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Entomopathogenic
Fungal Cultures

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USDA-ARS Biological Integrated Pest Management Research
Robert W. Holley Center for Agriculture and Health
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IMPORTANT NOTE

Major new classifications for fungal pathogens of invertebrates and new nomenclatural rules

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UPDATED March 2012

Some seemingly dramatic and comparatively recent changes in the classification of a number of fungi may continue to cause confusion or a degree of discomfort to many of the clients of the cultures and informational resources provided by the ARSEF culture collection. This short treatment is an attempt to summarize some of these changes, the reasons for them, and to provide the essential references to the literature in which the changes are proposed.

As the Curator of the ARSEF collection I wish to assure you that these changes are appropriate, progressive, and necessary to modernize and to stabilize the systematics of the fungal pathogens affecting insects and other invertebrates, and I urge you to adopt them into your own thinking, teaching, and publications.

The identifications in the ARSEF catalogs (*http://www.ars.usda.gov/Main/docs.htm?docid=12125*) incorporate these new classifications as soon as we can confirm the correct new identifications of fungi and, where genera or species are being split on molecular grounds, to determine and to apply the correct new identifications.

General Reclassification of Fungi

The results of a global cooperative effort involving dozens of mycologists (including the curator of this collection) to reclassify the fungi according to phylogenetically sound principles based on the DNA sequence data for multiple genes has recently resulted in the publication of two monumentally important publications that completely rework mycological systematics. The earlier publications was a phylogenetic overview of virtually all fungi (James *et al.* 2006). The second publication (Hibbett *et al.* 2007) provided the necessary taxonomic readjustments that were indicated by the phylogenetic studies.

Microsporidia

Many mycologists and invertebrate pathologists are now aware that the Microsporidia have been proven beyond any reasonable doubt to be comparatively recent and highly derived endobiotic fungi. They are neither extremely ancient eukaryotes nor affiliated with protozoans as most textbooks indicate. None of this realignment to the fungi is being disputed by either microsporidiologists or phylogenetic mycologists. The rationale for this realignment is presented succinctly in James *et al.* (2006). These fascinating organisms connect to the fungal tree of life at the base of the nonflagellate fungi (among or near the fungi traditionally treated as the Zygomycota) but their exact affinities and nearest remain uncertain.

Zygomycota, Zygomycotina, Zygomycetes and Entomophthorales

The phylogenetic relassification of fungi (Hibbett *et al.*, 2007) significantly modified the traditional view of the most ancestral nonflagellate fungi. The phylum Zygomycota, subphylum Zygomycotina, and class Zygomycetes disappeared in their widely understood sense to be replaced by the phylum Glomeromycota (for arbuscular mycorrhizal fungi) and a series of new subphyla not yet assigned to any phylum (because of the obviously polyphyletic nature of the zygomycetes as traditionally treated). The Entomophthorales is reclassified in the subphylum Entomophthoromycotina Humber (in Hibbett *et al*. 2007); the other new subphyla in this group are the Mucoromycotina (which was incorrectly given in previous catalogs as 'Mucormycotina'), Zoopagomycotina and Kicxellomycotina. Where there had been some question about whether *Basidiobolus* and its close relatives should

be retained in the Entomophthorales or moved to a position closer to some of the blastocladialean watermolds, James *et al.* (2006) unequivocally retain *Basidiobolus* in an ancestral position in the Entomophthorales, and all of these fungi have now been shown to represent a monophyletic group that is distinct from all other zygomycetous fungi. Humber (2012) described a new phylum, Entomophthoromycota, for these fungi, recognized three classes in this phylum: Basidiobolomycetes (for Basidiobolales and Basidiobolaceae), Neozygitomycetes (for the new order Neozygitales and previously described family Neozygitaceae), and Entomophthoromycetes (Entomophthorales, now restricted to Ancylistaceae, Completoriaceae, Entomophthoraceae, and Meristacraceae). The genera *Ballocephala* and *Zygnemomyces* were removed from Entomophthorales to the Kickxellomycotina because these fungi have plugged, bifurcate septa characteristic of that subphylum.

Entomopathogenic Ascomycetes and Associated Anamorphic (Conidial) States

Among all of the major taxonomic changes within the fungi that affect entomopathogenic fungi, the most dramatic and far-reaching involve the ascomycetes and their conidial (anamorphic) states classified among the pyrenomycetous fungi of the order Hypocreales. In one of the first major changes to be noted, those ascomycetous entomopathogens whose asci are produced in perithecia (nearly closed spherical to flask-like fruiting bodies) are now put in the class Sordariomycetes, a name based on a valid generic name, rather than in the historically familiar class Pyrenomycetes, a name based on the morphology of the fruiting body. The great majority of these fungi have long been recognized to belong in the family Clavicipitaceae (mostly in the genera *Cordyceps*, *Torrubiella* or *Hypocrella*). A major phylogenetic reclassification of the Clavicipitaceae (Sung *et al.* 2007; available free of charge at *http://www.studiesinmycology.org*) has split this family into three (Table 1), a long overdue major reworking of the taxonomy of *Cordyceps* and, subsequently, a reshuffling of anamorphic states among these families. This publication by Sung *et al.* (2007) is very long and complex since it includes a highly detailed phylogenetic analysis of these fungi as well as presenting the new taxonomy, descriptions of new families, genera, and species, and a very large number of new combinations (mostly segregating *Cordyceps* into their newly described segregate genera), and listing of the known or suspected anamorphic states associated with these taxa.

Note that Table 1 shows *Torrubiella* to be split between two families. This is an untenable position in a phylogenetically based classification that requires all taxa to represent monophyletic lineages. Future phylogenetic studies that will result in the reclassification of *Torrubiella* are obviously required. Also note that some anamorphic states with morphologies referable to *Hirsutella*, *Paecilomyces* and *Verticillium* (the latter

Table 1. Summary of some major teleomorphic (sexual) and anamorphic (conidial) genera of Hypocreales pathogenic to invertebrates (Sung *et al.* 2007).

	FAMILY		
	Clavicipitaceae	**Cordycipitaceae**	**Ophiocordycipitaceae**
Teleomorphs:	*Hypocrella, Metacordyceps, Regiocrella, Torrubiella*	*Cordyceps s.str., Torrubiella*	*Ophiocordyceps, Elaphocordyceps*
Anamorphs:	*Aschersonia, Metarhizium, Nomuraea, Paecilomyces*-like[1], *Pochonia, Rotiferophthora, Verticillium*-like[2]	*Beauveria, Engyodontium, Isaria, Lecanicillium, Mariannaea*-like, *Microhilum, Simplicillium*	*Haptocillium, Harposporium, Hirsutella, Hymenostilbe, Paraisaria, Purpureocillium Sorosporella, Synglioclad*ium, *Tolypocladium, Verticillium*-like[2]

[1] Species formerly in *Paecilomyces* sect. *Isarioidea*, now excluded from *Paecilomyces* in the strict sense but also from *Isaria* (which now includes most entomogenous species transferred from *Paecilomyces*).
[2] Species formerly in *Verticillium* sect. *Prostrata*, now excluded from *Verticillium* in the strict sense but not yet reclassified in the segregate genera recognized by Zare and Gams (see below).

Table 2. Publications eliminating and reclassifying *Verticillium* section *Prostrata*

PART	AUTHORS	SUBJECT COVERED
1	Zare, Gams & Culham (2000)	ITS sequence analyses
2	Sung, Spatafora *et al.* (2001)	SSU, LSU rDNA sequence analyses
3	Gams, Zare (2001)	Generic reclassification
4	Zare, Gams (2001)	*Lecanicillium* and *Simplicillium* monograph
5	Zare, Gams, Evans (2001)	*Pochonia*, *Rotiferophthora* monograph
6	Zare, Gams (2001)	*Haptocillium* monograph

Table 3. Current phylogenetically based classification within Hypocreales of some species formerly classified in *Paecilomyces* sect. *Isarioidea* (following Luangsa-ard *et al.* 2005; Sung *et al.* 2007; Luangsa-ard et al. 2011)

FAMILY	GENUS	INCLUDED SPECIES
Clavicipitaceae	*'Paecilomyces'* [1]	*carneus, marquandii*
Cordycipitaceae	*Isaria*	*amoenorosea, cateniannulata, cateniobliqua, cicadae, coleopterora, farinosa, fumosorosea, ghanensis, tenuipes*
Ophiocordycipitaceae	*Purpureocillium*	*lilacinum (syn.: Paec. lilacinus)*

[1] No generic re-assignments have been made for these hypocrealean anamorphs that continue (for lack of better alternatives) to be treated provisionally as *Paecilomyces* species. The generic affinities of other excluded '*Paecilomyces*' species noted by Luangsa-ard *et al.* (2005) remain uncertain.

two genera in their old senses from before recent phylogenetic reclassifications discussed below may occur in more than one family; this underscores the need to regard anamorphic states as being named in form-genera defined only by their morphologies and similar modes of development rather than by phylogenetic relatedness.

Phylogenetically based reclassification of *Verticillium* section *Prostrata* – The extensive, phylogenetically based reclassifications of conidial fungi that common pathogens of insects or other invertebrates began with the reclassification of *Verticillium* species. The venerable classification of this genus (Gams 1971) recognized the sections *Verticillium* and *Prostrata*. All species in *Verticillium* sect. *Verticillium*, which included the phytopathogens with well differentiated, erect conidiophores, are anamorphs of perithecial ascomycetes in the order Phyllachorales. The species in *Vert*. sect. *Prostrata*, however, were anamorphs attributable to the order Hypocreales (Sordariomycetes). Because the current systematics practices recognize monophyletic taxa, it was necessary to remove the species from *Verticillium* section *Prostrata* to other genera. This reclassification was done in six publications (Table 2) reflecting primarily the doctoral research of Rasoul Zare under the guidance of Walter Gams. Most entomopathogens from this group are now placed in *Lecanicillium*, a genus whose type species, *L. lecanii*, was also recognized to be a species complex recognized to include at least three species (*L. lecanii*, *L. muscarium*, and *L. longisporum*) and thus replacing the morphologically highly variable *Verticillium lecanii*.

Phylogenetically based reclassification of *Paecilomyces* section *Isarioidea* – The long-used taxonomy of *Paecilomyces* by Samson (1974) divided this genus into two sections, and with all entomopathogens treated in *Paecilomyces* sect. *Isarioidea*. The type species, *P. variotii* Bainier, and all species in *Paecilomyces* sect. *Paecilomyces* are anamorphic (conidial) states of cleistothecial ascomycetes in the Eurotiomycetes. In an exact parallel with the situation for the two sections of *Verticillium*, all species in *Paec.* sect. *Isarioidea* are anamorphic states of pyrenomycete ascomycetes in the order Hypocreales, mostly in the family Clavicipitaceae although the reclassification of that family by Sung *et al*. (2007) now disperses these former *Paecilomyces* species among three families (Table 3). The taxonomic revision of *Paecilomyces* section *Prostrata* began with the lectotypification and determination of the status of *Isaria* (Hodge *et al.* 2005), a genus long ago relegated to synonymy with *Paecilomyces*, and the formal conservation of the generic name *Isaria* (Gams *et al*. 2005). The next step was a phylogenetic study that confirmed the polyphyletic nature of *Paecilomyces* in the broad sense (Luangsa-ard *et al.* 2004), followed then by a formal reclassification (with new combinations) of most species from *Paec*. sect. *Isarioidea* into *Isaria* while several other

species from this section were excluded from both *Paecilomyces* and *Isaria* and still await transfers into appropriate anamorphic genera (Table 3). Most recently, *Paec. lilacinus* was transferred to a new (as yet monotypic) genus in Ophiocordycipitaceae as *Purpureocillium lilacinum* (Luangsa-ard *et al.* 2011).

EXTREMELY IMPORTANT NEWS ABOUT CHANGES IN FUNGAL NOMENCLATURAL RULES

Dual nomenclature for anamorphic and teleomorphic generic names has been eliminated – The long-used established and accepted use of a dual nomenclatural system under the International Code of Botanical Nomenclature was replaced during the 2012 International Botanical Congress in Melbourne, Australia, and replaced with a new standard generally referred to as *One Fungus = One Name* (or by the shorter *1F=1N*) (Hawksworth 2011, Hawksworth et al. 2011, Norvell 2011, Taylor 2011) under which a still undefined, unstaffed system of committees of mycologists will have to consider all linked conidial (anamorphic) and sexual (teleomorphic) genera of pleomorphic fungi and choose one generic name–generally expected to be the oldest published applicable name–will be accepted (prioritized?) while the use of all other linked generic names will be suppressed, and the species in the suppressed genera will need to be transferred to the accepted (prioritized) genus. Since no committees have yet been established nor any decisions rendered, no official information can be given here to suggestion exactly how entomopathogenic fungi (especially those in Hypocreales) will be affected, but it is that the following will represent a few of the ***probable*** resulting decisions for some of these fungi in the following families. The probable **ACCEPTED** generic names are given followed by the linked **genera to be suppressed and synonymized** in parentheses :

Clavicipitaceae:	***METARHIZIUM*** (*Metacordyceps*, *Nomuraea*, *Pochonia*, *Rotiferophthora*, etc.)
Cordycipitaceae:	***CORDYCEPS*** (*Beauveria*, *Isaria*, *Lecanicillium*, *Microhilum*, *Simplicillium*, etc.)
Ophiocordycipitaceae:	***OPHIOCORDYCEPS*** (*Hirsutella*, *Hymenostilbe*, *Paraisaria*, *Purpureocillium*, *Sorosporella*, *Syngliocladium*)

Because *Ophiocordyceps* is a much newer genus than some of its linked anamorphic (conidial) genera, it may not eventually be the case that this teleomorphic genus will be accepted as prioritized over its anamorphs; none of those anamorphic genera may be regarded as sufficiently important (except, possibly, *Hirsutella*) to be accepted in place of *Ophiocordyceps*. The problem with *Hirsutella*, however, is that this genus is very plastic and comparatively poorly understood despite its many described species, and its species are anamorphic states for fungi in all three of the families listed above.

Some of the problems of the loss of Article 59 of the ICBN (now renamed the International Code of Nomenclature for algae, fungi and plants) and of dual nomenclature are discussed by Gams et al. (2012). No official changes in this highly disruptive new standard for fungal nomenclature are possible until the 2017 Botanical Congress at the earliest, and it will probably be unrealistic to expect any significant change of the newly adopted rules (and even much less likely that the situation will be reversed to reflect procedures before the 2012 changes).

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ARS Collection of Entomopathogenic Fungal Cultures

History and Purpose of the ARSEF Collection

The goal of the ARS Collection of Entomopathogenic Fungal Cultures (ARSEF) is to provide fundamental support for basic and applied research on the fungal pathogens of invertebrates. Since its establishment in the early 1970s, this collection has served as a general research resource for the isolation, collection, preservation, and distribution of fungal strains from insects, other arthropods, and nematodes. Emphasis has always been placed on acquiring and distributing strains under active study for use as potential biological control agents. Basic research associated with the collection includes fungal systematics, fungal cytology, pathobiology, and methodology for fungal cryopreservation. The culture collection and its associated collection of microscope slides and herbarium specimens provide invaluable support for taxonomic research on and the diagnoses of fungal pathogens of invertebrates. Identification services for specimens and cultures have always been available free of charge to any laboratories requesting them.

We strive to provide users with pure and accurately identified fungal cultures., and the taxonomies applied to the fungi in this collection are continuously updated to reflect their current accepted classifications. The curator of the collection welcomes all correspondence about nomenclatural or taxonomic changes or possible misidentifications involving any ARSEF strains.

The ARSEF collection began as Richard Soper's research collection in the USDA-ARS laboratory at the University of Maine (Orono; UMO) where its cultures were at initially designated by a UMO or RS prefix before adopting ARSEF in 1985. In 1978, the ARS Insect Pathology Research Unit relocated to Ithaca, NY, to work with the Boyce Thompson Institute (BTI) on the Cornell University campus. The Insect Pathology Research Unit became the Plant Protection Research Unit (PPRU) in 1985, and was renamed in 2008 as the Biological Integrated Pest Management Research Unit (BioIPM). The ARSEF collection moved from BTI in 1990 into the US Plant, Soil & Nutrition Laboratory which was rededicated in 2008 as the Robert W. Holley Center for Agriculture & Health to commemorate Dr. Holley's work there to complete the first sequencing of any nucleic acid; he received the 1968 Nobel Prize for Medicine or Physiology for this work.

BioIPM operates the ARSEF culture collection for the USDA Agricultural Research Service; the collection is not now and has never been owned or controlled by the Boyce Thompson Institute. ARSEF is one of the largest germplasm collections in the ARS, and is widely recognized for its active support of research on fungal pathogens of invertebrates. ARSEF and its associated herbarium are registered under the ARSEF acronym sinced 1985 with the World Federation of Culture Collections' World Data Center on Microorganisms and the International Association of Plant Taxonomists' *Index Herbariorum*, respectively.

From 1977 through 2008, all strains in the collection were preserved by immersion in liquid nitrogen. A program to lyophilize those isolates that could tolerate such was begun in the 1990's, and has expanded in scope and pace. At the end of 2008 the vast majority of the colletion was consolidated in a single large nitrogen dewar in a new facility adjacent to the current building. Requests for cultures are filled with either actively growing cultures on appropriate media or, if available, as freeze-dried units.

Identifying and Acknowledging ARSEF Strains in Publications

We request that all publications using or referring to strains obtained from ARSEF acknowledge the U.S. Department of Agriculture, ARS Plant Protection Research Unit and state the ARSEF accession numbers of these strains. We would very greatly appreciate receiving reprints of all past, current, and future publications or even periodic notification about research in progress involving the use of ARSEF strains.

Accession numbers of strains from commercial culture collections such as the American Type Culture Collection (ATCC), Centraalbureau voor Schimmelcultures (CBS), CAB International Mycological Institute (IMI), and other registered general service collections are listed in this catalog to provide complete information about specific isolates. ***Representation of cultures obtained from ARSEF as being from ATCC, CBS, IMI or UAMH or other general service culture collections violates trademark laws, and persons doing so are subject to prosecution.*** Cultures received from ARSEF should be referred to by their ARSEF numbers only even if they are co-deposited in other other culture collections.

Depositing and Exchanging Cultures

BioIPM and ARSEF encourage deposition of entomopathogenic fungal cultures in the ARSEF collection–particularly strains used in published studies–and of voucher and reference specimens to its herbarium. Depositors may reserve the right to limit redistribution of any culture deposited with ARSEF for specified times upon consultation with the curator. Depositors can receive subcultures of their own depositions at any time; these cultures do not affect any allowances of free cultures. Exchanges of cultures between ARSEF and other research or general collections of fungal cultures are encouraged and are not subject to numerical limits.

Prior to shipping cultures from countries outside the United States contact the Curator to obtain the appropriate needed importation permit from the U.S. Department of Agriculture, Animal and Plant Health Inspection Services, Plant Protection and Quarantine.

When sending cultures and/or specimens to ARSEF, it is very important to include as much of the following information as possible:

1. Scientific name (and taxonomic authority) of the fungus.
2. Common and scientific name (with taxonomic authority) of the host.
3. Order and family of the host. (***This information is especially important!***)
4. Date and site of collection.
5. Name of collector.
6. Date and name of isolator.
7. Any collection, accession, or other identifer number(s) applied by the collector or sender.
8. Medium on which a culture is sent.
9. Any special requirements or conditions for growth (such as medium, temperature, pH).

Diagnostic Services for Cultures and Specimens

Specimens and cultures of unidentified fungi from invertebrates can be submitted to ARSEF for diagnosis. This service is an important function of the ARS Collections of Entomopathogenic Fungi and is provided without charge. Identifications and information about the disposition of specimens will be mailed to the sender.

Release of ARSEF Cultures from Containment or Quarantine

Neither the curator nor any employee of ARSEF or of the Plant Protection Research Unit is entitled to authorize the release of any culture it provides from laboratory containment or quarantine in the United States or elsewhere. Recipients of ARSEF cultures are responsible for obtaining appropriate and necessary permissions from or for providing official notifications to State and Federal regulatory agencies.

Ordering Information

Please send all requests for isolates directly to the Curator (Richard A. Humber):

ARS Collection of Entomopathogenic Fungal Cultures
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Tower Rd.
Ithaca, NY 14853–2901

OR

Telephone: [+1] 607 255-1276
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Email: richard.humber@ars.usda.gov

Academic, Government, and Other Nonprofit Institutions

1–12 isolates [up to 24 per calendar year]	**no charge**
13 or more isolates per order [25 or more per calendar year]	**US$60 per isolate**

Users from nonprofit institutions can receive up to five isolates without charge in any 6 month period, and up to seven cultures in any calendar year. Requests in excess of these limits may be charged at the rate of US$60 per additional isolate requested. Requests from commercially sponsored research programs undertaken by nonprofit institutions are charged at the commercial rate and are not subject to numerical limits. Prices are subject to change without notice.

Commercial and Industrial Institutions ***US$85 per isolate***

Nonprofit institutions working on commercially sponsored contractual projects (such as screening programs) are charged at the rate of US$85 per strain requested. There are no limits on the numbers of cultures that can be requested or shipped. Prices are subject to change without notice.

Commercial or industrial firms supporting research at the ARS Plant Protection Research Unit are entitled to free access to cultures pertinent to contracted projects; all other requests are charged at the current rate.

Terms of Shipment

If necessary, billings for isolates are issued through the Boyce Thompson Institute (BTI). *Checks or money orders for strains must be payable to the* **Boyce Thompson Institute** and sent directly to the curator of the ARS Collections of Entomopathogenic Fungi, to BTI or deposited by direct electronic funds transfer according to information provided by BTI. Consult the curator of the collections with questions about fees due for any particular shipment.

All recipients of cultures are strongly encouraged to provide express shipper account numbers to allow shipping costs to be billed directly to recipients, thus assuring significant cost-savings to the ARSEF collection.

We request confirmation of receipt and viability of cultures shipped. Inviable strains will be replaced.

ARSEF reserves the right to refuse to ship isolates

- to recipients who cannot handle them using standard microbiological practices,
- to laboratories that cannot assure laboratory containment of isolates except after obtaining permissions from applicable State and Federal regulatory agencies, or
- if use of routine mailing or shipping procedures cannot assure the receipt of viable cultures.

Neither ARSEF, BioIPM, nor the Boyce Thompson Institute is liable for damages arising from the misidentification of strains.

Interpretation of Strain Accession Data

The following examples provide a guide to the arrangement and interpretation of collection data included in this catalog.

***Beauveria bassiana* (Balsamo) Vuillemin**

1564 [CBS 111238]. KV Desëo (103) Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emiglia), Emilia-Romagna. Identification verified genomically. Ex-type isolate.

1564	ARSEF accession number.
[CBS 111238]	Alternative deposition in another culture collection.
KV Desëo (03)	Depositor and depositor's reference or accession number.
Cortellini	Collector of this isolate.
Hyphantria cunea [Lepidoptera: Arctiidae]	Original host [host's order and family]
Mar 1984	Date of accession or receipt by ARSEF.
Italy: Villa Cadé (Reggio Emiglia), Emilia-Romagna	Country of origin followed by the locality and state.
Identification verified genomically. Ex-type isolate	Additional essential information about this isolate.

***Conidiobolus thromboides* Drechsler**

73 [CSIRO EM534; FPMI 28] RG Kenneth (3040) ← ATCC (24419) ← DM MacLeod ← G Thoizon. *Rhopalosiphum insertum* [Homoptera: Aphididae]. Rec'd 18 Jan 1976. France: Val-de-Marne, La Varenne.

73	ARSEF accession number.
[CSIRO EM534; FPMI 28]	Alternative depositions of this strain in other culture collections.
RG Kenneth (3040)	Depositor and depositor's reference or accession number.
← ATCC (24419 ← DM MacLeod ← G Thoizon	Culture provenance: RG Kenneth obtained the culture from ATCC, which received it from DM MacLeod, who received it from G Thoizon.
Rhopalosiphum insertum [Acari: Eriophyidae]	Original host [host's order and family]
Rec'd Jan 18 1976	Date of receipt by ARSEF.
France: Val-de-Marne, La Varenne	Country of origin followed by the locality and region.

***Hirsutella thompsonii* Fisher**

137 [ATCC 24874; CBS 952.73] CW McCoy (Fla. 68). *Phyllocoptruta oleivora* [Acari: Eriophyidae]. 1 Jan 1970. USA: Orlando, Florida.

137	ARSEF accession number.
[ATCC 24874; CBS 952.73]	Alternative depositions of this strain in other culture collections.
CW McCoy (Fla. 68)	Depositor and depositor's reference or accession number.
Phyllocoptruta oleivora [Homoptera: Aphididae]	Original host together with the host's order and family.
Jan 1 1970	Date of accession or receipt by ARSEF. Note: January 1 is a default date if an exact date in a year is unknown; the first day of the month is the default if no specific day in a month is known.
USA: Orlando, Florida	Country of origin followed by the locality and state.

Abbreviations

Information about the world's officially registered culture collections, their registered acronyms (e.g., ARSEF), and more is available from the CCINFO database and from other resources available at the website of the World Data Center for Microbiology <***http://wdcm.nig.ac.jp/WDCHomePage_text.html***>

ARSEF	ARS Collection of Entomopathogenic Fungi, USDA-ARS BioIPM Research Unit, Robert W. Holley Center for Agriculture & Health, 538 Tower Rd., Ithaca, New York, 14853-2901, USA
ATCC	American Type Culture Collection, PO Box 1549, Manassas, Virginia 20108, USA
CATIE	Centro Agronómico Tropical de Investigación y Enseñanza, Proyecto UIP, Apdo. Postal 7170, Turrialba, Costa Rica.
CBS	Centraalbureau voor Schimmelcultures, Uppsalalaan 8, 3584 CT Utrecht, The Netherlands
CCF	Culture Collection of Fungi, Department of Botany, Charles University, Prague, Czech Republic
CCFC	Canadian Collection of Fungus Cultures, Centre for Land and Biological Resources Research, Room 1015, K.W. Neatby Bldg., Ottawa, Ontario K1A 0C6, Canada
CDC	Centers for Disease Control and Prevention, Atlanta, Georgia 30333, USA
CENARGEN	Centro Nacional de Pesquisa de Recursos Geéticos e Biotechnologia, S.A.I.N. Parque Rural, C.P. 102372, 70770 Brasília, D.F., Brazil
CIRI	Corn Insects Research Unit, USDA-ARS, R.R. Box 45B, Ankeny, Iowa 50021, USA
CNPAF	National Center for Agricultural Research on Rice and Beans, EMBRAPA, Goiânia, Goiás, Brazil
CNPS	National Center for Agricultural Research on Soybeans, EMBRAPA, Londrina, Paraná, Brazil
CP	Strains isolated during joint US-Brazil program funded by US-AID to study fungal biocontrol of the insect pests of cowpeas
DAOM	National Mycological Herbarium, Centre for Land and Biological Resources Research, Agriculture Canada, Central Experimental Farm, Ottawa, Ontario, K1A 0C6, Canada
DAR	New South Wales Department of Agriculture, Rydalmere, NSW, Australia
EFCC	Korean Entomopathogenic Fungal Collection (JM Sung, Curator), Dept. of Agricultural Biology, Kangwon National University, Chuncheon, Rep. of Korea
FI	CSIRO Entomology Division, Collection of Entomopathogenic Fungi, Black Mountain Laboratories, Canberra, ACT, Australia. This collection, formerly curated by R. Milner, is now orphaned and is being transferred to ARSEF.
FPMI	Great Lakes Forestry Center (formerly Forest Pest Management Institute), 1219 Queen Street East, Sault Ste. Marie, Ontario P6A 5M7, Canada. This collection, formerly led by D MacLeod and D Tyrrell is orphaned and endangered. Its surviving isolates *may* be

	transferred to DAOM.
GCRI	Horticulture Research International (formerly, Glasshouse Crops Research Institute), Worthing Road, Littlehampton, W. Sussex BN17 6LP, England, UK
HACC	Hindustan Antibiotics Ltd., Pimpri, Poona, India
IMI	(Now incorporated in United Kingdom National Culture Collection [UKNCC]) CABI Bioscience, Bakeham Lane, Egham, Surrey TW20 9TY, UK
INRA	Station de Recherches de lutte Biologique et Biocoenotique, INRA (Institut National de la Recherche Agronomique), La Minière – 78280 Guyancourt, France
IPLB	Unité de Lutte Biologique, Institut Pasteur, 28 Rue de Dr. Roux, 75724 Paris, France
IRRI	International Rice Research Institute, P.O. Box 933, Manila, Philippines
KEFC	(see EFCC)
KSU	Kansas State University, Department of Entomology, Manhattan, Kansas 66506, USA
MAF	Ministry of Agriculture and Fisheries, Canterbury Agriculture and Science Centre, Ellesmere Junction Road, P.O. Box 24, Lincoln, New Zealand
MU	Miami University, Willard Sherman Turrell Herbarium, Department of Botany, 79 Upham Hall, Oxford, Ohio 45056, USA
NCTC	National Collection of Type Cultures, Public Health Laboratory Service, 61 Colindale Ave., London NW9 5HT, England, UK
NRRL	ARS Culture Collection, USDA-ARS National Center for Agricultural Utilization Research, 1815 N. University, Peoria, Illinois 61604, USA
PSU	*Fusarium* Research Center, The Pennsylvania State University, 216 Buckhout Laboratory, University Park, Pennsylvania 16802, USA
QEC	Queen Elizabeth College, University of London, Department of Biology, Campden Hill Road, London W8 7AH, England, UK
QM	U.S. Army Natick Laboratories (formerly, Quartermaster Research and Development Center), Natick Massachusetts. Note: This collection has been transferred to NRRL.
RSA	Rancho Santa Ana Botanic Garden, 1500 North College Ave., Claremont, California 91711, USA
SBI	Sugarcane Breeding Institute, Indian Council of Agricultural Research, Coimbatore – 641 007, Tamil Nadu, India
UAF	University of Arkansas, Edpartment of Entomology, 321 Agriculture Building, Fayetteville, Arkansas 72701, USA
UAMH	University of Alberta Microfungus Collection, Devonian Botanic Garden, University of Alberta, Alberta T6G 2H7, Canada

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Unidentified / Hyphomycetes

2177 MC Rombach (130586-18). *Recilia dorsalis* [Homoptera: Cicadellidae] on rice. 13 May 1986. Philippines: nr. Baybay, Leyte.

2225 [ARSEF 2210] MC Rombach (140486-1) ← H Beddu Rewa. [Coleoptera: Curculionidae] on palm tree. 22 Mar 1986. Indonesia: Baritiwurung (Butterfly Valley), nr. Ujungpandang, Sulawesi Selatan, Celebes.

2999 SV Krueger (MF-Ec). *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Feb 1990. USA: Geneva, New York. [Hemiascomyete].

3142 AT Gillespie ← J Aagesen. *Thrips tabaci* [Thysanoptera: Thripidae] on cucumber. Rec'd 27 Nov 1990. Denmark: Copenhagen, Tåstrup, Zealand.

3820 ERD Reyes (BbCH). Adult, *Aeveolus mexicanus* sorghum. 10 Sep 1992. Mexico: Guanajuato State. our number dom24.

4233 [DAT 118] AC Rath (F118). Soil. 11 Jan 1988. Australia: Rosarden, Avoca, Tasmania. Beauveria or Microhilum as contaminant.

4689 J McManus (Dn26.Cont.3p). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL, Ithaca, New York. Laboratory contaminant found during routine screening assays. Suspected established contaminant which has accounted for large numbers of deaths in an established colony of RWA in quarantine facility.

4690 J McManus (Dn29.Cont.3p). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Jul 1994. USA: USDA , Ithaca, New York. Laboratory contaminant found during routine screening assays. Suspected established contaminant which has accounted for large numbers of deaths in an established colony of RWA in quarantine facility.

4899 LA Lacey (95001). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 Jan 1995. France: Haguenau, Alsace.

4900 LA Lacey (95002). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 Jan 1995. France: Haguenau, Alsace.

4921 LA Lacey (95023). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

4922 LA Lacey (95024). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

4923 LA Lacey (95025). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

4924 LA Lacey (95026). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

4931 LA Lacey (95033). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

4932 LA Lacey (95034). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

5199 SR Booth (Cox). *Galleria mellonella* [Lepidoptera: Pyralidae]. Rec'd 28 May 1996. USA: Cranberry bog, Bandon, Oregon.

5223 LA Lacey (96001). *Popillia japonica* [Coleoptera: Scarabaeidae]. 13 May 1996. Japan: Golf course, Sapporo, Hokkaido.

5224 LA Lacey (96002). *Popillia japonica* [Coleoptera: Scarabaeidae]. 10 May 1996. Japan: Golf course, Sapporo, Hokkaido.

5225 LA Lacey (96003). *Popillia japonica* [Coleoptera: Scarabaeidae]. 10 May 1996. Japan: Golf course, Sapporo, Hokkaido.

5226 LA Lacey (96004). *Popillia japonica* [Coleoptera: Scarabaeidae]. 16 May 1996. Japan: Golf course, Sapporo, Hokkaido.

5227 LA Lacey (96005). *Popillia japonica* [Coleoptera: Scarabaeidae]. 16 May 1996. Japan: Golf course, Sapporo, Hokkaido.

5237 P Timper (903a). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1989. USA: Pine Tree, Arkansas. Anamorph of unidentified ascomycete ARF18.

5238 P Timper (903b). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1989. USA: Pine Tree, Arkansas. Anamorph of unidentified ascomycete ARF18.

5239 P Timper (BG2). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1987. USA: Fayetteville, Arkansas. Anamorph of unidentified ascomycete ARF18.

5240 P Timper (907). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1989. USA: Russellville, Arkansas. Anamorph of unidentified ascomycete ARF18.

5241 P Timper (908). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. 1989. USA: Russellville, Arkansas. Anamorph of unidentified ascomycete ARF18.

5242 P Timper (TN-12). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Ripley, Tennessee. Anamorph of unidentified ascomycete ARF18.

5243 P Timper (TN-14). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Lauderdale, Tennessee. Anamorph of unidentified ascomycete ARF18.

5244 P Timper (KY-1). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: McCraken, Kentucky. Anamorph of unidentified ascomycete ARF18.

5245 P Timper (MS-1). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Desoto, Mississippi. Anamorph of unidentified ascomycete ARF18.

5246 P Timper (MS-3). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Desoto, Mississippi. Anamorph of unidentified ascomycete ARF18.

5247 P Timper (MS-5). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Tate, Mississippi. Anamorph of unidentified ascomycete ARF18.

5248 P Timper (MS-8). Egg mass, *Heterodera glycines* [Tylenchida: Heteroderidae]. Mar 1994. USA: Grenada, Mississippi. Anamorph of unidentified ascomycete ARF18.

5677 BL Parker (SPT-014). [Coleoptera: Coccinellidae]. 18 Jan 1998. Turkey: Hurbit Mountain, Hatay.

5695 JM Sung (KEFC-1087). [Coleoptera: Curculionidae]. 9 Jul 1997. Republic of Korea: Yongmoon Mt., Gyeonggi Province.

5698 JM Sung (KEFC-1109). *Acanthosoma labiduroides* [Hemiptera: Pentatomidae]. 28 Jun 1997. Republic of Korea: Mt. Gyaeryong, Chungnam Province.

6503 S Gouli and V Gouli (GA-330). [Homoptera: Aphididae] on *Solidago gigantea* Ait., Late Goldenrod. 17 Aug 1998. USA: Burlington, Vermont.

6504 S Gouli and V Gouli (GA-347). Adult, *Lygus lineolaris* [Hemiptera: Miridae] on *Brassica oleracea* L., broccoli. Oct 1999. USA: Starksboro, Vermont.

7066 Acc'd 4 Aug 2004.

7067 TG Andreadis. *Fiorinia externa* [Homoptera: Diaspididae]. Rec'd 18 Oct 2002.

7074 KT Hodge (PR14). Twigs or petioles of unknown plant5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.

7076 KT Hodge (PR22). [Homoptera: spf. Coccoidea] on leaf of *Schefflera morototoni*. 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Bisley Trail, Río Grande Municipio, Puerto Rico.

7078 KT Hodge (PR31). [Diptera] on frond of *Prestoea montana*. 6 Jul 2002. USA: El Yunque, Caribbean National Forest, Tradewinds Trail, Río Grande Municipio, Puerto Rico.

7081 KT Hodge (PR34). [Homoptera: spf. Coccoidea] on living fern pinnae. 6 Jul 2002. USA: El Yunque, Caribbean National Forest, Tradewinds Trail, Río Grande Municipio, Puerto Rico.

7086 KT Hodge (PR58A). [Homoptera: spf. Coccoidea]. 8 Jul 2002. USA: Bosque Estatal de Susúa, Trail 5, Camino Mariano, Puerto Rico.

7345 M Liu. [Araneida] on *Citrus x paradisi* Macfad., grapefruit. . 11 Aug 2003. USA: Southwest Florida Research and Education Center, Immokalee, Florida.

7349 M Liu. 19 Aug 2003. USA: Lake Alfred, Florida.

7350 M Liu. 20 Aug 2003.

7374 LG Leite. [Acari] on leaves of *Coffea* sp., coffee. Rec'd 20 May 2004. Brazil: São Paulo.

7383 SB Alves. *Orthezia insignis* [Homoptera: Orthezidae]. Rec'd 28 Jul 2004. Brazil. **RESTRICTED ACCESS:** *contact Curator*.

7384 M Liu (ml173-2). 16 Dec 2003. USA: Guilarte, Route 518, beside school, Adjuntas, Puerto Rico. Cultured from *Tetracrium* sp.

7386 M Liu (ml180). [Homoptera: Coccoidea]. 16 Dec 2003. USA: Guilarte, Adjuntas, Puerto Rico.

7392 M Liu (ml166). [Homoptera] on fern. Dec 2003. USA: Route 105 between Mayaguez and Maricao, Puerto Rico.

7518 M Shimazu (F-1208). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature). Identification verified genomically.

7678 P Chaverri (MC 155). Rec'd 14 Sep 2004.

7679 P Chaverri (MC 166). Rec'd 14 Sep 2004.

7802 L Erickson and CA Fuller (#8 HH23P all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Hurricane Hole, Saint John, Virgin Islands.

7806 [SRCAMB B-56] V Likhovidov ← BA Borisov. [Homoptera] Isolated from stroma. 27 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-283.

8155 LS Bauer and H Liu (MF-246). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8179 LS Bauer and H Liu (MF-273). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8183 LS Bauer and H Liu (MF-281). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8184 LS Bauer and H Liu (MF-282). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 10 Aug 2006. USA: Lansing, Michigan.

8480 WC Luz (eco 109) or (T11). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8598 [CSIRO FI-0931] Rec'd 18 May 2007.

8640 [ARSEF 7985; CENARGEN CG 422] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 18 Sep 2007. Brazil: Dom Aquino, Mato Grosso. **RESTRICTED ACCESS:** *consult Curator*.

8641 [CENARGEN CG 639] [Coleoptera]. Rec'd 18 Sep 2007. Ghana. **RESTRICTED ACCESS:** *consult Curator*.

9364 [ERL 1659] S Gouli and V Gouli (HWA-G-15). *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

9366 [ERL 1666] S Gouli (HWA-G-25) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

9538 [SRCAMB VL-1632/1] V Likhovidov. *Parthenolecanium corni* [Homoptera: Coccidae]. 18 Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-474.

9539 [SRCAMB VL-1555/2] V Likhovidov. [Homoptera: Aleyrodidae]. 12 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-506.

9540 [SRCAMB VL-1715/3] V Likhovidov. Larva, [Lepidoptera]. 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-777.

10171 [ERL 1847] S Gouli and V Gouli (Thr.-10-55). [Diptera] fungus gnats. 2010. USA: Rupert, Vermont.

10191 [ERL 1869] S Gouli (Thr.-10-77) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Westfield, Vermont.

10281 [ERL 1922] S Gouli (Thr.-10-129) and V Gouli. [Acari]. 2010. USA: Underhill, Vermont.

10282 [ERL 1927] S Gouli (Thr.-10-133) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10283 [ERL 1928] S Gouli and V Gouli (Thr.-10-134). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10284 [ERL 1929] S Gouli (Thr.-10-135) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10285 [ERL 1930] S Gouli (Thr.-10-136) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10286 [ERL 1931] S Gouli and V Gouli (Thr.-10-137). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10292 [ERL 1937] S Gouli and V Gouli (Thr.-10-143). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.

10293 [ERL 1938] S Gouli (Thr.-10-144) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.

10307 [ERL 1952] S Gouli and V Gouli (Thr.-10-158). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.

10386 [ERL 1959] S Gouli (SB-10-6) and V Gouli. *Halyomorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.

10387 [ERL 1960] S Gouli and V Gouli (SB-10-7). *Halyomorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.

10392 [ERL 1965] S Gouli (SB-10-12) and V Gouli. *Halyomorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.

Unidentified / Zygomycetes

2022 IL Sivcev (55/85). *Aphis fabae* [Homoptera: Aphididae] on poppy. 1985. Yugoslavia: Micunovo, Voyvodina.

4970 J McManus (DnId95Co24p). *Diuraphis noxia* [Homoptera: Aphididae]. 12 Jun 1995. USA: Experimental plot; U. Idaho Research & Extension Center, Aberdeen, Idaho.

4971 J McManus (DnId95Co14p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Jun 1995. USA: Experimental plot; U. Idaho Research & Extension Center, Aberdeen, Idaho.

6119 BL Parker (GA 339). Adult, *Acyrthosiphon pisum* [Homoptera: Aphididae]. 16 Feb 1999. Syria: ICARDA.

6157 BL Parker (GA-267-10). [Homoptera: Aphididae] on *Asclepias syriaca* . 26 Sep 1997. USA: Burlington, Vermont.

6158 BL Parker (GA-279). [Homoptera: Aphididae] on *Asclepias syriaca*. 28 Sep 1997. USA: Burlington, Vermont.

6159 BL Parker (GA-305). [Homoptera: Aphididae] on bean. 16 Oct 1997. USA: Burlington, Vermont.

6160 BL Parker (GA-337). *Acyrthosiphon pisum* [Homoptera: Aphididae]. 16 Feb 1999. Syria: ICARDA.

6507 S Gouli and V Gouli (GA-356). [Homoptera: Aphididae] on *Lactuca sativa* L., lettuce. 12 Sep 1999. USA: Burlington, Vermont.

6508 S Gouli and V Gouli (GA-357). [Homoptera: Aphididae] on *Asclepias syriaca* L., Common Milkweed. 26 Sep 1999. USA: Burlington, Vermont.

6509 S Gouli and V Gouli (GA-358). [Homoptera: Aphididae] on *Pisum sativum* L., garden peas. 7 Aug 1999. USA: Burlington, Vermont.

6510 S Gouli and V Gouli (GA-359). [Homoptera: Aphididae] on *Capsicum annuum* L., pepper. 25 Sep 1999. USA: Burlington, Vermont.

6511 S Gouli and V Gouli (GA-360). [Homoptera: Aphididae] on *Brassica oleracea* L., cabbage. 25 Sep 1999. USA: Burlington, Vermont.

7943 B Huang (B4). Leaf litter. Nov 2005. USA: Cornell Plantations, Mundy Wildflower Garden, Ithaca, New York.

Unidentified Entomophthorales sp.

[Entomophthoromycotina: Entomophthorales]

7227 AE Hajek (03 NY 8-1-1). [Diptera: Tipulidae]. 13 Aug 2003. USA: Backyard, 205 Salem Drive, Ithaca, New York.

7228 AE Hajek (03 NY 8-1-2). [Diptera: Tipulidae]. 13 Aug 2003. USA: Backyard, 205 Salem Drive, Ithaca, New York.

7229 AE Hajek (03 NY 8-1-3). [Diptera: Tipulidae]. 13 Aug 2003. USA: Backyard, 205 Salem Drive, Ithaca, New York.

7230 AE Hajek (03 NY 8-1-4). [Diptera: Tipulidae]. 13 Aug 2003. USA: Backyard, 205 Salem Drive, Ithaca, New York.

Unidentified sp.

These fungi were accessioned without verified identifications. Many strains listed here will be reassigned to known taxa as quickly as the opportunity allows. Some strains are undescribed new species; some are sterile and may not be identifiable to a level lower than the class.

1013 J Aoki (Ent. 38) ← M Shimazu. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.

1051 J Aoki (Ent. 39) ← M Shimazu. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.

1356 [ARSEF 1420] S Balazy (1595c). Rec'd 19 May 1984. Poland.

1415 S Balazy (1550). Larva, *Hibernia defoliaria* [Lepidoptera: Geometridae] attached to the underside of leaves in forest undergrowth. 22 May 1983. Poland: Bialowieza National Park.

1417 S Balazy (1547b). Larva, *Hibernia defoliaria* [Lepidoptera: Geometridae] attached to the underside of leaves in forest undergrowth. 22 May 1983. Poland: Bialowieza National Park.

1419 S Balazy (1451′). [Araneida] under a leaf of *Tussilago farfara* in a deciduous forest. 2 Aug 1982. Poland: Wielkopolski National Park.

1420 [ARSEF 1356] S Balazy (1595c). Rec'd 19 May 1984. Poland.

1421 S Balazy (1552). Adult, *Cratichneumon lanius* [Hymenoptera: Ichneumonidae] attached to the underside of a leaf. 21 May 1983. Poland: Bialowieza National Park.

1423 S Balazy (1508m). Juveniles & adults, [Hemiptera] attached to underside of leaves of *Stachys silvaticus* in a leafy forest. 26 Jul 1982. Poland: Wielkopolski National Park.

1634 [ARSEF 1667 (deaccessioned)] TJ Poprawski (0120). Nymph, [Coleoptera]. 27 Jun 1984. France: Saint-Étienne du Bois, Loire.

1693 IL Sivcev (202). Alate, [Homoptera: Aphididae] on cabbage. 26 Jun 1984. Yugoslavia: PKB Commune, E. Belgrade.

1694 IL Sivcev (216). Alate, [Homoptera: Aphididae] on cabbage. 10 Jul 1984. Yugoslavia: PKB Commune, E. Belgrade.

1703 MC Rombach (E). *Cnaphalocrocis medinalis* [Lepidoptera: Pyralidae]. Acc'd 6 Nov 1984. Philippines: IRRI, Los Baños, Manila.

1922 M Shimazu (FE2). [Diptera]. Summer 1985. USA: Allegany State Park, Salamanca, New York.

2528 GC Carroll (VO25) ← R Radcliffe. Phylum Nemata, Class Secernentea baited with barnyard soil. Winter 1982. USA: Marcola, Oregon.

2563 JC Lord (Bartow C). *Anopheles* sp. [Diptera: Culicidae]. 8 Feb 1988. USA: abandoned phosphate pit, Bartow, Florida.

2640 DW Roberts ← SB Alves (587). *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 23 Nov 1988. Brazil: Cuiabá, Mato Grosso.

2746 GW Riethmacher (B10K). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 28 Feb 1989. Philippines: La Trinidad, Benguet.

2821 GW Riethmacher (E8). *Plutella xylostella* [Lepidoptera: Plutellidae]. 4 May 1989. Philippines: La Trinidad, Benguet.

3122 G Mercadier and TJ Poprawski (8854 (first form)). [Homoptera: Aphididae] on *Bromus* sp. 10 Aug 1988. France: Béhoust, Yvelines.

3123 K Ostrovska (53). *Lutzomyia* sp. [Diptera: Psychodidae]. Rec'd 3 Dec 1991. Costa Rica: La Montana.

3124 K Ostrovska (54). *Lutzomyia* sp. [Diptera: Psychodidae]. Rec'd 3 Dec 1991. Costa Rica: Nazareth, Guanacaste.

3125 G Mercadier and TJ Poprawski (9009). [Homoptera: Aphididae] on asparagus. 30 May 1990. France: Béhoust, Yvelines.

3128 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 12 Oct 1990. USA: greenhouse colony, Ithaca, New York.

3209 Yoder Bros. Inc. [Araneida] on azalea. Rec'd 27 Mar 1992. Location not specified.

3227 M Nadeau (213). Adult, [Diptera: Simuliidae]. 1 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3228 M Nadeau (336). Adult, [Diptera: Simuliidae]. 17 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3230 M Nadeau (371). Adult, [Diptera: Simuliidae]. 31 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3231 M Nadeau (362). Adult, [Diptera: Simuliidae]. 31 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3232 M Nadeau (327). Adult, [Diptera: Simuliidae]. 4 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3233 M Nadeau (373). Adult, [Diptera: Simuliidae]. 31 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3235 M Nadeau (329). Adult, [Diptera: Simuliidae]. 4 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3236 M Nadeau (454). Adult, [Diptera: Simuliidae]. 11 Sep 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3239 I Majchrowicz (2) ← GL Nordin. *Myzus nicotinae* [Homoptera: Aphididae]. Rec'd 20 Sep 1991. USA: Kentucky.

3242 M Nadeau (421). Adult, [Trichoptera]. 16 Aug 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3243 M Nadeau (386). Adult, [Trichoptera]. 31 Jul 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3245 M Nadeau (231). Adult, [Diptera: Simuliidae]. 19 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3246 M Nadeau (240). Adult, [Diptera: Simuliidae]. 20 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3247 M Nadeau (228). Adult, [Diptera: Simuliidae]. 19 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3298 J Gutierrez Samperio (14) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1987. Mexico: Colima.

3299 J Gutierrez Samperio (15) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1987. Mexico: Colima.

3304 J Gutierrez Samperio (20) ← ERD Reyes. *Dialeurodes citri* [Homoptera: Aleyrodidae] on Citrus. 1990. Mexico: Tecomán, Colima.

3319 M Brownbridge (Perry 3). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. Location not specified.

3368 N Underwood ← SP Wraight. *Metopolophium dirhodum* [Homoptera: Aphididae] on late-sown spring wheat. 9 Jul 1991. USA: SW Idaho R/E Center, Parma, Idaho.

3374 MB von Wechmar ← JM Laubscher. *Rhopalosiphum padi* [Homoptera: Aphididae]. Sep 1989. South Africa: (32.48 S; 18.53 E) Pools, South Western Cape, Cape Province. Virus contaminants: aphid lethal paralysis virus (ALPV) and *Rhopalosiphum padi* virus (RhPV); Family: Picornaviridae, (tentative genus: *Enterovirus*).

3378 K Ostrovska (3) ← PG Lawlor. *Lutzomyia* sp. [Diptera: Psychodidae]. Jul 1991. Guatemala: Tical, Petén.

3380 K Ostrovska (6) ← GC Lanzaro. *Anopheles gambiae* [Diptera: Culicidae]. 24 Aug 1991. Mali: inside houses, Werekla, Koulikoro.

3381 K Ostrovska (9) ← GC Lanzaro. *Anopheles gambiae* [Diptera: Culicidae]. 24 Aug 1991. Mali: inside houses, Werekla, Koulikoro.

3413 K Ostrovska (20) ← MV Herrero. Male, *Lutzomyia saulensis* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.

3417 K Ostrovska (26) ← MV Herrero. Male, *Lutzomyia saulensis* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.

3419 K Ostrovska (29) ← MV Herrero. Male, *Lutzomyia saulensis* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.

3420 K Ostrovska (31) ← MV Herrero. *Lutzomyia* sp. [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.

3421 K Ostrovska (33) ← MV Herrero. *Lutzomyia* sp. [Diptera: Psychodidae]. 23 Sep 1991. Costa Rica: Brasilito, Guanacaste.

3422 K Ostrovska (34) ← MV Herrero. Male, *Lutzomyia longipalpis* [Diptera: Psychodidae]. 23 Sep 1991. Costa Rica: Brasilito, Guanacaste.

3423 K Ostrovska (35). *Lutzomyia* sp. [Diptera: Psychodidae]. 21 Sep 1991. Costa Rica: Nazareth, Guanacaste.

3424 K Ostrovska (36). *Lutzomyia* sp. [Diptera: Psychodidae]. 21 Sep 1991. Costa Rica: Nazareth, Guanacaste.

3425 K Ostrovska (37). *Lutzomyia* sp. [Diptera: Psychodidae]. 21 Sep 1991. Costa Rica: Nazareth, Guanacaste.

3426 K Ostrovska (40). Male, *Lutzomyia trapidoi* [Diptera: Psychodidae]. 4 Oct 1991. Costa Rica: La Selva.

3427 K Ostrovska (42). *Lutzomyia* sp. [Diptera: Psychodidae]. 4 Oct 1991. Costa Rica: La Selva.

3428 K Ostrovska (47). *Lutzomyia* sp. [Diptera: Psychodidae]. 4 Oct 1991. Costa Rica: La Selva.

3466 CENARGEN (CG 6). Soil. 1990. Brazil: Pelotas, Rio Grande do Sul.

3467 CENARGEN (CG 134). Pupa, *Euselasia* sp. [Lepidoptera: Riodinidae]. 1988. Brazil: Rio Grande do Sul.

3468 CENARGEN (CG 135). Larva, *Euselasia* sp. [Lepidoptera: Riodinidae]. 1988. Brazil: Rio Grande do Sul.

3470 CENARGEN (CG 182). Soil. Jun 1990. Brazil: Campo Grande, Mato Grosso.

3471 CENARGEN (CG 304). *Sternechus subsignatus* [Coleoptera: Curculionidae]. 1990. Brazil: Passo Fundo, Rio Grande do Sul.

3473 CENARGEN (CG 309). Soil. 1990. Brazil: Salto da Divisa, Mato Grosso.

3474 CENARGEN (CG 310). Soil. 1990. Brazil: Jequiê, Bahia.

3475 CENARGEN (CG 188). Soil. 1991. Brazil: Brasília, Distrito Federal.

3476 CENARGEN (CG 189). Soil. 1991. Brazil: Brasília, Distrito Federal.

3478 CENARGEN (CG 311). *Aracanthus* sp. [Coleoptera: Curculionidae]. 1990. Brazil: Santa Maria, Rio Grande do Sul.

3536 J Hernández Ramírez (2). *Prosapia simulans* [Homoptera: Cercopidae]. Rec'd 23 Jan 1992. Costa Rica.

3560 M Brownbridge (R-28). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Ralph's sugar maple stand, Warren, Vermont.

3567 M Brownbridge (HL-4). Pupa, *Lambdina athasaria* [Lepidoptera: Geometridae]. Rec'd 4 Feb 1992. USA: Windham County, Vermont.

3568 M Brownbridge (HL-5). Pupa, *Lambdina athasaria* [Lepidoptera: Geometridae]. Rec'd 4 Feb 1992. USA: Windham County, Vermont.

3569 M Brownbridge (HL-6). Pupa, *Lambdina athasaria* [Lepidoptera: Geometridae]. Rec'd 4 Feb 1992. USA: Windham County, Vermont.

3570 M Brownbridge (WFT-3). *Frankliniella occidentalis* [Thysanoptera: Thripidae] on chrysanthemum. Aug 1991. USA: greenhouse, Burlington, Vermont.

3571 M Brownbridge (S-1). Soil. 12 Jan 1992. USA: Ralph's sugar maple stand, Warren, Vermont.

3624 CENARGEN (CG 186). Soil. Jun 1990. Brazil: Pelotas, Rio Grande do Sul.

3625 CENARGEN (CG 193). Soil. Oct 1990. Brazil: Pelotas, Rio Grande do Sul.

3626 CENARGEN (CG 262). Soil. May 1991. Brazil: Tocanio, Goiás.

3627 CENARGEN (CG 263). Soil. Jun 1991. Brazil: Coronel Musto, Mato Grosso.

3628 CENARGEN (CG 264). Soil. Jun 1991. Brazil: Itacambari, Mato Grosso.

3629 CENARGEN (CG 265). Soil. May 1991. Brazil: Porto Nacional, Goiás.

3630 CENARGEN (CG 266). Soil. May 1991. Brazil: Balsas, Maranhão.

3631 CENARGEN (CG 268). Soil. Jun 1991. Brazil: Mato Grosso.

3632 CENARGEN (CG 269). Soil. Jun 1991. Brazil: Coronel Musto, Mato Grosso.

3633 CENARGEN (CG 270). Soil. May 1991. Brazil: Araguaína, Goiás.

3634 CENARGEN (CG 271). Soil. May 1991. Brazil: Teresina, Piauí.

3635 CENARGEN (CG 275). Soil. May 1991. Brazil: Tasso Fragoso, Maranhão.

3636 CENARGEN (CG 308). Soil. Jun 1990. Brazil: Sorriso, Mato Grosso.

3637 CENARGEN (CG 334). Soil. Oct 1990. Brazil: Campinas, São Paulo.

3638 CENARGEN (CG 335). Soil. Jun 1990. Brazil: Barra do Garça, Mato Grosso.

3639 CENARGEN (CG 345) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.

3640 CENARGEN (CG 346) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.

3641 CENARGEN (CG 347) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.

3642 CENARGEN (CG 348) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.

3643 CENARGEN (CG 349) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3644 CENARGEN (CG 350) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3645 CENARGEN (CG 351) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3646 CENARGEN (CG 352) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3647 CENARGEN (CG 353) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3648 CENARGEN (CG 354) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3649 CENARGEN (CG 355) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3650 CENARGEN (CG 356) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3651 CENARGEN (CG 357) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3652 CENARGEN (CG 358) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3653 CENARGEN (CG 359) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3655 CENARGEN (CG 361) ← MR Faria. Soil. Dec 1991. Brazil: Minaçú, Goiás.

3656 CENARGEN (CG 362) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3657 CENARGEN (CG 363) ← MR Faria. Soil. Dec 1991. Brazil: Colinas do Sul, Goiás.

3714 RA LeBrun ← J Hanula (C-5). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 1 Jul 1991. Location not specified.

3719 RA LeBrun ← J Hanula (W-2). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1991. Location not specified.

3722 Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 21 Jun 1991. USA: Groton, Connecticut.

3724 S DeFazio. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 18 May 1992. Location not specified.

3726 P Narayanasamy (33). Rec'd 28 May 1992. Location not specified.

3727 P Narayanasamy (31). Rec'd 28 May 1992. Location not specified.

3728 P Narayanasamy (34). Rec'd 28 May 1992. Location not specified.

3729 P Narayanasamy (32). Rec'd 28 May 1992. Location not specified.

3739 AE Hajek ← JA Tanner ← L Garcia. 23 Apr 1992. USA: in or near an old trap, North Carolina.

3766 DW Roberts ← A Bellotti (9241). 3 Apr 1992. Colombia.

3773 SP Wraight (SPW-13). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 18 Jul 1992. India: Padappai.

3779 SP Wraight (SPW-14). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] egglplant leaves. 18 Jul 1992. India: Padappai.

3793 ARN Farias. Rec'd 19 Oct 1992. Brazil: Mandioca.

3794 M Brownbridge (MLC1). Larva, *Paraclemensia acericaulis* [Lepidoptera: Incurvariidae] Acer sp. Rec'd 23 Feb 1993.

3796 M Brownbridge (MLC9). Larva, *Paraclemensia acericaulis* [Lepidoptera: Incurvariidae] Acer sp. Rec'd 26 Feb 1993.

3797 M Brownbridge (MLC11). Larva, *Paraclemensia acericaulis* [Lepidoptera: Incurvariidae] Acer sp. Rec'd 26 Feb 1993. Location not specified.

3798 ERD Reyes (PF2). Adult, *Bemisia* sp. [Homoptera: Aleyrodidae] watermelon. 31 Jul 1990. Mexico: Colima.

3799 ERD Reyes (PF3). Adult, *Bemisia* sp. [Homoptera: Aleyrodidae] watermelon. 6 Jan 1991. Mexico: Colima.

3801 ERD Reyes (SMB1). Adult, *Bemisia* sp. [Homoptera: Aleyrodidae] watermelon. 9 Feb 1992. Mexico: Colima.

3802 ERD Reyes (SMBIII). Adult, *Bemisia* sp. [Homoptera: Aleyrodidae] watermelon. 9 Feb 1992. Mexico: Colima.

3803 ERD Reyes (PFRD). Larva, *Dyaphania hialinata* melon. 5 Nov 1990. Mexico: Colima.

3804 ERD Reyes (VD). Larva, *Diatraea saccharalis* [Lepidoptera: Pyralidae] sugarcane. 25 Mar 1992. Mexico: Colima.

3805 ERD Reyes (MBP). Adult, *Bemisia* sp. [Homoptera: Aleyrodidae] Chili. 9 Oct 1991. Mexico: Yucatán.

3806 ERD Reyes (MBCH). Adult, *Bemisia* sp. [Homoptera: Aleyrodidae] Chili. 9 Oct 1991. Mexico: Yucatán.

3807 ERD Reyes (PFY). Adult, *Bemisia* sp. [Homoptera: Aleyrodidae] Chili. 9 Oct 1991. Mexico: Yucatán.

3821 ERD Reyes (BbCO2) or (BbH). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae] OVERWINTERING SITE. 9 Oct 1992. Mexico: Guanajuato State.

3841 LA Lacey (92140). *Popillia japonica* [Coleoptera: Scarabaeidae]. Rec'd 24 Nov 1992. Portugal: Terceira Island, Azores.

3842 LA Lacey (92101). *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. 27 Sep 1992. Pakistan: Multan.

3844 LA Lacey (92133). ?, *Bemisia tabaci* [Homoptera: Aleyrodidae] ?. Rec'd 24 Nov 1992. Nepal: Katmandu Valley, Katmandu.

3845 LA Lacey (92113). ?, *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. 14 Oct 1992. Pakistan: Multan.

3847 LA Lacey (92102). *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. 4 Oct 1992. Pakistan: Multan.

3849 LA Lacey (92153). *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. 8 Sep 1992. Pakistan: Multan.

3850 LA Lacey (92124). *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. 16 Oct 1992. Pakistan: Multan.

3860 [JB Tavares BRA-000027] MS Tigano-Milani (CG-76#2). *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 13 Jan 1993. Brazil.

3869 LA Lacey (92158). *Bemisia tabaci* [Homoptera: Aleyrodidae]. 11 Sep 1992. India: Podumbu.

3876 LA Lacey (92117) ← D Shakeel. *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 27 Jan 1993. Pakistan: Multan.

3894 LA Lacey (92075) ← G Mercadier. [Homoptera: Aphididae]. 19 Jun 1992. USSR: Caucasus . Host: cereal aphids.

3943 NSA Negreiros (7567). 24 May 1993.

3944 Acc'd 18 Oct 1993.

3945 Rec'd 7 Jul 1993.

3947 Rec'd Jul 1993.

3962 Acc'd 18 Oct 1993.

3980 LA Lacey (93017) ← S Reichert. Adult, *Oulema melanopus* [Coleoptera: Chrysomelidae]. 19 Apr 1993. France: La Valette.

3990 LA Lacey (93027) ← A Lacasa. *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 1993. Spain: Murcia.

3991 LA Lacey (93028) ← A Lacasa. *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 1993. Spain: Murcia.

3992 LA Lacey (93029) ← A Lacasa. *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 1993. Spain: Murcia.

3993 LA Lacey (93030) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.

3994 LA Lacey (93031) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.

3997 LA Lacey (93034) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.

3998 LA Lacey (93035) ← F Herard. Larva, *Yponomeuta* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.

4000 LA Lacey (93037) ← Heruies. [Homoptera: Membracidae]. 4 Apr 1993. Brazil: Bahia.

4003 LA Lacey (93040) ← Heruies. [Homoptera: Aleyrodidae] Citrus. 30 Apr 1993. Brazil: Bahia.

4037 T Steenberg (251). *Phyllotreta nigripes* [Coleoptera: Chrysomelidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.

4140 [DAT 25] AC Rath (F025). *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1986. Australia: Hamilton, Tasmania.

4147 [DAT 87] AC Rath (F087) ← H Yip. Soil. 6 Jan 1988. Australia: Mt Wellington, Hobart, Tasmania.

4201 LA Lacey (94014) ← La Casa. Larva, *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 5 May 1993. Spain: Murcia.

4204 LA Lacey (94035). [Homoptera: Aphididae] Eggplant. 24 Mar 1994. Malaysia: Kuala Terla.

4214 LA Lacey (94046) ← K Hopper. [Homoptera: Aphididae] Wheat. 19 Mar 1994. Israel: Negeu Desert, Revevim.

4215 LA Lacey (94042) ← K Hopper. [Homoptera: Aphididae] Wheat. 19 Mar 1994. Israel: Negeu Desert, Revevim.

4844 JM Sung (C-45). Adult, [Hymenoptera: Apidae]. 14 Aug 1990. Republic of Korea: Guryungryung, Kangwon-do.

4859 BL Parker (AVRDC-0058B). Soil Eggplant. 14 Mar 1994. Republic of China: AVRDC Field 105, Taiwan.

4860 BL Parker (AVRDC-0321B). Soil Home Garden, Mixed vegetables. 12 May 1994. Republic of China: Taiwan.

4861 BL Parker (AVRDC-0337B). Soil Eggplant. 18 May 1994. Republic of China: NPPI, Taiwan.

6370 Adult, *Aeneolamia varia* [Homoptera: Cercopidae]. 2 Jul 1997. Colombia: Farm of C.I. La Libertad, Villavicencio, Meta.

6463 [CIAT 048] D Peck. Adult, female, *Zulia carbonaria* [Homoptera: Cercopidae]. 11 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6466 [CIAT 051] D Peck. Adult, female, *Zulia carbonaria* [Homoptera: Cercopidae]. 25 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6895 E Zhioua (Tick #1). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd May 2001.

6899 E Zhioua (Tick #4). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd May 2001.

7070 KT Hodge (PR7). [Homoptera: Aleyrodidae] on large leaves. 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.

9334 [ERL 1634] S Gouli (SVG-09) and V Gouli. *Tipula* sp. [Diptera: Tipulidae]. 2009. USA: Vermont.

9921 [ERL 1756] S Gouli (HWA-G-34) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: Maine.

***Acremonium* sp.**
[Sordariomycetes: Hypocreales]

4058 T Steenberg (BP2). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Jul 1989. Denmark: Lyngby, Zealand.

4059 T Steenberg (BP4). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Jul 1989. Denmark: Lyngby, Zealand.

4063 T Steenberg (TT5) ← H Brødsgaard. *Thrips tabaci* [Thysanoptera: Thripidae]. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

5773 BL Parker (AT 145). *Adelges tsugae* [Homoptera: Adelgidae]. Oct 1997. USA: Forest Park, Massachusetts.

7402 M Liu (ml189). 17 Dec 2003. USA: Toro Negro, Puerto Rico.

Acremonium alternatum Link : Fries
[Sordariomycetes: Hypocreales]

7282 FE Vega (CBB9-2). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jan 2004. Colombia: Chinchiná, Caldas.

Acremonium bactrocephalum W Gams
[Sordariomycetes: Hypocreales]

10166 [ERL 1828] S Gouli (Thr.-10-36) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.

10167 [ERL 1829] S Gouli and V Gouli (Thr.-10-37). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10168 [ERL 1830] S Gouli (Thr.-10-38) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10169 [ERL 1831] S Gouli and V Gouli (Thr.-10-39). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Langdon, New Hampshire.

Acremonium berkeleyanum (Karsten) Gams
[Sordariomycetes: Hypocreales]
Nectriaceae

2067 [ATCC 64865] GC Carroll (3(RSRS-0/34)). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Acremonium furcatum F&R Moreau ex Gams
[Sordariomycetes: Microascales]
Microascaceae

1372 TJ Poprawski (083). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 21 Jun 1983. France: Choisy-en-Brie, Haute-Savoie.

Acremonium psammosporum W Gams
[Sordariomycetes: Hypocreales]

4062 T Steenberg (TT3) ← H Brødsgaard. *Thrips tabaci* [Thysanoptera: Thripidae]. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

Acremonium roseum (Oudemans) Gams
[Sordariomycetes: Hypocreales]

1964 [CNPAF 85-7-30; CP 190] JC Lord and BP Magalhães. *Pseudoplusia ni* [Lepidoptera: Noctuidae]. 30 Jul 1985. Brazil: Nordeste.

***Acremonium(?)* sp.**
[Sordariomycetes: Hypocreales]

7031 RG Hollingsworth (KNF2001-10). *Frankliniella occidentalis* [Thysanoptera: Thripidae] from laboratory colony. 16 May 2001. USA: U. S. Pacific Basin Agricultural Research Center, Hilo, Hawaii.

7036 RG Hollingsworth (KNF2002-6). [Homoptera: Coccidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.

9368 [ERL 1668] S Gouli (HWA-G-17) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

Acrodontium crateriforme (Van Beyma) de Hoog
[Leotiomycetes: Leotiales]
Leotiaceae

2070 GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Akanthomyces aculeatus Lebert
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7351 M Liu. 20 Sep 2003. limestone peak.

Akanthomyces clavatus (Mains) ***comb. nov.***, unpublished
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7577 RM Pereira (Y4Y). Adult worker, *Solenopsis invicta* [Hymenoptera: Formicidae]. 16 Dec 2003. USA: USDA ARS CMAVE, Gainesville, Florida.

Akanthomyces gracilis Samson & HC Evans
[Sordariomycetes: Hypocreales]
Cordycipitaceae

2910 CBS (741.73). *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana.

2919 CBS (141.73) ← RA Samson. *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana: Atewa Forest Reserve.

***Alternaria* sp.**
[Dothideomycetes: Pleosporales]
Pleosporaceae

6588 RT Mayer (FIEP #21). Rec'd 21 Sep 2000.

Amoebidium appalachense Siri, MM White & Lichtwardt
[Mesomycetozoea: Amoebidiales]

9181 RW Lichtwardt (TN-27-W1A). *Chironomus* sp. [Diptera: Chironomidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

9255 RW Lichtwardt (TN-27-A3(a)). *Chironomus* sp. [Diptera: Chironomidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.

9256 RW Lichtwardt (TN-27-W4). *Chironomus* sp. [Diptera: Chironomidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.

Amoebidium parasiticum Cienkowski
[Mesomycetozoea: Amoebidiales]

9182 RW Lichtwardt (FRA-1-14). [Cladocera]. Jun 1968. France: Hérault.

9183 RW Lichtwardt (JAP-7-2). *Chironomus* sp. [Diptera: Chironomidae]. Mar 1964. Japan: Honshu.

9257 RW Lichtwardt (A1a). [Cladocera]. 1959. USA: southern California, California.

***Aphanocladium* sp.**
[Sordariomycetes: Hypocreales]

8457 [CEP 200; LPSC 879] AV Toledo. Adult, *Delphacodes kuscheli* [Homoptera: Delphacidae] on *Hordeum vulgare* L., barley. 6 Jun 2005. Argentina: La Plata, Buenos Aires.

8458 [CEP 201; LPSC 880] AV Toledo. Adult, *Delphacodes kuscheli* [Homoptera: Delphacidae] on *Hordeum vulgare* L., barley. 6 Jun 2005. Argentina: Los Hornos, Buenos Aires.

Aphanocladium album (Preuss) Gams
[Sordariomycetes: Hypocreales]
Nectriaceae

1329 TJ Poprawski (085). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 5 Jun 1983. France: Chichery.

3680 LS Osborne. *Bemisia tabaci* [Homoptera: Aleyrodidae] on tomato. Rec'd Apr 1992. USA: Apopka, Florida.

5756 BL Parker (SPT 026/2). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 21 Jan 1998. Syria: Al Kilabia.

5998 KT Hodge. Rec'd 1 Dec 1998. USA: Oregon.

6492 BL Parker (SPT-KZ-425). Exuvium, [Araneida: Araneae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:.** *contact Curator*

***Aphanomyces* sp.**
[Oomycetes: Saprolegniales]
Leptolegniaceae

2005 [ATCC 58381] BA Jaffee (Lag3). *Xiphinema americanum* [Dorylaimida: Longidoridae]. 9 Jul 1984. USA: Adams County, Pennsylvania.

Arthrobotrys amerospora Schenck, Kendrick & Pramer
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4808 Host not specified. Rec'd 29 Sep 1994. Location not specified.

4809 [CBS CBS 325.94] A Rubner (A.R. 9226). Host not specified. Rec'd 29 Sep 1994. Location not specified.

Arthrobotrys brochopaga (Drechsler) Schenck, Kendrick & Pramer
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4815 [CBS 332.94] A Rubner (AR 9314). From rural soil. Mar 1993. Ecuador: Provincia de Manabí.

4937 BA Jaffee (CR125). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994.

Arthrobotrys cladodes* var. *macroides Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4800 A Rubner (AR 9337). From soil of warm greenhouse. Sep 1993. Germany: Botanical Garden, Jena, Gera.

Arthrobotrys conoides Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4804 A Rubner (AR 934). From soil under *Rumex* sp. Oct 1992. Spain: Chavio verde, La Palma, Canary Islands.

Arthrobotrys haptotyla Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

5435 BA Jaffee (AK161). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. Rec'd 5 May 1997. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.

Arthrobotrys musiformis Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

3730 BA Jaffee (MN101). Rec'd 1 Jun 1992. USA: Merced County, California.

4938 BA Jaffee (AN139). Used as bait., *Steinernema glaseri* Soil dilution agar/Soil sprinkle plate. 1994. Laboratory manipulation. Three dimensional, adhesive networks.

Arthrobotrys oligospora Fresenius
[Orbiliomycetes: Orbiliales]
Orbiliaceae

3347 BA Jaffee (A01). Soil. 1981. USA: Edgefield City, South Carolina.

3732 BA Jaffee (MN103). Rec'd 1 Jun 1992. USA: Merced County, California.

4939 BA Jaffee (AN141). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994. Laboratory manipulation.

4967 N Viaene (41). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae] from soil. Summer 1994. USA: Ferlito Farm, Oswego, New York.

5411 KT Hodge. Phylum Nemata Mixed soils from various apple orchards. Summer 1996. USA: Wayne County, New York.

5561 I Klingen (TØF 20.1). Pupa, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Sparbu, Nord Trøndelag.

5562 I Klingen (VFA 7.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 4 Sep 1996. Norway: Trofors, Nordland.

Arthrobotrys oligospora* var. *oligospora Fresenius
[Orbiliomycetes: Orbiliales]
Orbiliaceae

3369 KT Hodge ← P John (Ar□). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.

3370 KT Hodge ← P John (Ar2). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.

Arthrobotrys superba Corda
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4940 BA Jaffee (AN142). Used as bait, *Steinernema glaseri* Soil dilution agar/Soil sprinkle plate. 1994. Laboratory manipulation. Three dimensional, adhesive networks.

Arthrobotrys thaumasia Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

5434 BA Jaffee (AN159). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. Rec'd 5 May 1997. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.

***Aschersonia* sp.**
[Sordariomycetes: Hypocreales]
Clavicipitaceae

2351 [ARSEF 2397] MC Rombach (131286-19). Larva, *Dialeurodes citri* [Homoptera: Aleyrodidae] on *Philodendron* sp. 13 Dec 1986. Indonesia: tropical rainforest, Gunung Merapi, Yogyakarta, Java.

2357 [ARSEF 2392 (never frozen)] MC Rombach (301286-7). *Dialeurodes citri* [Homoptera: Aleyrodidae]. 30 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.

2358 [ARSEF 2393 (never frozen)] MC Rombach (301286-8). Larva, *Dialeurodes citri* [Homoptera: Aleyrodidae] on *Maoutia* sp. 30 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.

2397 [ARSEF 2351] MC Rombach (131286-19). Larva, *Dialeurodes citri* [Homoptera: Aleyrodidae] on *Philodendron* sp. 13 Dec 1986. Indonesia: tropical rainforest, Gunung Merapi, Yogyakarta, Java.

2398 MC Rombach (131286-13). Larva, *Dialeurodes citri* [Homoptera: Aleyrodidae] on *Philodendron* sp. 13 Dec 1986. Indonesia: Gunung Merapi, Yogyakarta, Java.

3014 SR Sánchez Peña. [Homoptera: Aleyrodidae] on *Citrus* sp. (orange) leaves. 26 May 1990. Mexico: orange (Citrus) orchard, Gómez Farias, Tamaulipas.

3015 SR Sánchez Peña. Nymph, [Homoptera] on *Ficus* sp. 26 May 1990. Mexico: orange (Citrus) orchard, Gómez Farias, Tamaulipas.

4098 LA Lacey (94008). Rec'd 28 Mar 1994. Brazil. No sporolation to allow for confirmation of ID.

4207 LA Lacey (94039). [Homoptera: Aleyrodidae]. 23 Mar 1994. Malaysia: Ringlet.

4208 LA Lacey (94037). [Homoptera: Aleyrodidae]. 8 Mar 1994. Thailand: Kao Yaï.

4210 LA Lacey (94038). [Homoptera: Aleyrodidae]. 28 Mar 1994. Malaysia: Kuala Lumpur.

4424 LA Lacey (94010). *Dialeurodes citri* [Homoptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.

4426 LA Lacey (94098). *Dialeurodes citri* [Homoptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.

4430 LA Lacey (94102). *Dialeurodes citri* [Homoptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.

4431 LA Lacey (94103). *Dialeurodes citri* [Homoptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.

4432 LA Lacey (94104). *Dialeurodes citri* [Homoptera: Aleyrodidae]. 20 Jan 1994. Brazil: Londrina, Paraná.

4433 LA Lacey (94024). [Homoptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4435 LA Lacey (94080). [Homoptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4436 LA Lacey (94081). [Homoptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4437 LA Lacey (94082). [Homoptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4438 LA Lacey (94083). [Homoptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4439 LA Lacey (94084). [Homoptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4440 LA Lacey (94085). [Homoptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4441 LA Lacey (94086). [Homoptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4442 LA Lacey (94087). [Homoptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4443 LA Lacey (94088). [Homoptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4444 LA Lacey (94089). [Homoptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4445 LA Lacey (94090). [Homoptera: Aleyrodidae] Ginger. 8 Mar 1994. Thailand: Kao Yaï.

4448 LA Lacey (94092). [Homoptera: Aleyrodidae] Malastroma. 28 Mar 1994. Malaysia: Kuala Lumpur.

4449 LA Lacey (94093). [Homoptera: Aleyrodidae] Malastroma. 28 Mar 1994. Malaysia: Kuala Lumpur.

5215 KT Hodge (FAH121) ← FA Harrington (FH121). [Homoptera: Aleyrodidae] Fern leaves. Jan 1996. USA: Reserva Forestal Guajataca, Puerto Rico.

5216 KT Hodge (U0043). [Homoptera: Aleyrodidae] Mimiropsis leaves. 4 Jul 1995. Uganda: Bwindi Swamp Camp, Bwindi Impenetrable National Park.

7071 KT Hodge (PR8). On fern fronds5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.

7073 KT Hodge (PR12). Underside of leaves5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.

7077 KT Hodge (PR23). Underside of separate leaves5 Jul 2002. USA: El Yunque, Caribbean National Forest, Bisley Trail, Río Grande Municipio, Puerto Rico.

7082 KT Hodge (PR42). On living leaves from unidentified tree6 Jul 2002. USA: El Yunque, Caribbean National Forest, trail downhill from Palo Colorado Station, Río Grande Municipio, Puerto Rico.

7083 KT Hodge (PR51). 7 Jul 2002. USA: El Yunque, Caribbean National Forest, El Toro Trail at Route 186, Río Grande Municipio, Puerto Rico.

7084 KT Hodge (PR52). 7 Jul 2002. USA: El Yunque, Caribbean National Forest, El Toro Trail at Route 186, Río Grande Municipio, Puerto Rico.

7085 KT Hodge (PR58). [Homoptera: spf. Coccoidea] on fronds of *Zamia portoricensis*. 8 Jul 2002. USA: Bosque Estatal de Susúa, Trail 5, Camino Mariano, Puerto Rico.

7087 KT Hodge (PR71). 9 Jul 2002. USA: Bosque del Pueblo, Vereda de los Niños, Adjuntas, Puerto Rico.

7091 KT Hodge (PR75). 9 Jul 2002.

7092 KT Hodge (PR76). 9 Jul 2002.

7310 M Liu (FL15). 14 Aug 2003. USA: Duda Grove, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67398.

7311 M Liu (FL16). 14 Aug 2003. USA: Duda Grove, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67399.

7313 M Liu (FL18). Aug 2003. USA: Charlotte County, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67403.

7314 M Liu (FL19). on *Citrus x paradisi* Macfad., grapefruit. Aug 2003. USA: Edison Park, Fort Myers, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67404.

7317 M Liu (FL22). on *Citrus* sp., citrus. Aug 2003. USA: Lee County, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67407.

7318 M Liu (FL23). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67409.

7319 M Liu (FL24). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67409.

7320 M Liu (FL25). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67410.

7321 M Liu (FL26). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67410.

7322 M Liu (FL27). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, Dr. Cave's experiment plot, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67411.

7323 M Liu (FL28). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67413.

7324 M Liu (FL29). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67413.

7325 M Liu (FL30). on *Citrus aurantiifolia* (Christm.) Swingle, lime. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67414.

7326 M Liu (FL31). on *Citrus x paradisi* Macfad., grapefruit. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67415.

7327 M Liu (FL32). on *Citrus*, orange. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67416.

7328 M Liu (FL33). 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67418.

7329 M Liu (FL34). on *Litchi chinensis* Sonn., lychee. 18 Aug 2003. USA: Indian River Research and Education Center, salad grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67419.

7337 M Liu (FL42). 20 Aug 2003. USA: Bowling Green, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67433.

7338 M Liu (FL43). Rec'd 18 Dec 2003.

7656 P Chaverri (PC 614). 2004. Bolivia: Madidi National Park, Departamento La Paz.

7699 P Chaverri ← HC Evans and GJ Samuels (Afr 85). Rec'd 14 Sep 2004. Cameroon: Korup National Park, Sud-Ouest.

7751 P Chaverri. Rec'd 14 Sep 2004.

8200 P Chaverri (PC 436-2). 13 Dec 2003. Mexico: Project Cielo, Tierra y Selva, trail to the mountain, Pueblo Ejido Lopez Mateo, Veracruz.

10276 DEN Rangel. Rec'd 27 Sep 2011.

Aschersonia aleyrodis Webber
[Sordariomycetes: Hypocreales]
Clavicipitaceae

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341 I Majchrowicz. Larva, *Dialeurodes ?citri* [Homoptera: Aleyrodidae] on citrus. Oct 1978. USA: Lake Alfred, Florida.

342 I Majchrowicz. Larva, *Dialeurodes ?citri* [Homoptera: Aleyrodidae] on citrus. Oct 1978. USA: Lake Alfred, Florida.

430 RS Soper. [Homoptera: Aleyrodidae] on citrus leaves. 9 Jan 1980. USA: Lake Alfred, Florida.

432 RS Soper. [Homoptera: Aleyrodidae] on citrus leaves. 9 Jan 1980. USA: Zephyr Hills, Lake Alfred, Florida.

992 J Aoki (Ash. 1) ← K Oshima ← N Oho. *Dialeurodes citri* [Homoptera: Aleyrodidae]. Rec'd 7 Nov 1983. Japan: Saga Prefecture.

2154 MC Rombach (220386-1). *Aglaia odoratissima* [Homoptera: Aleyrodidae]. 22 Mar 1986. Indonesia: Bogor Botanical Gardens, Bogor, Jawa Barat, Java.

2268 JJ Fransen ← RA Samson. *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae]. Rec'd 14 Oct 1986. Netherlands: Baarn, Utrecht.

4103 Acc'd 21 Apr 1994.

4104 Rec'd 23 Jan 1994.

4209 LA Lacey (94-41). [Homoptera: Aleyrodidae]. 28 Mar 1994. Malaysia: Kuala Lumpur.

7339 M Liu (FL44). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67435.

7340 M Liu (FL45). 22 Aug 2003. USA: Residence of Majorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67435.

7343 M Liu (FL48). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67435.

7344 M Liu (FL49). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67435.

7393 M Liu (ml175-2). 16 Dec 2003. USA: Guilarte, Route 388 trail, Adjuntas, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4421.

7394 M Liu (ml175-3). 18 Dec 2003. USA: Guilarte, Route 388 trail, Adjuntas, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4421.

7617 P Chaverri (PC 321). 20 Aug 2003. Costa Rica: OTS La Selva Biological Station, Sarapiquí, Heredia.

7641 P Chaverri ← JF Bischoff (JB 133). 14 Jul 2002. Panama: Smithsonian Tropical Research Institute, behind field station, Fortuna, Chiriqui.

7642 P Chaverri ← MC Aime (MCA 2465). 8 Jan 2004. Guyana: Kamarang, Cuyuni-Mazaruni. N 5° 16', W 59° 54', 650 m elevation.

7659 [IMI 362284] P Chaverri ← HC Evans (I93-815). 1993. Guyana.

7666 [IMI 362300] P Chaverri ← HC Evans (I94-908). 1994. Venezuela.

7677 [IMI 362294] P Chaverri ← HC Evans (I93-807). 1993. Guyana.

7706 P Chaverri (PC 434). 13 Dec 2003. Mexico: Project Cielo, Tierra y Selva, Pueblo Ejido Lopez Mateo, Veracruz.

7707 P Chaverri (PC 445). 13 Dec 2003. Mexico: Pueblo Ejido Lopez Mateo, Veracruz.

8996 M Reis Pena (Isolate 1 (UFAM)). Rec'd 3 Jun 2009. Brazil. **RESTRICTED ACCESS:** *consult Curator*.

8997 M Reis Pena (Isolate 2 (ESALQ)). Rec'd 3 Jun 2009. Brazil. **RESTRICTED ACCESS:** *consult Curator*.

9535 [SRCAMB B-413] V Likhovidov ← BA Borisov. Larva, *Dialeurodes citri* [Homoptera: Aleyrodidae]. Aug 2003. Republic of Georgia: Autonomous Republic of Abkhazi. Field Collection Number F-931.

Aschersonia andropogonis P Hennings
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7341 M Liu (FL46). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67436.

7342 M Liu (FL47). 22 Aug 2003. USA: Residence of Marjorie Kinnan Rawlings, Cross Creek, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67436.

7391 M Liu (ml165). [Homoptera] on fern. Dec 2003. USA: Route 105 between Mayaguez and Maricao, Puerto Rico.

7398 M Liu (ml201-2c). 18 Dec 2003. USA: Reserva Forestal Guajataca, Puerto Rico.

7608 Rec'd 4 Feb 2005.

7638 P Chaverri ← HC Evans and GJ Samuels (Afr 70). Rec'd 14 Sep 2004. Ghana.

7639 P Chaverri ← HC Evans and GJ Samuels (Afr 116). Oct 2003. Cameroon: Korup National Park, Sud-Ouest. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67563.

7660 P Chaverri ← HC Evans (I93-901a). 1993. Ivory Coast.

7662 P Chaverri ← HC Evans (I93-901c). 1993. Ivory Coast.

7672 [IMI 317421] P Chaverri ← HC Evans. Rec'd Mar 2005. Jamaica.

7685 M Liu (CR 22). 20 Jun 2002. Costa Rica: OTS La Selva Biological Station, Plantation beside entrance, Sarapiquí, Heredia. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 067345.

7698 P Chaverri ← GJ Samuels (Afr 64). Rec'd 14 Sep 2004. Ghana.

7754 Acc'd 12 Dec 2005.

7755 Acc'd 12 Dec 2005.

Aschersonia basicystis Berkeley & Curtis
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7611 Acc'd 26 Sep 2005.

7749 P Chaverri ← JF Bischoff (JB 130). 14 Jul 2002. Panama: Fortuna, Chiriqui.

7750 P Chaverri ← JF Bischoff (JB 205). 13 Aug 2003.

Aschersonia cubensis Berkeley & Curtis
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7307 M Liu (FL12). 12 Aug 2003. USA: Silver Strand Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67395.

7308 M Liu (FL13). 12 Aug 2003. USA: Silver Strand Grove, Immokalee, Florida. Specimen accessioned in the Cornell plant Pathology Herbarium as CUP 67396.

7309 M Liu (FL14). 14 Aug 2003. USA: Duda Grove, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67397.

7312 M Liu (FL17). on *Citrus x paradisi* Macfad., grapefruit. 14 Aug 2003. USA: Duda Grove, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67400.

7334 M Liu (FL39). 20 Aug 2003. USA: Lake Bella Grove, Lake Alfred, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67431.

7647 P Chaverri (PC 545). 2004. Bolivia: Madidi National Park, Departamento La Paz.

7648 P Chaverri (PC 552). 2004. Bolivia: Madidi National Park, Departamento La Paz.

7671 P Chaverri ← HC Evans (I95-958). 1995. Ecuador.

7676 [IMI 362282] P Chaverri ← HC Evans (I93-813). 1993. Guyana.

7700 P Chaverri (PC 378). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to the waterfalls, Guanacaste Conservation Area, Guanacaste.

7702 P Chaverri (PC 386). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to the waterfalls, Guanacaste Conservation Area, Guanacaste.

7703 P Chaverri (PC 389). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to Las Pailas, Guanacaste Conservation Area, Guanacaste.

7704 P Chaverri (PC 375). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to the waterfalls, Guanacaste Conservation Area, Guanacaste.

Aschersonia goldiana Saccardo & Ellis
[Sordariomycetes: Hypocreales]
Clavicipitaceae

343 I Majchrowicz. Larva, *Dialeurodes ?citri* [Homoptera: Aleyrodidae] on citrus. Oct 1978. USA: Lake Alfred, Florida.

Aschersonia incrassata Mains
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7670 P Chaverri ← HC Evans (I95-954). 1995. Bolivia.

Aschersonia insperata Rombach, M Liu, Humber & KT Hodge
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Cultures produce both the *Aschersonia* state and a synanamorph, *Hirsutella inasperata* (q.v.).

2356 [ARSEF 2391 (never frozen)] MC Rombach (201286-8). Larva, *Dialeurodes citri* [Homoptera: Aleyrodidae] on *Maoutia* sp. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.

2396 MC Rombach (301286-9). *Dialeurodes citri* [Homoptera: Aleyrodidae]. 30 Dec 1986. Philippines: tropical forest, Mt. Makiling, Los Baños, Manila.

6912 M Liu. 20 Aug 2001.

Aschersonia napoleonae Har. & Patouillard
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7697 P Chaverri ← GJ Samuels (Afr 55). Rec'd 14 Sep 2004. Ghana.

Aschersonia placenta Berkeley
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7603 [CBS 349.84] M Liu. *Dialeurodes citri* [Homoptera: Aleyrodidae]. Rec'd 2 Mar 2005. Japan: Saga Prefecture.

7604 [BCC 2230] [Homoptera: Coccoidea]. Rec'd 20 Sep 2004.

7607 9 Aug 2004. PR China: Dinghushan, Guangdong Province. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-CH 002607.

7609 10 Aug 2004. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-CH 002621.

7616 P Chaverri ← HC Evans and GJ Samuels (Afr 114). Oct 2003. Cameroon: Korup National Park, Sud-Ouest.

7637 P Chaverri ← HC Evans and GJ Samuels (Afr 28). 23 Oct 2003. Ghana: Kakum National Park, Jukua District, Central Region. Wet semi-deciduous forest, N 05° 21', W 01° 23', 280 m elevation.

7661 P Chaverri ← HC Evans (I93-901b). 1993. Ivory Coast.

7686 M Liu (CHN 3). 10 Aug 2004. PR China: Dinghushan, Guangdong Province. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-CH 002620.

Aschersonia rhombispora M Liu & KT Hodge
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7390 M Liu (ml164). [Homoptera] on fern. Dec 2003. USA: Route 105 between Mayaguez and Maricao, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4406. CULTURE EX TYPE.

7395 M Liu (ml201-1-2). On fern. 18 Dec 2003. USA: Trail #9, Reserva Forestal Guajataca, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4437.

7399 M Liu (ml201-3). On fern. 18 Dec 2003. USA: Trail #9, Reserva Forestal Guajataca, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4437.

7400 M Liu (ml201-5a). On fern. 18 Dec 2003. USA: Trail #9, Reserva Forestal Guajataca, Puerto Rico. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4437.

Aschersonia turbinata (Berkeley) Petch
[Sordariomycetes: Hypocreales]
Clavicipitaceae

1030 [GCRI 67-82] RA Hall. [Homoptera]. 1982. Colombia.

7080 KT Hodge (PR33). on frond of *Prestoea montana*6 Jul 2002. USA: El Yunque, Caribbean National Forest, Tradewinds Trail, Río Grande Municipio, Puerto Rico.

7296 M Liu (FL01). on *Citrus x paradisi* Macfad., grapefruit. 11 Aug 2003. USA: Citrus Budwood Foundation Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67377.

7297 M Liu (FL02). on *Citrus*, orange. 11 Aug 2003. USA: Citrus Budwood Foundation Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67378.

7298 M Liu (FL03). on *Citrus*, orange. 11 Aug 2003. USA: Citrus Budwood Foundation Grove, Immokalee, Florida.

7299 M Liu (FL04). on *Citrus*, orange. 11 Aug 2003. USA: Citrus Budwood Foundation Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67381.

7300 M Liu (FL05). on *Citrus*, orange. 11 Aug 2003. USA: Budwood Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67382.

7301 M Liu (FL06). on *Citrus*, orange. Rec'd 18 Dec 2003. USA: Budwood Grove, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67385.

7302 M Liu (FL07). on *Citrus x paradisi* Macfad., grapefruit. 12 Aug 2003. USA: Immokalee Pioneer Museum at Roberts Ranch, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67388.

7303 M Liu (FL08). on *Citrus x paradisi* Macfad., grapefruit. 12 Aug 2003. USA: Immokalee Pioneer Museum at Roberts Ranch, Immokalee, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67389.

7304 M Liu (FL09). 12 Aug 2003. USA: Stasley residence, La Belle, Florida. Specimen accesssioned in the Cornell Plant Pathology Herbarium as CUP 67391.

7305 M Liu (FL10). 12 Aug 2003. USA: Stasley residence, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67392.

7306 M Liu (FL11). 12 Aug 2003. USA: Stasley residence, La Belle, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67394.

7315 M Liu (FL20). on *Citrus x paradisi* Macfad., grapefruit. Aug 2003. USA: Fort Myers, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67405.

7316 M Liu (FL21). Aug 2003. USA: Route I-75, Lee County, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67406.

7331 M Liu (FL36). on *Citrus x paradisi* Macfad., grapefruit. 19 Aug 2003. USA: Griffin 3, Block 19 Grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67423.

7332 M Liu (FL37). 19 Aug 2003. USA: Griffin 3, Block 19 Grove, Fort Pierce, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67424.

7333 M Liu (FL38). 20 Aug 2003. USA: Mountain Lake Grove, Lake Alfred, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67429.

7335 M Liu (FL40). 20 Aug 2003. USA: Lake Bella Grove, Lake Alfred, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67432.

7336 M Liu (FL41). 20 Aug 2003. USA: Lake Bella Grove, Lake Alfred, Florida. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67432.

7675 [IMI 352838] P Chaverri ← HC Evans (I91-598). 1991. Mexico.

Aschersonia viridans (Berkeley & MA Curtis) Patouillard
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7650 P Chaverri (PC 575). 2004. Bolivia: Madidi National Park, Departamento La Paz.

7652 P Chaverri (PC 585). 2004. Bolivia: Madidi National Park, Departamento La Paz.

7653 P Chaverri (PC 589). 2004. Bolivia: Madidi National Park, Departamento La Paz.

7674 [IMI 346739] P Chaverri ← HC Evans (I89-490). 1989. Mexico.

Ascopolyporus philodendrus Bischoff
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7354 JF Bischoff. [Homoptera: Coccoidea] on *Philodendron* sp., Araceae. Rec'd 12 Mar 2004. Panama: Barro Colorado Island. CULTURE EX TYPE.

Ascopolyporus villosus Möller
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7355 JF Bischoff. [Homoptera: Coccoidea] on *Chusquea* sp., Poaceae. Rec'd 12 Mar 2004. Panama: Barro Colorado Island.

***Ascosphaera* sp.**
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae

7368 DL Anderson and M Bell. [Hymenoptera: Superfamily Apoidea] from subterranean cells. Rec'd 10 Feb 2004. Australia: Blue Mountains, 673 m. elevation, Hazelbrook, New South Wales.

Ascosphaera aggregata Skou
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae

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689 JD Vandenberg (2). *Megachile rotundata* [Hymenoptera: Megachilidae]. Sep 1981. USA: Lovelock, Nevada.

690 JD Vandenberg (3). *Megachile rotundata* [Hymenoptera: Megachilidae]. Sep 1981. USA: Ontario, Oregon.

Ascosphaera apis (Maassen ex Claussen) Olive & Spiltoir
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae

691 JD Vandenberg (4). *Apis mellifera* [Hymenoptera: Apidae]. Jun 1979. USA: Corvallis, Oregon.

692 JD Vandenberg (5). *Apis mellifera* [Hymenoptera: Apidae]. Jul 1981. USA: Corvallis, Oregon.

2683 SR Sánchez Peña. *Apis mellifera* [Hymenoptera: Apidae]. 6 Aug 1989. USA: Lubbock, Texas.

5142 [CBS ; CSIRO 101] DL Anderson (101). Larva, *Apis mellifera* [Hymenoptera: Apidae]. Jan 1993. Australia: Cunningham via Warwick, Queensland.

6362 B Black (FD 667). *Apis mellifera* [Hymenoptera: Apidae]. Apr 1999. USA: La Belle, Florida.

7405 [ATCC MYA-4450] KD Murray (A10). *Apis mellifera* [Hymenoptera: Apidae]. 26 Jun 2003. USA: Weslaco, Texas. Mating type + (female) determined by Rosalind James, Oct 2005.

7406 [ATCC MYA-4451] KD Murray (0.5-1A). *Apis mellifera* [Hymenoptera: Apidae]. 26 Jun 2003. USA: Weslaco, Texas. Mating type - (male) determined by Rosalind James, Oct 2005.

Ascosphaera arienoides Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae

5143 [CSIRO 140] DL Anderson (140). *Megachile* sp. [Hymenoptera: Megachilidae] Nesting cell. Oct 1994. Australia: Aratula, Queensland. Culture ex type.

Ascosphaera atra Skou & Hackett
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae

693 JD Vandenberg (6). *Megachile rotundata* [Hymenoptera: Megachilidae]. Jun 1979. USA: Ontario, Oregon.

5147 [CSIRO 198] DL Anderson (198). *Apis mellifera* [Hymenoptera: Apidae] Honey. Nov 1994. Australia: Waroona, Western Australia.

Ascosphaera duoformis Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae

5140 [CSIRO 200] DL Anderson (200). Rec'd 5 Apr 1996.

5141 [CBS ; CSIRO 199] DL Anderson (199). *Apis mellifera* [Hymenoptera: Apidae] Honey. Jul 1993. Australia: Glen Innes, New South Wales. EX HOLOTYPE CULTURE.

5151 [CSIRO 199.D9] DL Anderson (199.D9). Rec'd 5 Apr 1996. Monokaryon of ARSEF 5141.

5152 [CSIRO 199.D14] DL Anderson (199.D14). Rec'd 5 Apr 1996. Monokaryon of ARSEF 5141.

Ascosphaera flava Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae

5144 [CSIRO 196] DL Anderson (196). *Megachile* sp. [Hymenoptera: Megachilidae] Nesting cell. Jun 1995. Australia: Scarborough, Western Australia. Culture ex type.

Ascosphaera larvis Bissett
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae

7945 [ATCC 62708; CCFC 186444 (A+XB-)] RR James (-). *Megachile rotundata* [Hymenoptera: Megachilidae]. Rec'd 10 Jan 2006. Canada: Saskatchewan. Reisolation of male strain from ATCC 62708.

7946 [ATCC 62708; CCFC 186444(A+XB-)] RR James (+). *Megachile rotundata* [Hymenoptera: Megachilidae]. Rec'd 10 Jan 2006. Canada: Saskatchewan.

Ascosphaera major (Proekschl & Zobl) Skou
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae

694 JD Vandenberg (7) ← M Christensen ← JP Skou. [Hymenoptera]. 1970. Denmark.

Ascosphaera proliperda Skou
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae

695 JD Vandenberg (8) ← M Christensen ← JP Skou. *Megachile centuncularis* [Hymenoptera: Megachilidae]. 1970. Denmark.

696 JD Vandenberg (9) ← M Christensen ← JP Skou. *Megachile rotundata* [Hymenoptera: Megachilidae]. Jul 1981. Laboratory manipulation.

6363 B Black (FD 669). *Megachile rotundata* [Hymenoptera: Megachilidae]. 1998. USA: Nyssa, Oregon.

Ascosphaera solina Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae

5146 [CSIRO 130] DL Anderson (130). [Hymenoptera: Colletidae]. Oct 1994. Australia: Aratula, Queensland. Culture ex type.

Ascosphaera subcuticulata Anderson & Gibson
[Eurotiomycetes: Ascosphaerales]
Ascosphaeraceae

5145 [CSIRO 121] DL Anderson (121). Moribund larva, *Chalicodoma* sp. [Hymenoptera: Megachilidae]. Oct 1995. Australia: Lawn Hill National Park, Queensland. Culture ex type.

***Aspergillus* sp.**
[Eurotiomycetes: Eurotiales]
Trichocomaceae

1152 TJ Poprawski (83-15). Adult, *Melanoplus* sp. [Orthoptera: Acrididae]. 29 Sep 1983. Spain: Córdoba.

2765 GW Riethmacher (A3). *Plutella xylostella* [Lepidoptera: Plutellidae]. 13 Apr 1989. Philippines: La Trinidad, Benguet.

2817 GW Riethmacher (E1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 3 Apr 1989. Philippines: La Trinidad, Benguet.

2820 GW Riethmacher (E7). *Plutella xylostella* [Lepidoptera: Plutellidae]. 3 May 1989. Philippines: La Trinidad, Benguet.

3048 MS Goettel (5B). Vegetation. Jul 1990. Mali: Mordiah. Eurotium state may also be present.

3176 GW Riethmacher (B22). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 22 Dec 1989. Philippines: Cavinti, Laguna.

3195 GW Riethmacher (B47b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 6 Jun 1990. Philippines: Villiasis, Pangasinan.

3698 LA Lacey (Ma16). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 8 Apr 1992. India: Padappai.

5205 C López Lastra (408). Larva, *Rachiplusia nu* [Lepidoptera: Noctuidae] Soybean crop. 1 Mar 1994. Argentina: Los Hornos, La Plata, Buenos Aires.

6364 B Black (FD 687). *Megachile rotundata* [Hymenoptera: Megachilidae]. 1998. USA: Nyssa, Oregon.

6369 Adult, female, *Aeneolamia varia* [Homoptera: Cercopidae]. 2 Jul 1997. Colombia: Farm of C.I. La Libertad, Villavicencio, Meta.

6399 B Tunali (20). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 5 Jul 1999. Turkey: Kinkkale, Ankara.

6405 B Tunali (29). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.

6406 B Tunali (31). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.

6408 B Tunali (33). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.

6419 A Niassy (K ONI). Rec'd 7 Dec 1999.

6422 A Niassy (B OSE). Rec'd 7 Dec 1999.

6423 A Niassy (B OSE). Rec'd 7 Dec 1999.

6571 LS Bauer. Egg mass, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 23 May 2000. USA: from laboratory colony, USDA Forest Service, NCRS, East Lansing, Michigan.

6573 Z G/Tsadik (CHA). Rec'd 11 Aug 2000. Ethiopia.

6574 Z G/Tsadik (Chinaksen). Rec'd 11 Aug 2000. Ethiopia.

6575 Z G/Tsadik (HP). Rec'd 11 Aug 2000. Ethiopia.

6604 M Benjamin (28A). Engorged larva, *Ixodes scapularis* [Acari: Ixodidae]. 26 Aug 2000. USA: New York.

6898 E Zhioua (Tick #4). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd May 2001.

7048 TM O'Neil and DW Spurgeon. *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 12 Aug 2002. USA: Southern Plains Agricultural Research Center, College Station, Texas.

8280 BN Tiwary (IF-7). *Nezara viridula* [Hemiptera: Pentatomidae]. 4 Nov 2005. India: Purnea, Bihar.

8284 BN Tiwary (IF-13). *Supella longipalpa* [Blattodea: Blattellidae]. 22 Jun 2006. India: Patna, Bihar.

8292 BN Tiwary (SCF-9). Isolated from soil sample. 12 Feb 2006. India: Samar, Sitamarhi, Bihar.

8519 BN Tiwary (SFN-1). Nymph, *Sogatella furcifera* [Homoptera: Delphacidae]. 27 Dec 2006. India: Patna University, Patna, Bihar.

8633 CA Fuller. [Isoptera: Termitidae]. Acc'd 29 Oct 2007.

Aspergillus clavatus Desmazières
[Eurotiomycetes: Eurotiales]
Trichocomaceae

4359 DW Roberts. *Myzus persicae* [Homoptera: Aphididae]. Feb 1994. Brazil: Castro, Paraná.

9375 JG Banu (1). *Phenacoccus solenopsis* [Homoptera: Pseudococcidae]. Aug 2008. India: Allappalayam, Coimbatore, Tamil Nadu.

9379 JG Banu (5). Isolated from soil sample. Dec 2008. India: Vadapudur, Coimbatore, Tamil Nadu.

Aspergillus flavus Link:Fries
[Eurotiomycetes: Eurotiales]
Trichocomaceae

1003 J Aoki (Asp. 11). *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Fuchu, Tokyo Prefecture.

1010 J Aoki (Asp. 26). *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Fuchu, Tokyo Prefecture.

2157 BN Muthappa (PNG 12713). *Anoplolepsis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.

2158 BN Muthappa (PNG 12714). *Anoplolepsis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.

2159 BN Muthappa (PNG 12715). *Anoplolepsis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.

2818 GW Riethmacher (E4). *Plutella xylostella* [Lepidoptera: Plutellidae]. 7 Apr 1989. Philippines: La Trinidad, Benguet.

3144 MS Goettel. *Neobullieria citellivora* [Diptera: Sarcophagidae]. 2 Nov 1990. Canada: Picture Butte, Alberta.

3430 K Ostrovska (52). [Diptera: Bombylidae]. 29 Sep 1991. Costa Rica: La Selva.

4126 [DAT 3; IMI 298915] AC Rath (F003). *Phthorimaea operculella* [Lepidoptera: Gelechiidae]. 1983. Australia: U. New England, Armidale, New South Wales.

6454 Z G/Tsadik (5/03-BB). *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. 3 Oct 1999. Ethiopia: Northern Shoa.

6469 LS Bauer (2UIC1817). Larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] from laboratory colony, USDA Forest Service, NCRS. Rec'd 19 Feb 2000. USA: East Lansing, Michigan.

8289 BN Tiwary (SCF-4). Isolated from soil sample. 20 Jan 2006. India: Patna, Bihar.

9376 JG Banu (2). *Phenacoccus solenopsis* [Homoptera: Pseudococcidae]. Aug 2008. India: Allappalayam, Coimbatore, Tamil Nadu.

9378 JG Banu (4). Isolated from soil sample. Dec 2008. India: Vadapudur, Coimbatore, Tamil Nadu.

9381 DI Shapiro Ilan. *Tenebrio molitor* [Coleoptera: Tenebrionidae] for rearing of entomopathogenic nematodes. Rec'd 6 Jan 2010.

Aspergillus flavus(?) Link : Fries
[Eurotiomycetes: Eurotiales]
Trichocomaceae

5503 I Klingen (MFF 8.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Sep 1996. Norway: Lebesby, Finnmark.

5504 I Klingen (MFF 9.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Sep 1996. Norway: Lebesby, Finnmark.

5505 I Klingen (PVF 8). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.

5506 I Klingen (TØF 10.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.

5507 I Klingen (TØF 12.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.

5508 I Klingen (TØF 21.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.

5509 I Klingen (TØF 24.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.

Aspergillus nidulans(?) (Eidam) Winter
[Eurotiomycetes: Eurotiales]
Trichocomaceae

6515 RT Mayer. Larva, *Diaprepes abbreviata* [Coleoptera: Curculionidae]. Rec'd 10 May 2000. USA: Florida.

Aspergillus niger van Tieghem
[Eurotiomycetes: Eurotiales]
Trichocomaceae

3143 MS Goettel (3B). [Orthoptera]. 17 Jul 1990. Mali: Mordiah.

5721 L Erkiliç (Belen-1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 30 Mar 1998. Turkey: Belen, Gaziantep.

6365 B Black (FD 695). *Osmia lignaria* [Hymenoptera: Megachilidae]. 1999. USA: Logan, Utah.

6407 B Tunali (32). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Kollubaba.

7797 CA Fuller (#1 Cruz7UP cut) and L Upham. Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Cruz Bay, Saint John, Virgin Islands.

7798 L Erickson and CA Fuller (#1 CB4BP all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Cinnamon Bay Campground, Saint John, Virgin Islands.

7799 CA Fuller (#1b HH39P cut) and L Upham. Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Hurricane Hole, Saint John, Virgin Islands.

Aspergillus niger(?) van Tieghem
[Eurotiomycetes: Eurotiales]
Trichocomaceae

7975 BC King (56). *Drosophila* sp. [Diptera: Drosophilidae] from Tanglefoot trap. 2004. Canada: University of British Columbia laboratory, Vancouver, British Columbia. GenBank match - AY373850 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

Aspergillus ochraceus Wilhelm
[Eurotiomycetes: Eurotiales]
Trichocomaceae

2833 AE Hajek ← K Tatman (MD19#14). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1989. USA: Baltimore County, Maryland.

3325 C Castillo. *Ixodes scapularis* [Acari: Ixodidae]. Rec'd 8 May 1991. Location not specified.

5722 L Erkiliç (Karadag-1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 30 Mar 1998. Turkey: Karadag, Gaziantep, Gaziantep.

Aspergillus ochraceus(?) Wilhelm
[Eurotiomycetes: Eurotiales]
Trichocomaceae

7027 RM Pereira (DPI fungus). Adult worker, *Solenopsis invicta* [Hymenoptera: Formicidae]. Nov 2001. USA: Department of Plant Industry, Gainesville, Florida.

Aspergillus parasiticus Speare
[Eurotiomycetes: Eurotiales]
Trichocomaceae

2173 MC Rombach (140486-1) ← H Beddu Rewa. [Coleoptera: Curculionidae] on palm tree. 22 Mar 1986. Indonesia: Baritiwurung (Butterfly Valley), nr. Ujungpandang, Sulawesi Selatan, Celebes.

4128 [DAT 5; IMI 1298918] AC Rath (F005) ← RJ Milner. Phylum Arthropoda, Class Insecta. 1985. Australia: Canberra, Australian Capital Territory. ID not confirmable.

4129 [DAT 6; IMI 1298916] AC Rath (F006). Phylum Arthropoda, Class Insecta. 1985. Australia: U. New England, Armidale, New South Wales. ID not confirmable.

5470 TJ Poprawski (TJP935). Larva, *Eoreuma loftini* [Lepidoptera: Pyralidae]. Rec'd 9 May 1997. USA: sugarcane field, Weslaco, Texas.

Aspergillus sydowii Thom & Church
[Eurotiomycetes: Eurotiales]
Trichocomaceae

8379 CD Harvell (FK11) or (AS16). *Gorgonia ventalina* [Alcyonacea: Gorgoniidae]. Rec'd 22 Feb 2007. USA: Key West, Florida.

8380 CD Harvell (SS7) or (AS17). *Gorgonia ventalina* [Alcyonacea: Gorgoniidae]. Jul 1995. The Bahamas: San Salvador.

8381 CD Harvell (SA25) or (AS18). *Gorgonia ventalina* [Alcyonacea: Gorgoniidae]. Jul 1995. Netherlands: Saba, Netherlands Antilles.

8382 CD Harvell (15B1) or (AS29). *Gorgonia ventalina* [Alcyonacea: Gorgoniidae]. Mar 2005. USA: Tennessee Reef, Florida.

Aspergillus tamarii Kita
[Eurotiomycetes: Eurotiales]
Trichocomaceae

4127 [DAT 4; IMI 1298917] AC Rath (F004). *Phthorimaea operculella* [Lepidoptera: Gelechiidae]. 1984. Australia: U. New England, Armidale, New South Wales. ID not confirmed.

Aspergillus tamarii(?) Kita
[Eurotiomycetes: Eurotiales]
Trichocomaceae

6418 A Niassy (K HDA). Rec'd 7 Dec 1999.

6420 A Niassy (M2VA). Rec'd 7 Dec 1999.

Atricordyceps harposporifera Samuels
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Anamorph: *Harposporium anguillulae* Lohde.

5472 GJ Samuels (81-358). Phylum Arthropoda. 12 Aug 1981. New Zealand: Waitakere Ranges, Waitemata City, Fairy Falls Track, off Mountain Road, Auckland, North Island. Culture ex holotype (PDD 42208) .

***Balansia* sp.**
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7089 KT Hodge (PR73). 9 Jul 2002. USA: Adjuntas, Puerto Rico.

Barbatospora ambicaudata MM White, Siri & Lichtwardt
[Kickxellomycotina: Harpellales]
Legeriomycetaceae

9020 RW Lichtwardt (TN-49-W4A). *Simulium vandalicum* [Diptera: Simuliidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.

***Basidiobolus* sp.**
[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae

270 RK Benjamin ← CW Emmons (2501). *Bufo marinus* (toad) dung. Rec'd Nov 1978. USA: NIH lab, Bethesda, Maryland.

271 RK Benjamin ← CW Emmons (2502) ← Lie-Kian-Joe. Frog dung. Rec'd Nov 1978. Indonesia.

273 RK Benjamin ← CW Emmons (2507) ← Deshpande. *Homo sapiens* [Primates: Hominidae]. Rec'd Nov 1978. Location not specified.

2048 D TeStrake (TL-10). Lizard dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.

2049 D TeStrake (TL-12). Lizard dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.

2050 D TeStrake (TL-13). Lizard dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.

2051 D TeStrake (TT-5). Toad dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.

2052 D TeStrake (TT-9). Toad dung. Rec'd 25 Nov 1985. USA: Tampa, Florida.

3764 R Nelson. Soil. 1990. Barbados.

5336 RA Humber. Lizard dung. Rec'd Aug 1996. USA: Sonoran desert, Tuscon, Arizona.

9887 DA Henk (dah11DG1). *Dyscophus guineti* [Anura: Microhylidae] from dung of captive frog. Jul 2009. Switzerland.

9888 DA Henk (dah6DL1). *Dendrobates leucomelas* [Anura: Dendrobatidae] from dung of captive frog. Jul 2009. Switzerland.

9889 DA Henk (dah8TM1). *Triturus marmoratus* [Caudata: Salamandridae] from dung of captive salamander. Jul 2009. Switzerland.

9890 DA Henk (dahBR17). *Hylarana erythraea* [Anura: Ranidae] from dung. Jul 2009. Malaysia.

9891 DA Henk (dahBR2). *Hylarana labialis* [Anura: Ranidae] from dung. Jul 2009. Malaysia.

9892 DA Henk (dahBR4). *Hylarana glandulosa* [Anura: Ranidae] from dung. Jul 2009. Malaysia.

9893 DA Henk (dahBR5). *Hylarana labialis* [Anura: Ranidae] from dung. Jul 2009. Malaysia.

9894 DA Henk (dahCH1). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.

9895 DA Henk (dahCH10). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.

9896 DA Henk (dahCH4). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.

9897 DA Henk (dahOWT1). *Bufo bufo* [Anura: Bufonidae] from dung. Jul 2009. United Kingdom: London, England.

9898 DA Henk (dahOWT2). *Bufo bufo* [Anura: Bufonidae] from dung. Jul 2009. United Kingdom: London, England.

9899 DA Henk (dahOWT3). *Bufo bufo* [Anura: Bufonidae] from dung. Jul 2009. United Kingdom: London, England.

9900 DA Henk (dahSAR2A). *Discoglossus* sp. [Anura: Discoglossidae] from dung. Jul 2009. Italy: Sardinia.

9901 DA Henk (dahSAR3A). *Discoglossus* sp. [Anura: Discoglossidae] from dung. Jul 2009. Italy: Sardinia.

9902 DA Henk (dahSAR4A). *Discoglossus* sp. [Anura: Discoglossidae] from dung. Jul 2009. Italy: Sardinia.

9903 DA Henk (dahT14). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.

9904 DA Henk (dahT53). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.

9905 DA Henk (dahT90). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.

9906 DA Henk (dahTF3). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.

9907 DA Henk (dahTF6). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.

9908 DA Henk (dahTF8). *Bufo bufo* [Anura: Bufonidae] from intestine. Jul 2009. United Kingdom: Cambridge, England.

9909 DA Henk (dahTPOO1). Tadpole, *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.

9910 DA Henk (dahU22). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.

9911 DA Henk (dahU71). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.

9912 DA Henk (dahU84). *Alytes* sp. [Anura: Discoglossidae] from dung. Jul 2009. United Kingdom: London, England.

Basidiobolus haptosporus Drechsler
[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae. Synonym: *Basidiobolus meristosporus* Drechsler. *B. haptosporus* is a probable synonym of *B. ranarum*.

> **Caution:** This species can cause human mycoses; most strains can be demonstrated to survive temperatures ≥37°C. Exercise caution to avoid inhalation of conidia or contact with cuts or abrasions.

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261 [NRRL 1232; RSA 228] RK Benjamin ← CW Emmons. 4-year-old male, *Homo sapiens* [Primates: Hominidae]. Rec'd Nov 1978. Indonesia.

262 [RSA 964] RK Benjamin. Oak leaf mold. 10 May 1960. USA: Rancho Santa Ana Botanical Garden, Claremont, California.

263 [RSA 1269] RK Benjamin. Lizard dung. 4 Apr 1963. Mexico: La Suerte, Baja California.

264 [RSA 2252] RK Benjamin. Soil under Fremontodendron. Sep 1976. USA: Rancho Santa Ana Botanical Garden, Claremont, California.

272 RK Benjamin ← CW Emmons (2505) ← Lie-Kian-Joe. *Homo sapiens* [Primates: Hominidae]. Rec'd Nov 1978. Indonesia. Human mycosis.

1347 S Balazy (1580b). [Diptera: Brachycera] attached to decayed wood in a brook. 11 Aug 1983. Poland: Wielkopolski National Park.

8307 B Huang (L051203L2). 3 Dec 2005. USA: Cornell Plantations, Ithaca, New York.

8309 B Huang (L060407A2). 7 Apr 2006. USA: Bebee Lake, Ithaca, New York.

Basidiobolus haptosporus* var. *minor Srinivasan & Thirumalachar
[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae

8331 [ATCC 16579; CBS 310.66; IMI 118287] MJ Thirumalacher. Rec'd 22 Nov 2007.

Basidiobolus heterosporus Srinivasan & Thirumalachar
[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae

8332 [ATCC 16580] Acc'd 23 Feb 2007.

Basidiobolus magnus Drechsler
[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae

8330 [ATCC 15379; CBS 205.64; NRRL 3734] C Drechsler. Rec'd 22 Nov 2006.

Basidiobolus meristosporus Drechsler
[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae

8329 [ATCC 14450; NRRL 3733] C Drechsler. Acc'd 21 Feb 2007.

Basidiobolus microsporus RK Benjamin
[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae

265 [RSA 962] RK Benjamin. Lizard dung. 5 Apr 1960. USA: 5 mi NW of Agua Caliente Hot Springs, San Diego County, California.

267 [RSA 982] RK Benjamin. Duff under debris outside packrat nest. 23 May 1960. USA: 10 mi W of Barstow, Iron Mountain, California.

268 [RSA 1737] RK Benjamin. Lizard dung. 6 May 1962. USA: 10 mi S of Weldon, el. 3000 ft, Kern County, California.

269 [RSA 2088] RK Benjamin. Rodent dung. 29 Jul 1974. USA: nr. Cajon Pass, San Bernardino County, California.

Basidiobolus ranarum Eidam
[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae. Possible synonyms: *Basidiobolus haptosporus* Drechsler, *Basisiobolus meristosporus* Drechsler.

Caution: Strains of this species may be able to grow at temperatures ≥37°C and may be regarded as potential mycotic agents for humans and other mammals. These strains should be safe in research and/or teaching laboratories with routine microbiological precautions; avoid inhalation of conidia or contact with open cuts or abrasions.

260 [RSA 334] RK Benjamin. Toad dung. 27 Apr 1954. USA: Rancho Santa Ana Botanical Garden, Claremont, California.

1139 M Shimazu (F-57). *Dendrolimus spectabilis* [Lepidoptera: Lasiocampidae]. Acc'd 3 Apr 1984. Japan: Saitama Prefecture.

2787 M Blackwell. Lizard dung. Acc'd 16 Aug 1989. USA: Baton Rouge, Louisiana.

5889 R Nelson (USF 50). Fecal pellet of frog *Eumeces inexpectatus*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5890 R Nelson (USF 56). Fecal pellet of frog *Cnemidophorus sexlineatus*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5891 R Nelson (USF 57). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5892 R Nelson (USF 70). Fecal pellet of frog *Scincella lateralis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5893 R Nelson (USF 71). Fecal pellet of frog *Scaphiopus holbrooki*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5894 R Nelson (USF 74). Fecal pellet of frog *Scincella lateralis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5895 R Nelson (USF 75). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5896 R Nelson (USF 76). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5897 R Nelson (USF 77). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5898 R Nelson (USF 78). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5899 R Nelson (USF 79). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5900 R Nelson (USF 80). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5901 R Nelson (USF 84). Fecal pellet of frog *Eumeces inexpectatus*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5902 R Nelson (USF 85). Fecal pellet of frog *Gastrophryne carolinensis*. Jul 1993. USA: University of South Florida Ecology Study Area, Tampa, Florida.

5903 R Nelson (USF 90). Isolated from soil sample. Aug 1993. USA: Tampa, Florida.

5904 R Nelson (USF SDI). Isolated from soil sample. Aug 1993. USA: University of South Florida Sundome, Tampa, Florida.

5905 R Nelson (USF SDII). Isolated from soil sample. Aug 1993. USA: University of South Florida Sundome, Tampa, Florida.

5906 R Nelson (USF 78MCZ-1). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5907 R Nelson (USF 78MCZ-2). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5908 R Nelson (USF 78MCZ-11). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5909 R Nelson (USF 78MCZ-15). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5910 R Nelson (USF 78MCZ-16). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5911 R Nelson (USF 78MCZ-18). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5912 R Nelson (USF 78MCZ-19). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5913 R Nelson (USF 78MCZ-20). Miconazole resistant single spore isolate from USF 78 [=ARSEF 5898]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5914 R Nelson (USF SD1MCZ-1). Miconazole resistant single spore isolate from USF SD1 [=ARSEF 5904]. Apr 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5915 R Nelson (USF 85Z1). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5916 R Nelson (USF 85Z2). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5917 R Nelson (USF 85Z3). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5918 R Nelson (USF 85Z4). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5919 R Nelson (USF 85Z5). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5920 R Nelson (USF 85Z6). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5921 R Nelson (USF 85Z11). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Sep 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5922 R Nelson (USF 85Z12). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5923 R Nelson (USF 85Z13). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5924 R Nelson (USF 85Z14). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5925 R Nelson (USF 85Z15). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5926 R Nelson (USF 85Z16). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5927 R Nelson (USF 85Z17). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5928 R Nelson (USF 85Z18). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5929 R Nelson (USF 85Z20). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5930 R Nelson (USF 85Z21). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5931 R Nelson (USF 85Z22). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5932 R Nelson (USF 85Z23). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5933 R Nelson (USF 85Z1Z1). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5934 R Nelson (USF 85Z1Z2). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5935 R Nelson (USF 85Z1Z3). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5936 R Nelson (USF 85Z1Z4). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5937 R Nelson (USF 85Z1Z5). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5938 R Nelson (USF 85Z1Z7). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5939 R Nelson (USF 85Z1Z8). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5940 R Nelson (USF 85Z1Z9). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5941 R Nelson (USF 85Z1Z10). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5942 R Nelson (USF 85Z1Z11). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5943 R Nelson (USF 85Z1Z12). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5944 R Nelson (USF 85Z1Z13). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5945 R Nelson (USF 85Z1Z14). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5946 R Nelson (USF 85Z1Z15). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5947 R Nelson (USF 85Z1Z16). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5948 R Nelson (USF 85Z1Z17). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5949 R Nelson (USF 85Z1Z19). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5950 R Nelson (USF 85Z19). Single zygospore culture from isolate USF 85 [=ARSEF 5902]. Jul 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

5951 R Nelson (USF 85Z1Z20). Single zygospore culture from isolate USF 85Z1 [=ARSEF 5915]. Nov 1996. USA: Laboratory manipulation, University of South Florida, Tampa, Florida.

6380 AA Callaghan (30) or (04 and 103). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.

6382 AA Callaghan (31) or (01 and 072). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Pasture, Staffordshire, Keele, England.

8308 B Huang (L060401C1). 1 Apr 2006. USA: near Maplewood Park, Ithaca, New York.

8328 [ATCC 14449] C Drechsler. Isolated from decaying plant residues. Acc'd 21 Feb 2007.

***Batkoa* sp.**
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

3131 K Hural (GF-3). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.

5810 RA Humber. [Coleoptera: Cantharidae]. 9 Aug 1998. Denmark.

6179 BJ Hicks (3). Larva, *Panolis flammea* [Lepidoptera: Noctuidae]. Jul 1998. United Kingdom: Dallas Forest, Moray District, Scotland.

6210 Rec'd 2 Jul 1999.

7370 AE Hajek (04 NY 9-1-1). Larva, *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 29 May 2004. USA: Saint Lawrence County, New York.

Batkoa apiculata (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. The nuclei of this taxon stain well and have granular contents when mounted in aceto-orcein or other nuclear stains. This fungus has a morphologically similar ancylistaceous fungus, *Conidiobolus pseudapiculatus* (q.v.), whose nuclei do not stain well and do not have granular contents.

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67 [IPLB 602] G Remaudière. *Myzus ascalonicus* [Homoptera: Aphididae]. 13 May 1975. France.

129 N Wilding (10). *Myzus persicae* [Homoptera: Aphididae] on potato. 11 Aug 1976. USA: Rogers Farm, Stillwater, Maine.

174 FR Holbrook. *Macrosiphum euphorbiae* [Homoptera: Aphididae] on potato. 7 Jul 1977. USA: Rogers Farm, Stillwater, Maine.

395 S Keller (35). Larva, [Hymenoptera]. 10 Aug 1976. Switzerland.

839 CSIRO (EM629) ← G Lutton. *Acyrthosiphon kondoi* [Homoptera: Aphididae] on lucerne "condura". 17 Jun 1981. Australia: nr. Cooma, Umerella Station, New South Wales.

919 [ARSEF 1661] S Keller (450). [Diptera: Sciaridae]. Nov 1982. Switzerland: Zürich.

927 [ARSEF 1660] S Keller (449). [Diptera: Sciaridae]. Nov 1982. Switzerland: Zürich.

1146 M Shimazu (F-382). *Brevicoryne brassicae* [Homoptera: Aphididae]. Acc'd 4 Apr 1984. Japan: Shizuoka Prefecture.

1660 [ARSEF 927] S Keller (449). [Diptera: Sciaridae]. Nov 1982. Switzerland: Zürich.

1661 [ARSEF 919] S Keller (450). [Diptera: Sciaridae]. Nov 1982. Switzerland: Zürich.

2504 J Eilenberg (KVL 29). *Acyrthosiphon pisum* [Homoptera: Aphididae]. Apr 1987. Denmark: Karlebo, Zeeland.

3080 SP Wraight. *Rhopalosiphum padi* [Homoptera: Aphididae]. 22 Jun 1990. USA: irrigated wheat field, Piedmont Organic Produce Farm, Wellington, Colorado.

3088 MG Feng (MTRM9001). *Rhopalosiphum maidis* [Homoptera: Aphididae] on late-sown spring grain crop. 31 Jul 1990. USA: Bozeman, Montana.

3091 MG Feng (MTRM9004). *Rhopalosiphum maidis* [Homoptera: Aphididae] on late-sown spring grain crop. 7 Aug 1990. USA: Bozeman, Montana.

3136 K Hural (Hoff-1). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.

3140 K Hural (Hoff-5). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.

3225 P Folker-Hansen (F and 040590). *Bradysia paupera* [Diptera: Sciaridae]. 4 May 1990. Denmark.

3226 P Folker-Hansen (I and 080990). *Bradysia paupera* [Diptera: Sciaridae]. 8 Sep 1990. Denmark.

5552 KT Hodge. Adult, [Homoptera: Cicadellidae]. 17 Sep 1997. McLean: Eames' Bog.

5994 C Nielsen (KVL 98-17). Alate, *Rhopalosiphum padi* [Homoptera: Aphididae] on *Prunus padus*. 25 Sep 1998. Denmark: Copenhagen, Zealand.

Batkoa gigantea (S Keller) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

214 S Keller (74). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd Spring 1978. Switzerland.

215 S Keller (75). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd Spring 1978. Switzerland.

403 [FPMI 768] S Keller (36). *Tipula paludosa* [Diptera: Tipulidae]. 8 Sep 1976. Switzerland.

Batkoa major (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

1427 RS Soper (84528-1). [Homoptera: Aphididae]. 28 May 1984. Yugoslavia: plum orchard, Zemun, Belgrade.

2936 H Firstencel. *Empoasca fabae* [Homoptera: Cicadellidae]. 5 Jan 1990. USA: laboratory colony, Ithaca, New York.

3102 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 13 Sep 1990. USA: Hoffman field # 6G, Catherine, New York.

3103 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 4 Sep 1990. USA: laboratory colony, Ithaca, New York.

Batkoa papillata(?) (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

7068 MM White (NF-7-W3a). [Diptera: Simuliidae]. Rec'd 16 Oct 2002. Canada: Newfoundland.

Batrachochytrium dendrobatidis Longcore, Pessier & Nichols
[Chytridiomycetes: Chytridiales]

7191 JE Longcore (L-197). 14 Sep 1997. USA: New York Zoological Park, Bronx, New York.

***Beauveria* sp.**
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Almost all strains listed here closely resemble *B. bassiana* (or *B. brongniartii*) but were not so identified because of small (and possibly insignificant) differences in conidia size and/or shape.

32 JE Henry. [Orthoptera: Acrididae]. 12 Jul 1973. USA: Montana.

547 VA Dyck. *Pachybrachis pallicornis* [Coleoptera: Chrysomelidae]. Acc'd 17 Sep 1986. Malaysia.

590 JM Lenné. *Mocis* sp. [Lepidoptera: Noctuidae]. Rec'd 13 Apr 1981. Colombia: Carimagua.

1040 J Aoki (Beau. 2) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Suginami, Tokyo Prefecture. Identification verified genomically.

1195 TJ Poprawski (001). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 18 May 1983. Italy: Vetralla, Lazio.

1196 TJ Poprawski (002). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.

1197 TJ Poprawski (004). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.

1198 TJ Poprawski (005). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.

1199 TJ Poprawski (013). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Manciano, Toscana.

1200 TJ Poprawski (014). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Manciano, Toscana.

1201 TJ Poprawski (023). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.

1202 TJ Poprawski (024). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.

1203 TJ Poprawski (025). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.

1204 TJ Poprawski (026). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.

1205 TJ Poprawski (027). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.

1206 TJ Poprawski (028). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.

1207 TJ Poprawski (030). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.

1208 TJ Poprawski (034). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Piancastagnaio, Toscana.

1209 TJ Poprawski (035). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 22 May 1983. Italy: Acquapendente, Lazio.

1210 TJ Poprawski (037). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.

1211 TJ Poprawski (038). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.

1213 TJ Poprawski (046). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.

1214 TJ Poprawski (047). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.

1215 TJ Poprawski (049). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.

1216 TJ Poprawski (050). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.

1218 TJ Poprawski (051). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.

1219 TJ Poprawski (052). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.

1220 TJ Poprawski (057). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.

1221 TJ Poprawski (059). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.

1222 TJ Poprawski (060). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.

1224 TJ Poprawski (061). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.

1327 TJ Poprawski (082). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1983. France: Saint-Laurent, Vosges.

1681 M Shimazu (F-333). *Shirahoshizo insidiosus* [Coleoptera: Curculionidae]. 27 Jan 1982. Japan: Takao, Tokyo Prefecture.

1682 M Shimazu (F-357(11)). *Anomala cuprea* [Coleoptera: Scarabaeidae]. 20 Nov 1980. Japan: Nagano Prefecture.

1835 SB Alves (295). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 21 Jan 1985. Brazil.

1886 H David. *Chilo infuscatellus* [Lepidoptera: Pyralidae] on sugar cane. Rec'd 1 Jun 1985. India: Sugarcane Breeding Institute, Coimbatore, Tamil Nadu.

2164 BN Muthappa (PNG 12723). [Homoptera: Membracidae]. Rec'd 12 May 1986. Papua New Guinea.

2412 K Narayanan (9). *Xyloryctes jamaicensis* [Coleoptera: Scarabaeidae]. Acc'd 6 May 1987. India.

2998 CBS (607.80) ← HC Evans. Larva, [Lepidoptera]. Rec'd 22 May 1990. Ecuador.

3289 J Gutierrez Samperio (5) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.

3510 I Quintela (VL1). Rec'd 13 Dec 1991. Location not specified.

3859 [JB Tavares BRA-000027] MS Tigano-Milani (CG-76#1). *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 13 Jan 1993. Brazil.

3929 DR Sosa-Gómez (CNPSo-Bb48). Host not specified. Rec'd Jun 1993. Location not specified. Hybrid? of ARSEF: 944 & 933.

3936 DR Sosa-Gómez (CNPSo-Bb56). Host not specified. Rec'd Jun 1993. Location not specified. Hybrid? of ARSEF 944& 933.

4027 T Steenberg (231) ← CW Riedel. *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Nov 1990. Denmark: Slangerup, Zealand.

4197 LA Lacey (94015). [Orthoptera: Acrididae]. Rec'd 12 May 1994. Russian Federation.

4254 [DAT 105] AC Rath (F105). Soil. 14 Jan 1988. Australia: Big Plains, Benham Estate, Avoca, Tasmania. May be a NEW SPECIES. Conidia oviod/drop-shped to elongate. Conidiogenous cells mostl elongate with very contorted and thick rachis. Very unusual.

4364 LA Lacey (94129). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4365 LA Lacey (94130). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4390 LA Lacey (94132). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.

4391 LA Lacey (94133). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.

4392 LA Lacey (94134). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.

4393 LA Lacey (94111). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4394 LA Lacey (94112). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4395 LA Lacey (94113). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4396 LA Lacey (94114). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4397 LA Lacey (94115). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4853 JM Sung (C-332). Adult, [Coleoptera: Coccinellidae]. Jul 1994. Republic of Korea: KNU experiment Forest, Kangwon National University.

4909 LA Lacey (95011). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.

4910 LA Lacey (95012). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.

4911 LA Lacey (95013). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.

4912 LA Lacey (95014). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.

4913 LA Lacey (95015). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.

4914 LA Lacey (95016). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.

4915 LA Lacey (95017). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.

4916 LA Lacey (95018). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.

4917 LA Lacey (95019). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.

4918 LA Lacey (95020). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.

4920 LA Lacey (95022). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

5078 SR Booth (Quinby; BSP). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 17 Jan 1994. USA: Cranberry bog, Grayland, Washington.

5174 S Gouli (GA-86). [Araneida: Araneae]. 24 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.

5186 S Gouli (GA-96). [Coleoptera: Lampyridae]. 2 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.

5187 S Gouli (GA-97). [Araneida: Araneae]. 1 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.

5622 I Vänninen (SF85-2). Larva, *Tribolium castaneum* [Coleoptera: Tenebrionidae] as bait from soil. 18 Jul 1985. Finland: Pernaja.

5678 BL Parker (SPT-020). [Coleoptera: Coccinellidae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.

5686 BL Parker (SPT-101). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Jan 1998. Turkey: Belen, Gaziantep.

5697 JM Sung (KEFC-1105). [Coleoptera]. 28 Jun 1997. Republic of Korea: Mt. Gyaeryong, Chungnam Province.

5831 BL Parker (SPT 003). [Coleoptera]. 17 Jan 1998. Turkey: Karabiyikli, Narli, Kahraman Maras.

5832 BL Parker (SPT 11(a)). [Lepidoptera]. 18 Jan 1998. Turkey: Hursit Mt., Gaziantep, Gaziantep.

5833 BL Parker (SPT 013/1). [Coleoptera: Coccinellidae]. 18 Jan 1998. Turkey: Hursit Mt., Gaziantep, Gaziantep.

6533 FE Vega (EBCL 99076). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Bulachauri.

6534 FE Vega (EBCL 99077). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Bulachauri.

6535 FE Vega (EBCL 99080). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Breti.

6536 FE Vega (EBCL 99085). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Breti.

6537 FE Vega (EBCL 99088). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Lagodekhi.

6691 [Araneida: Araneae]. Rec'd 17 Jan 2001. Ethiopia: Gusquam.

7079 KT Hodge (PR32). Edges of cocoon on underside of leaf, *Fabaceae*. 6 Jul 2002. USA: El Yunque, Caribbean National Forest, Tradewinds Trail, Río Grande Municipio, Puerto Rico.

7463 [CEP 061] C López Lastra. [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 13 Jul 2004. Argentina: San Vicente, Buenos Aires.

7562 I Klingen (NCRI 225/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.

7563 I Klingen (NCRI 226/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.

7564 I Klingen (NCRI 228/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.

7565 I Klingen (NCRI 229/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.

7566 I Klingen (NCRI 235/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.

7567 I Klingen (NCRI 236/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.

7579 [SRCAMB B-3/3] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps* sp. Sep 2001. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-289.

7580 [SRCAMB B-22] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Elateridae] Isolated from stroma of *Cordyceps* sp. 28 Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-172.

7582 [SRCAMB B-28] V Likhovidov ← BA Borisov. [Araneida] Isolated from fungal stroma. 30 Aug 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-201.

7584 [SRCAMB B-37/1] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta Isolated from synnema. Sep 2001. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-171.

7586 [SRCAMB B-44] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps chichibuensis*. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-170.

7587 [SRCAMB VL-64] V Likhovidov. Pupa, [Lepidoptera]. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-177.

7588 [SRCAMB B-95] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-203.

7589 [SRCAMB B-160] V Likhovidov ← BA Borisov. *Apis mellifera* [Hymenoptera: Apidae]. Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-175.

7591 [SRCAMB B-182] V Likhovidov ← BA Borisov. [Coleoptera: Coccinellidae]. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-173.

7594 [SRCAMB B-301] V Likhovidov ← BA Borisov. Larva, [Lepidoptera] Isolated from stroma of *Cordyceps variegata*. . 11 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-321.

7595 [SRCAMB B-405] V Likhovidov ← BA Borisov. [Coleoptera]. Oct 1990. Ukraine: Kherson Oblast. Field Collection Number F-207.

7597 [SRCAMB VL-911] V Likhovidov. *Formica rufa* [Hymenoptera: Formicidae]. Aug 2002. Russian Federation: Galichya Gora Nature Reserve, Lipetsk Oblast. Field Collection Number F-176.

7598 [SRCAMB VL-1040/2] V Likhovidov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps takaomontana*. 6 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-174.

7960 LA Lacey (3A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Mile 300, burned area, Alaska. 66°37'47" N, 150°40'34" W.

7982 [CENARGEN CG 725] Rec'd 29 Mar 2006. Boveril commercial product from Itaforte BioProdutos, Brazil. **RESTRICTED ACCESS:** *consult Curator*.

8110 LS Bauer and H Liu (MF-101). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 3 Mar 2003. USA: Northville, Michigan.

8111 LS Bauer and H Liu (MF-102). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 3 Mar 2003. USA: Northville, Michigan.

8112 LS Bauer and H Liu (MF-201). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 4 Dec 2005. USA: Brighton, Michigan.

8113 LS Bauer and H Liu (MF-202). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.

8116 LS Bauer and H Liu (MF-205). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.

8117 LS Bauer and H Liu (MF-206). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.

8119 LS Bauer and H Liu (MF-209). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 23 Jan 2006. USA: Brighton, Michigan.

8120 LS Bauer and H Liu (MF-210). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 23 Jan 2006. USA: Brighton, Michigan.

8121 LS Bauer and H Liu (MF-211). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 23 Jan 2006. USA: Brighton, Michigan.

8122 LS Bauer and H Liu (MF-212). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 23 Jan 2006. USA: Brighton, Michigan.

8123 LS Bauer and H Liu (MF-213). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 16 Dec 2005. USA: Brighton, Michigan.

8124 LS Bauer and H Liu (MF-214). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 2 Feb 2006. USA: Brighton, Michigan.

8125 LS Bauer and H Liu (MF-215). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 5 Mar 2006. USA: Brighton, Michigan.

8126 LS Bauer and H Liu (MF-216). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 5 Mar 2006. USA: Brighton, Michigan.

8127 LS Bauer and H Liu (MF-217). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 5 Mar 2006. USA: Brighton, Michigan.

8128 LS Bauer and H Liu (MF-218). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 5 Mar 2006. USA: Brighton, Michigan.

8129 LS Bauer and H Liu (MF-219). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 5 Mar 2006. USA: Brighton, Michigan.

8130 LS Bauer and H Liu (MF-220). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 1 Dec 2005. USA: Ann Arbor, Michigan.

8132 LS Bauer and H Liu (MF-222). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 1 Dec 2005. USA: Ann Arbor, Michigan.

8133 LS Bauer and H Liu (MF-223). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 1 Dec 2005. USA: Ann Arbor, Michigan.

8134 LS Bauer and H Liu (MF-224). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 1 Dec 2005. USA: Ann Arbor, Michigan.

8135 LS Bauer and H Liu (MF-225). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 1 Dec 2005. USA: Ann Arbor, Michigan.

8136 LS Bauer and H Liu (MF-226). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 1 Dec 2005. USA: Ann Arbor, Michigan.

8137 LS Bauer and H Liu (MF-227). Pre-pupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 1 Dec 2005. USA: Ann Arbor, Michigan.

8138 LS Bauer and H Liu (MF-228). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 9 Jan 2006. USA: Ann Arbor, Michigan.

8139 LS Bauer and H Liu (MF-229). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 12 Dec 2005. USA: Ann Arbor, Michigan.

8140 LS Bauer and H Liu (MF-231). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8141 LS Bauer and H Liu (MF-232). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8143 LS Bauer and H Liu (MF-234). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8144 LS Bauer and H Liu (MF-235). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8145 LS Bauer and H Liu (MF-236). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8146 LS Bauer and H Liu (MF-237). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8147 LS Bauer and H Liu (MF-238). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8148 LS Bauer and H Liu (MF-239). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8149 LS Bauer and H Liu (MF-240). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8150 LS Bauer and H Liu (MF-241). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8151 LS Bauer and H Liu (MF-242). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8152 LS Bauer and H Liu (MF-243). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8153 LS Bauer and H Liu (MF-244). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8154 LS Bauer and H Liu (MF-245). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8156 LS Bauer and H Liu (MF-247). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8158 LS Bauer and H Liu (MF-249). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8159 LS Bauer and H Liu (MF-250). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8160 LS Bauer and H Liu (MF-251). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 10 Aug 2006. USA: Brighton, Michigan.

8161 LS Bauer and H Liu (MF-252). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Ann Arbor, Michigan.

8164 LS Bauer and H Liu (MF-255). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Ann Arbor, Michigan.

8166 LS Bauer and H Liu (MF-258). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Ann Arbor, Michigan.

8167 LS Bauer and H Liu (MF-259). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Ann Arbor, Michigan.

8168 LS Bauer and H Liu (MF-260). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Ann Arbor, Michigan.

8169 LS Bauer and H Liu (MF-261). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Ann Arbor, Michigan.

8170 LS Bauer and H Liu (MF-263). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8171 LS Bauer and H Liu (MF-264). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8172 LS Bauer and H Liu (MF-265). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8173 LS Bauer and H Liu (MF-266). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8174 LS Bauer and H Liu (MF-267). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8175 LS Bauer and H Liu (MF-268). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8176 LS Bauer and H Liu (MF-270). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8177 LS Bauer and H Liu (MF-271). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8178 LS Bauer and H Liu (MF-272). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 10 Aug 2006. USA: Lansing, Michigan.

8180 LS Bauer and H Liu (MF-274). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8181 LS Bauer and H Liu (MF-276). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8182 LS Bauer and H Liu (MF-279). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8185 LS Bauer and H Liu (MF-283). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8186 LS Bauer and H Liu (MF-284). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8187 LS Bauer and H Liu (MF-285). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8188 LS Bauer and H Liu (MF-286). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Summer 2006. USA: Lansing, Michigan.

8250 P Narayanasamy. Adult, *Basilepta fulvicornis* [Coleoptera: Chrysomelidae] on *Elettaria cardamomum* (L.) Maton, cardamom crop. 30 Aug 2006. India: Tamil Nadu.

8675 Z Demirbag (KTU-64). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüshane.

9272 Z Demirbag and E Tanyeli (Dm-6). *Dendroctonus micans* [Coleoptera: Scolytidae]. 24 Oct 2008. Turkey: Maçka-Zigana, Trabzon.

9335 [ERL 1635] S Gouli (Thr-08-B/6) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9336 [ERL 1636] S Gouli and V Gouli (Thr-08-B/7). Isolated from soil sample. 2008. USA: Vermont.

9337 [ERL 1637] S Gouli (Thr-08-B/8) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9338 [ERL 1638] S Gouli and V Gouli (Thr-08-B/9). Isolated from soil sample. 2008. USA: Vermont.

9339 [ERL 1639] S Gouli (Thr-08-B/10) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9340 [ERL 1640] S Gouli and V Gouli (Thr-08-B/11). Isolated from soil sample. 2008. USA: Vermont.

9341 [ERL 1641] S Gouli (Thr-08-B/12) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9342 [ERL 1642] S Gouli and V Gouli (Thr-08-B/13). Isolated from soil sample. 2008. USA: Vermont.

9343 [ERL 1643] S Gouli (Thr-08-B/14) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9344 [ERL 1644] S Gouli and V Gouli (Thr-08-B/15). Isolated from soil sample. 2008. USA: Vermont.

9596 X Zou (3). Larva, [Lepidoptera]. Rec'd 19 Jan 2010. PR China: Guizhou Province.

Beauveria amorpha (von Hoehnel) Minnick, SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Replaces B. amorpha (von Hoehnel) Samson & Evans.

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656 DW Roberts (101481-5). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae]. 14 Oct 1981. PR China: Hunan.

1676 M Shimazu (F-77). *Anomala costata* [Coleoptera: Scarabaeidae]. 11 Oct 1971. Japan: Daimon, Nagano Prefecture.

1680 M Shimazu (F-313). *Psacothea hilaris* [Coleoptera: Cerambycidae]. Oct 1981. Japan: Takao, Tokyo Prefecture.

1969 KV Raman. *Premnotrypes suturicallus* [Coleoptera: Curculionidae]. 1985. Peru: Andes Mountains. Identification verified genomically.

2641 DW Roberts ← SB Alves (621). *Solenopsis* sp. [Hymenoptera: Formicidae]. Rec'd 23 Nov 1988. Brazil: Alambari, São Paulo. Identification verified genomically.

4149 [DAT 142] AC Rath (F142). Pre-pupa, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 23 Jun 1989. Australia: Glen Morey, Woodbury, Tasmania. Identification verified genomically.

4990 LA Lacey (95048). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.

6227 [RCEF 0288] [Lepidoptera]. 13 May 1997. PR China: Anhui.

6376 WK Reeves. [Orthoptera: ?Gryllacrididae]. 1 Dec 1999. USA: Rich Mountain Blowhole Cave, Blount County, Tennessee.

6577 WK Reeves. [Orthoptera: ?Gryllacrididae]. Rec'd 18 Aug 2000. USA: Rich Mountain Blowhole Cave, Blount County, Tennessee.

7542 BJ Cole (C33). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 7437. Summer 2004. USA: Mesa County, Colorado. Identification verified genomically.

Beauveria amorpha(?) (van Hoehnel) Samson & HC Evans
[Sordariomycetes: Hypocreales]
Cordycipitaceae

6827 TL Dubois (WU 20 (2)). *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 25 Jul 2000. PR China: Wuhe, Anhui.

Beauveria asiatica SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Defined primarily by genotypic characters

4384 LA Lacey (94135). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou. Identification verified genomically.

4474 LA Lacey (94152). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou. Identification verified genomically.

4850 JM Sung (C-322). Adult, longicorn. 14 Jul 1994. Republic of Korea: Chiag Mt., Kangwon-do. EX-TYPE ISOLATE; species defined by genomic characters.

Beauveria australis SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Defined primarily by genotypic characters

4580 [DAT 460] AC Rath (F460). [Orthoptera: Acrididae]. Rec'd 1 Sep 1994. Australia: Tasmania. Identification verified genomically.

4598 [DAT 308] AC Rath (F308) ← H Yip (HY51). Soil. 18 Feb 1988. Australia: Benham, Avoca, Tasmania. EX-TYPE ISOLATE; species defined by genomic characters.

4622 [DAT 459] AC Rath (F459). [Orthoptera: Acrididae]. Rec'd 1 Sep 1993. Australia: Tasmania. Identification verified genomically.

Beauveria bassiana (Balsamo-Crivelli) Vuillemin
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Beauveria densa* (Link:Fries) Picard

1 [ATCC 24318] 1st instar larva, *Malacosoma americanum* [Lepidoptera: Lasiocampidae] on *Prunus maritima*. 18 Apr 1972. USA: Chapin Beach, Dennis, Massachusetts.

149 M Wojciechowska (28). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 18 Jul 1977. France.

150 M Wojciechowska (24). [Coleoptera: Elateridae]. Rec'd 18 Jul 1977. France.

151 M Wojciechowska (17). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 18 Jul 1977. France.

152 M Wojciechowska (310-76). *Pamphilius betulae* [Hymenoptera: Pamphiliidae]. Rec'd 18 Jul 1977. Commonwealth of Independent States.

153 M Wojciechowska (2-72). *Chrysopa* sp. [Neuroptera: Chrysopidae]. Rec'd 18 Jul 1977. Commonwealth of Independent States.

154 M Wojciechowska (51-75). *Pamphilius betulae* [Hymenoptera: Pamphiliidae]. Rec'd 18 Jul 1977. Commonwealth of Independent States.

155 M Wojciechowska (75-67). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 18 Jul 1977. Commonwealth of Independent States.

156 M Wojciechowska (1092). [Hymenoptera: Ichneumonidae] parasitic on lepidopteran. Rec'd 18 Jul 1977. Poland.

157 M Wojciechowska (1110). *Anthicus floralis* [Coleoptera: Anthicidae]. Rec'd 18 Jul 1977. Poland.

158 M Wojciechowska (N-2). Soil. Rec'd 18 Jul 1977. Poland.

159 M Wojciechowska (70). Rec'd 18 Jul 1977. Czech Republic.

160 M Wojciechowska (72). Rec'd 18 Jul 1977. Czech Republic.

201 JD Vandenberg. *Diabrotica undecimpunctata* [Coleoptera: Chrysomelidae] on greenbeans. 22 Oct 1977. USA: greenhouse, Corvallis, Oregon. Mycotech's GHA (US Patent 5,939,065; 17 Aug 1999), the active ingredient in Mycotrol products, is a reisolate of this strain.

220 Boverin formulation. Rec'd Jun 1978. Commonwealth of Independent States.

252 C Madore. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 14 Sep 1978. USA: greenhouse, Orono, Maine.

275 Single spore reisolate of ARSEF 252. 4 Dec 1978. Laboratory manipulation.

276 Single spore reisolate of ARSEF 252. 4 Dec 1978. Laboratory manipulation.

277 Single spore reisolate of ARSEF 252. 4 Dec 1978. Laboratory manipulation.

278 Single spore reisolate of ARSEF 252. 4 Dec 1978. Laboratory manipulation.

279 Single spore reisolate of ARSEF 252. 4 Dec 1978. Laboratory manipulation.

280 Single spore reisolate of ARSEF 252. 4 Dec 1978. Laboratory manipulation.

281 Single spore reisolate of ARSEF 252. 4 Dec 1978. Laboratory manipulation.

282 Single spore reisolate of ARSEF 252. 4 Dec 1978. Laboratory manipulation.

283 DW Roberts ← O Alyoshina. Single spore reisolate of Boverin formulation. 2 Dec 1978. Commonwealth of Independent States.

284 DW Roberts (N-2) ← O Alyoshina. Single spore reisolate of Boverin formulation. Apr 1978. Commonwealth of Independent States.

285 DW Roberts (1110) ← O Alyoshina. Single spore reisolate of Boverin formulation. Apr 1978. Commonwealth of Independent States.

286 DW Roberts (BSS-1) ← O Alyoshina. Single spore reisolate of Boverin formulation. Apr 1978. Commonwealth of Independent States.

287 DW Roberts (BSS-2) ← O Alyoshina. Single spore reisolate of Boverin formulation. Apr 1978. Commonwealth of Independent States.

288 DW Roberts (BSS-3) ← O Alyoshina. Single spore reisolate of Boverin formulation. Apr 1978. Commonwealth of Independent States.

289 DW Roberts (BSS-4) ← O Alyoshina. Single spore reisolate of Boverin formulation. Apr 1978. Commonwealth of Independent States.

290 DW Roberts (BSS-5) ← O Alyoshina. Single spore reisolate of Boverin formulation. Apr 1978. Commonwealth of Independent States.

291 DW Roberts (3T) ← O Alyoshina. Single spore reisolate of Boverin formulation. Apr 1978. Commonwealth of Independent States.

292 DW Roberts ← O Alyoshina. Single spore reisolate of Boverin formulation. Apr 1978. Commonwealth of Independent States.

293 DW Roberts ← CW McCoy. [Coleoptera]. Acc'd 4 Jan 1979. Location not specified.

295 DW Roberts ← CW Emmons. 2 Nov 1978. Location not specified.

296 DW Roberts (CLB-2) ← E West-Davidson. 1967. USA: Ohio State University, Ohio.

299 RC Hedlund. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1978. Rumania: 1 km W of Pasarea on Rt. 3, Pasarea, Munteniae.

300 RS Soper. *Nysius vinitor* [Hemiptera: Lygaeidae] on sunflower. 17 Jan 1979. Australia: Tamworth, New South Wales. Identification verified genomically.

301 DW Roberts ← B Schaerffenberg. [Coleoptera]. Acc'd 23 Mar 1979. Poland.

302 DW Roberts (Bbass-2) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. 1967. Japan.

303 DW Roberts (Bbass-3) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. 1967. Japan.

304 DW Roberts (Bbass-4) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. 1967. Japan.

305 DW Roberts (Bbass-5) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. 1967. Japan.

306 DW Roberts (SG-8). Acc'd Apr 1979. USA: Ohio.

307 DW Roberts (SH-8). Acc'd Mar 1979. USA: Ohio.

308 DW Roberts (I FAR) ← K Kawakami. Acc'd Mar 1979. Japan.

317 RA LeBrun. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 27 Feb 1979. USA: Rhode Island.

318 RA LeBrun. [Coleoptera: Cerambycidae]. Rec'd 27 Feb 1979. USA: Rhode Island.

319 RA LeBrun. [Coleoptera: Cerambycidae]. Rec'd 27 Feb 1979. Mexico.

320 GR Buckingham. *Mesovelia mulsanti* [Hemiptera: Mesoveliidae]. Dec 1978. USA: Gainesville, Florida.

325 [CSIRO FI49] RS Soper. [Coleoptera: Nitidulidae] on maize. 14 Feb 1979. Australia: Atherton, Queensland.

326 [CSIRO FI50] RS Soper ← R Teakle (M-168). *Chilo plejadellus* [Lepidoptera: Pyralidae]. Acc'd 26 Mar 1979. Australia: Brisbane, Queensland.

333 DW Roberts (SG-(G)) or (2A2-B(b)) ← B Schaerffenberg. Single spore reisolate of ARSEF 301. 1970. Poland.

334 DW Roberts (SG-(F)) or (2A3-B(a)) ← B Schaerffenberg. Single spore reisolate of ARSEF 301. 1970. Poland.

335 DW Roberts (SG-(G)) or (2B2-A) ← B Schaerffenberg. Single spore reisolate of ARSEF 301. 1970. Poland.

336 C Russel. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. 25 Aug 1978. USA: Georgia.

337 C Russel. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. 25 Aug 1978. USA: Georgia.

338 T Nash (MIT1). *Diprion pini* [Hymenoptera: Diprionidae]. 21 Jun 1978. Location not specified.

340 DW Roberts ← G Zimmermann. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 1965. Germany: Darmstadt, Hesse.

344 J Lindegren. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Feb 1979. USA: Yakima, Washington.

350 IM Abalis. [Coleoptera]. Acc'd 8 Jun 1979. USA: Ithaca, New York.

353 C Gordon. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. May 1978. USA: laboratory colony, Orono, Maine.

356 [CSIRO FI51] RS Soper (Bb-1). [Orthoptera: Acrididae]. 31 Jan 1979. Australia: Armidale, New South Wales.

357 RS Soper (Bb-2). [Orthoptera: Acrididae]. 31 Jan 1979. Australia: Armidale, New South Wales.

384 INRA. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd Sep 1979. France.

412 CW McCoy. *Diaprepes abbreviata* [Coleoptera: Curculionidae]. 27 Jul 1979. USA: Apopka, Florida.

413 CW McCoy. *Araecerus fasciculatus* [Coleoptera: Anthribidae]. 8 May 1979. USA: Fruitland Park, Florida.

416 CW McCoy. *Diaprepes abbreviata* [Coleoptera: Curculionidae]. 20 Jul 1979. USA: Apopka, Florida.

433 *Diaprepes abbreviata* [Coleoptera: Curculionidae]. 14 Jan 1980. Location not specified.

474 C Bajan. Rec'd May 1980. Poland.

477 RA Daoust (Bb-Z1). *Zulia entreriana* [Homoptera: Cercopidae]. 26 Jan 1980. Brazil: Mato Grosso do Sul, Mato Grosso.

501 RL Jones. Larva, *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Rec'd 11 Aug 1980. PR China.

502 RL Jones. Larva, *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Rec'd 11 Aug 1980. PR China.

503 RA Humber and RS Soper. Larva, *Carpocapsa pomonella* [Lepidoptera: Olethreutidae] on pear. 12 Aug 1980. Yugoslavia: orchard nursery nr. Zabari, Zabari, Serbia.

504 RS Soper. [Coleoptera: Chrysomelidae]. 12 Aug 1980. Yugoslavia: orchard behind bus station, Zabari, Serbia.

505 RA Humber. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 14 Aug 1980. Yugoslavia: potato field at road marker 119 on M22, nr. Srbobran.

506 RA Humber and RS Soper. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] on potato. 14 Aug 1980. Yugoslavia: road marker 82 on M22, nr. Srbobran, Freketic.

507 C Sidor and RS Soper. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] on potato. 16 Aug 1980. Yugoslavia: between Putnici and Indjija.

509 C Sidor. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] on potato. 18 Aug 1980. Yugoslavia: nr. Varazdin by transformer in field, Nedeljanec, Croatia.

510 RA Humber and RS Soper. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] on potato. 26 Aug 1980. Yugoslavia: Forestry Inst. Nursery, E of Pec, nr. Crno Brdo.

533 RL Jones. *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Rec'd 11 Aug 1980. PR China.

534 MG Ward. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd Oct 1980. USA: established laboratory colony, Boyce Thompson Institute, Ithaca, New York.

535 MG Ward. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd Oct 1980. USA: newly established laboratory colony, Boyce Thompson Institute, Ithaca, New York.

536 MG Ward. Leaf wash. Rec'd Sep 1980. USA: ARSEF 252 spray plot, Agway Research Farm, Tully, New York.

560 RS Soper (8132). *Leptocoris* sp. [Hemiptera: Rhopalidae]. 2 Mar 1981. Indonesia: SE of Mataram, Lombok Island.

566 RS Soper (81226-3). *Leptocoris* sp. [Hemiptera: Rhopalidae]. 26 Feb 1981. Indonesia: N of Yogyakarta, Sleman District, Yogyakarta, Java.

652 DW Roberts (101981-1). *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Acc'd 12 Mar 1982. PR China: Beijing.

654 DW Roberts (102081-2). *Nilaparvata lugens* [Homoptera: Delphacidae]. 20 Oct 1981. PR China: Wuhan, Hupei.

679 DW Roberts (102081-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 20 Oct 1981. PR China: Wuhan, Hupei.

681 EA Grula ← O Alyoshina. Boverin formulation. Rec'd 1982. Commonwealth of Independent States.

708 L Hung-Kei (A). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae]. 1981. PR China.

709 L Hung-Kei (E). *Nilaparvata lugens* [Homoptera: Delphacidae]. 1981. PR China.

714 DW Roberts (102181-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.

717 RS Soper. *Nilaparvata lugens* [Homoptera: Delphacidae]. 11 Nov 1981. PR China: Wuhan, Hupei.

718 RS Soper. *Bombyx mori* [Lepidoptera: Bombycidae]. 11 Nov 1981. PR China: Hangzhou, Zhijiang.

719 RS Soper. *Nilaparvata lugens* [Homoptera: Delphacidae]. 11 Nov 1981. PR China: Wuhan, Hupei.

721 TB Clark. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Feb 1982. Colombia: ?CIAT, Cali, Valle del Cauca.

730 [CNPAF 81-11-25-01; CP 1] RA Daoust. Adult, [Hymenoptera: Vespidae]. 25 Nov 1981. Brazil: Costa do Arapapa, Amazonas.

731 [CNPAF 81-11-25-05; CP 5] RA Daoust. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 25 Nov 1981. Brazil: Costa do Surubin, Cristo Rei, Amazonas.

732 [CNPAF 81-11-25-07; CP 6] RA Daoust. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 25 Nov 1981. Brazil: Costa do Surubin, Cristo Rei, Amazonas.

733 [CNPAF 82-1-6-01; CP 7] RA Daoust. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. 6 Jan 1982. Brazil: CNPAF, Goiânia, Goiás.

734 [CNPAF 82-1-6-03; CP 9] RA Daoust ← G Pereira Rios. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. 6 Jan 1982. Brazil: CNPAF, Goiânia, Goiás.

735 [CNPAF 82-1-15-02; CP 14] RA Daoust. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. Jan 1982. Brazil: CNPAF, Goiânia, Goiás.

736 [CNPAF 82-1-6-04; CP 10] RA Daoust ← G Pereira Rios. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. 6 Jan 1982. Brazil: CNPAF, Goiânia, Goiás.

737 [CNPAF 82-1-26-01; CP 20] RA Daoust ← E Ferreira. [Hemiptera: Pentatomidae]. 26 Jan 1982. Brazil: CNPAF, Goiânia, Goiás.

738 [CNPAF 82-2-9-01; CP 23] RA Daoust. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. 9 Feb 1982. Brazil: CNPAF, Goiânia, Goiás.

739 [CNPAF 82-2-3-01; CP 27] RA Daoust. *Diabrotica paranaensis* [Coleoptera: Chrysomelidae]. 3 Feb 1982. Brazil: CNPAF, Goiânia, Goiás.

751 P Jolivet. [Coleoptera: Chrysomelidae]. Apr 1982. Vietnam: Cuc Phuong Forest. Identification verified genomically.

752 [CNPAF 82-2-15-01; CP 34] RA Daoust. *Diabrotica paranaensis* [Coleoptera: Chrysomelidae]. Feb 1982. Brazil: CNPAF, Goiânia, Goiás.

753 [CNPAF 82-3-24-01; CP 36] RS Soper. *Aracanthus* sp. [Coleoptera: Curculionidae]. 24 Mar 1982. Brazil: Brejo Santo, Ceará.

754 [CNPAF 82-4-4-01; CP 38] RA Daoust. [Coleoptera]. 4 Apr 1982. Brazil: CNPAF, Goiânia, Goiás.

756 [CNPAF 81-11-25-04; CP 4] RA Daoust. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 25 Nov 1981. Brazil: Costa do Surubin, Cristo Rei, Amazonas.

757 [CNPAF 82-3-23-01; CP 35] RA Daoust. [Coleoptera: Tenebrionidae]. 23 Mar 1982. Brazil: Missão Velha, Ceará.

758 [CNPAF 82-3-1-03; CP 29] RA Daoust. *Diabrotica paranaensis* [Coleoptera: Chrysomelidae]. 1 Mar 1982. Brazil: CNPAF, Goiânia, Goiás.

783 [CNPAF 82-5-6-02; CP 59] RA Daoust ← JPP de Araújo. Adult, [Coleoptera: Tenebrionidae]. 6 May 1982. Brazil: Barbalha, Ceará.

784 [CNPAF 82-4-30-01C; CP 47] RA Daoust and JPP de Araújo. Adult, [Coleoptera: Elateridae]. 30 Apr 1982. Brazil: Novo Oriente, Ceará.

785 [CNPAF 82-4-29-01; CP 46] RA Daoust. Adult, [Coleoptera: Cerambycidae]. 29 Apr 1982. Brazil: Caucaia, Ceará.

786 [CNPAF 82-5-3-03B; CP 51] RA Daoust and FE de Araújo. *Crimissa* sp. [Coleoptera: Chrysomelidae]. 3 May 1982. Brazil: 20 km N of Pacajus, Ceará.

787 [CNPAF 82-5-6-01; CP 58] RA Daoust ← JPP de Araújo. Adult, [Coleoptera: Tenebrionidae]. 6 May 1982. Brazil: Barbalha, Ceará.

788 [CNPAF 82-5-3-03A; CP 50] RA Daoust and FE de Araújo. *Crimissa* sp. [Coleoptera: Chrysomelidae]. 3 May 1982. Brazil: 20 km N of Pacajus, Ceará.

792 [KSU RLCO] WA Ramoska. Adult, *Blissus leucopterus* [Hemiptera: Lygaeidae]. Summer 1981. USA: Riley County, Kansas.

793 GA Kuter (102). Leaf litter under sugar maple. 1975. USA: Abraham's Woods, University of Wisconsin Arboretum, Green County, Wisconsin.

796 DA Rodriguez Sierra ← BV Romero. [Dermaptera]. Jul 1982. Colombia: Instituto Colombiana Agropecuario, Villavicencio, Meta.

804 [CNPAF 82-4-30-01D; CP 48] RA Daoust and JPP de Araújo. Adult, [Coleoptera: Elateridae]. 30 Apr 1982. Brazil: Novo Oriente, Ceará.

805 [CNPAF 82-5-3-01; CP 49] RA Daoust ← LS Teixeira. *Crimissa* sp. [Coleoptera: Chrysomelidae]. 3 May 1982. Brazil: Pacajus, Ceará.

806 [CNPAF 82-5-4-06; CP 53] RA Daoust ← SM dos Santos. *Deois flavopicta* [Homoptera: Cercopidae]. 4 May 1982. Brazil: CNPAF, Goiânia, Goiás.

809 [CNPAF 82-6-28-01; CP 61] RA Daoust ← SM dos Santos. *Diabrotica paranaensis* [Coleoptera: Chrysomelidae]. 28 Jun 1982. Brazil: CNPAF, Goiânia, Goiás.

812 GG Soares (3) ← G Euverte. Overwintering adults, *Corythucha ciliata* [Hemiptera: Tingidae]. 18 Feb 1981. France: Avignon, Vaucluse.

813 GG Soares (6). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.

814 GG Soares (10). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.

815 GG Soares (12). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.

816 GG Soares (20) ← JP Aeschlimann. 5th instar larva, *Sitona discoideus* [Coleoptera: Curculionidae]. 29 Mar 1982. France: Montpellier, Hérault.

842 *Metamasius* sp. [Coleoptera: Curculionidae]. Acc'd 6 Jun 1983. Colombia.

843 D Jansen. Pupa, [Lepidoptera: Saturniidae]. Acc'd 6 Jun 1983. Costa Rica.

886 GG Soares (34) ← D Covtinot. Adult, *Lygus* sp. [Hemiptera: Miridae]. Sep 1982. Spain: Burgos.

928 [CNPAF 82-07-27-01; CP 63] RA Daoust ← SM dos Santos. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 27 Jul 1982. Brazil: CNPAF, Goiânia, Goiás.

930 [CNPAF 82-12-15-02; CP 68] RA Daoust ← SM dos Santos. [Coleoptera: Curculionidae]. Dec 1982. Brazil: CNPAF, Goiânia, Goiás.

931 [CNPAF 82-12-20-01; CP 69] RA Daoust ← H da Silva Coelho. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 20 Dec 1982. Brazil: CNPAF, Goiânia, Goiás.

933 [CNPAF 82-12-20-02; CP 71] RA Daoust ← E Ferreira. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 20 Dec 1982. Brazil: CNPAF, Goiânia, Goiás.

934 [CNPAF 83-1-25-01; CP 72] RA Daoust. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 25 Jan 1983. Brazil: CNPAF, Goiânia, Goiás.

937 [CNPAF 83-3-3-01; CP 76] RA Daoust ← E Ferreira. *Diabrotica paranaensis* [Coleoptera: Chrysomelidae]. 3 Mar 1983. Brazil: F. Itamaraty, Ponta Porã, Mato Grosso.

938 [CNPAF 83-3-3-02; CP 77] RA Daoust ← E Ferreira. *Diabrotica paranaensis* [Coleoptera: Chrysomelidae]. 3 Mar 1983. Brazil: Ponta Porã, Mato Grosso.

941 [CNPAF 83-03-16C; CP 82] RA Daoust and BP Magalhães. *Chalcodermus* sp. [Coleoptera: Curculionidae]. 16 Mar 1983. Brazil: Ponta Porã, Mato Grosso.

942 [CNPAF 83-03-16D; CP 83] RA Daoust and BP Magalhães. *Chalcodermus* sp. [Coleoptera: Curculionidae]. 16 Mar 1983. Brazil: Ponta Porã, Mato Grosso.

943 [CNPAF 83-03-16E; CP 84] RA Daoust and BP Magalhães. *Chalcodermus* sp. [Coleoptera: Curculionidae]. 16 Mar 1983. Brazil: Ponta Porã, Mato Grosso.

944 [CNPAF 83-03-16F; CP 85] RA Daoust and BP Magalhães. [Hemiptera: Pentatomidae]. 16 Mar 1983. Brazil: Ponta Porã, Mato Grosso.

945 [CNPAF 83-03-16G; CP 86] RA Daoust and BP Magalhães. [Homoptera: Cicadellidae]. 16 Mar 1983. Brazil: Ponta Porã, Mato Grosso.

946 [CNPAF 83-03-15E; CP 87] RA Daoust and BP Magalhães. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Mar 1983. Brazil: Ponta Porã, Mato Grosso.

947 [CNPAF 83-03-15-M; CP 88] RA Daoust and BP Magalhães. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Mar 1983. Brazil: Ponta Porã, Mato Grosso.

948 [CNPAF 83-03-15-O; CP 89] RA Daoust and BP Magalhães. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Mar 1983. Brazil: Ponta Porã, Mato Grosso.

949 [CNPAF 83-03-15-P; CP 90] RA Daoust and BP Magalhães. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Mar 1983. Brazil: Ponta Porã, Mato Grosso.

950 [CNPAF 83-03-15-Q; CP 91] RA Daoust and BP Magalhães. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Mar 1983. Brazil: Ponta Porã, Mato Grosso.

951 [CNPAF 83-03-15B; CP 92] RA Daoust and BP Magalhães. *Cerotoma* sp. [Coleoptera: Chrysomelidae]. Mar 1983. Brazil: Ponta Porã, Mato Grosso.

952 [CNPAF 83-03-15H; CP 93] RA Daoust and BP Magalhães. Adult, [Coleoptera: Carabidae]. Mar 1983. Brazil: Ponta Porã, Mato Grosso.

953 [CNPAF 83-03-16K; CP 98] RA Daoust and BP Magalhães. *Chalcodermus* sp. [Coleoptera: Curculionidae]. 16 Mar 1983. Brazil: Ponta Porã, Mato Grosso.

956 [CNPAF 83-5-27; CP 101] RA Daoust ← SM dos Santos. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 27 May 1983. Brazil: CNPAF, Goiânia, Goiás.

957 [CNPAF 83-06-06-1; CP 102] RA Daoust. [Hymenoptera: ?Megachilidae]. 6 Jun 1983. Brazil: CNPAF, Goiânia, Goiás.

958 [CNPAF 83-01-06A (CB 97); CP 104] RA Daoust ← SM de Carvalho. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 6 Jan 1983. Brazil: Londrina, Paraná.

982 [CNPAF 83-03-17B; CP 95] RA Daoust and BP Magalhães. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 17 Mar 1983. Brazil: Ponta Porã, Mato Grosso.

1001 J Aoki (Beau. 5) ← K Katagiri ← T Kushida. *Dioryctria sylvestrella* [Lepidoptera: Pyralidae]. Dec 1968. Japan: Hachioji, Tokyo Prefecture.

1007 J Aoki (Beau. 3). *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Fuchu, Tokyo Prefecture.

1016 ME McGiffen. *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Nov 1983. Location not specified.

1038 G Riba. *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Fall 1983. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1039 L Allee. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1983. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1041 J Aoki (Isa. 1) ← S Miyajima. *Psacothea hilaris* [Coleoptera: Cerambycidae]. Oct 1981. Japan: Nagakute, Aichi Prefecture.

1053 [CNPS 14] F Moscardi. [Orthoptera: Acrididae]. 1983. Brazil: Londrina, Paraná.

1054 [CNPS 15] F Moscardi. *Nezara viridula* [Hemiptera: Pentatomidae]. 1983. Brazil: Londrina, Paraná.

1060 [CNPS 31] F Moscardi. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 1983. Brazil: Londrina, Paraná.

1061 [CNPS 32] F Moscardi ← Francisco. [Coleoptera: Curculionidae]. 1983. Brazil: Londrina, Paraná.

1073 TJ Poprawski (83-48). Adult, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Jul 1983. France: tree nursery containers, Les Thilliers-en-Vexin, Eure.

1074 TJ Poprawski (83-49). Adult, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Jul 1983. France: tree nursery containers, Les Thilliers-en-Vexin, Eure.

1075 TJ Poprawski (83-54). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 21 Jul 1983. France: tree nursery containers, Les Thilliers-en-Vexin, Eure.

1079 *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Acc'd Feb 1984. USA: Washington.

1081 L Allee. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1983. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1098 Y Ando. *Nephotettix cincticeps* [Homoptera: Cicadellidae]. 20 Feb 1983. Japan: Insectron Experiment Station, Tsukuba, Ibaraki Prefecture.

1103 [ARSEF 1558] KV Deseö (8) ← Goidanich. Larva, *Cossula cossus* [Lepidoptera: Cossidae]. Jun 1981. Italy: Bologna, Emilia-Romagna.

1104 KV Deseö (10) ← Goidanich. Larva, *Cossula cossus* [Lepidoptera: Cossidae]. Jun 1981. Italy: Bologna, Emilia-Romagna.

1105 KV Deseö (17). Larva, *Zeuzera pyrina* [Lepidoptera: Cossidae]. Jan 1982. Italy: Galliera.

1106 KV Deseö (25) ← Chianella. *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Feb 1982. Italy: Sicily.

1107 KV Deseö (26) ← Becchi. Pupa, *Lobesia botrana* [Lepidoptera: Tortricidae]. Mar 1982. Italy: Modena, Emilia-Romagna.

1110 KV Deseö (31) ← Becchi. Pupa, *Lobesia botrana* [Lepidoptera: Tortricidae]. Apr 1982. Italy: Modena, Emilia-Romagna.

1113 KV Deseö (38). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. Jun 1982. Italy: insect colony, Bologna, Emilia-Romagna.

1114 KV Deseö (39). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. Jun 1982. Italy: insect colony, Bologna, Emilia-Romagna.

1115 KV Deseö (40A) ← Celli. Pupa, *Leucoptera scitella* [Lepidoptera: Lyonetiidae]. Aug 1982. Italy: Ravenna, Emilia-Romagna.

1117 KV Deseö (41) ← Celli. Pupa, *Leucoptera scitella* [Lepidoptera: Lyonetiidae] with hymenopterous parasite. Aug 1982. Italy: Ravenna, Emilia-Romagna.

1118 KV Deseö (45) ← Maini. Larva, *Sesamia cretica* [Lepidoptera: Noctuidae]. Sep 1982. Italy: Forli, Emilia-Romagna.

1119 KV Deseö (47). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. Oct 1982. Italy: Modena, Emilia-Romagna.

1121 KV Deseö (81) ← Chianella. Pupa, *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Mar 1982. Italy: Padua, Venetia.

1122 KV Deseö (83). *Cydia pomonella* [Lepidoptera: Tortricidae]. Mar 1983. Italy: Bologna, Emilia-Romagna.

1149 TJ Poprawski (83-79). 3rd instar larva, *Helicoverpa armigera* [Lepidoptera: Noctuidae]. 4 Aug 1983. Spain: Córdoba.

1150 TJ Poprawski (83-37). Adult, [Diptera: Tachinidae] parasitic on *Sitona lineatus* [Coleoptera: Curculionidae]. 17 Nov 1983. France: Senneville.

1151 TJ Poprawski (83-05). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. 24 Aug 1983. Canada: L'Acadie, Québec.

1153 TJ Poprawski (074). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Jan 1984. Morocco: Jramma.

1154 TJ Poprawski (072). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 25 Jan 1984. Morocco: Jramma.

1155 TJ Poprawski (073). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Jan 1984. Morocco: Jramma.

1156 TJ Poprawski (83-639). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. 22 Oct 1983. France: Guyancourt, Yvelines.

1157 TJ Poprawski (83-619). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.

1158 TJ Poprawski (83-634). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Vernon, Eure.

1159 TJ Poprawski (83-615). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.

1160 TJ Poprawski (83-614). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.

1161 TJ Poprawski (83-626). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Mantes-la-Jolie, Yvelines.

1162 TJ Poprawski (83-623). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Limay, Yvelines.

1163 TJ Poprawski (071A). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Jan 1984. Morocco: Jramma.

1164 TJ Poprawski (070). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Jan 1984. Morocco: Jramma.

1165 TJ Poprawski (83-621). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.

1166 TJ Poprawski (83-77). 3rd instar larva, *Helicoverpa armigera* [Lepidoptera: Noctuidae]. 2 Aug 1983. Spain: Córdoba.

1167 TJ Poprawski (83-701). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Nov 1983. France: Senneville.

1168 TJ Poprawski (83-702). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. 10 Oct 1983. France: Senneville.

1169 TJ Poprawski (83-703). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Senneville.

1170 TJ Poprawski (83-704). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. 23 Nov 1983. France: Senneville.

1171 TJ Poprawski (A2). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.

1172 TJ Poprawski (A4). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.

1173 TJ Poprawski (A5). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 16 Feb 1984. Morocco: Achouria.

1174 TJ Poprawski (A6). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Achouria.

1175 TJ Poprawski (A7). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 10 Feb 1984. Morocco: Achouria.

1176 TJ Poprawski (J1). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Jan 1984. Morocco: Jorf.

1177 TJ Poprawski (J2). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Jan 1984. Morocco: Jorf.

1178 TJ Poprawski (J3). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 7 Feb 1984. Morocco: Jorf.

1179 TJ Poprawski (J4). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 2 Dec 1983. Morocco: Jorf.

1180 TJ Poprawski (J5). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 2 Dec 1983. Morocco: Jorf.

1181 TJ Poprawski (J6). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 10 Feb 1984. Morocco: Jorf.

1182 TJ Poprawski (83-616). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Senneville.

1183 TJ Poprawski (J7). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 16 Feb 1984. Morocco: Jorf.

1185 [INRA Bb-142] TJ Poprawski. *Sitona discoideus* [Coleoptera: Curculionidae]. May 1977. France: Viols-le-Fort, Hérault.

1186 [INRA Bb-195] TJ Poprawski. Adult, *Caryedon serratus* [Coleoptera: Bruchidae]. 6 Jun 1983. France: La Minière.

1188 TJ Poprawski (E1). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Elbaya.

1189 TJ Poprawski (A1). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Achouria.

1190 TJ Poprawski (A3). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Achouria.

1191 TJ Poprawski (645). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Dec 1983. France: Orléans, Loiret.

1192 TJ Poprawski (646). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Anet, Eure-et-Loir.

1193 TJ Poprawski (647). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Ecos, Eure.

1194 TJ Poprawski (648). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Meulan, Yvelines.

1269 [IRRI Pal. 2] MC Rombach. *Leptocoris oratorius* [Hemiptera: Rhopalidae] on rice. Acc'd 3 May 1984. Philippines: Palawan.

1270 [IRRI O2III] MC Rombach. *Leptocoris oratorius* [Hemiptera: Rhopalidae] on rice. Acc'd 3 May 1984. Philippines: Palawan.

1306 TJ Poprawski (83-611). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.

1309 TJ Poprawski (A8). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.

1311 TJ Poprawski (A10). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.

1312 TJ Poprawski (A11). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.

1313 TJ Poprawski (A12). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.

1314 TJ Poprawski (070A). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.

1315 TJ Poprawski (070B). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.

1316 TJ Poprawski (070C). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.

1317 TJ Poprawski (074A). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 18 Mar 1983. France: Choisy-en-Brie, Haute-Savoie.

1318 TJ Poprawski (074B). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 18 Mar 1983. France: Choisy-en-Brie, Haute-Savoie.

1319 TJ Poprawski (076). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.

1320 TJ Poprawski (078). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.

1321 TJ Poprawski (079B). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.

1322 TJ Poprawski (079C). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.

1323 TJ Poprawski (079D). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.

1324 TJ Poprawski (079E). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.

1325 TJ Poprawski (079F). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.

1326 TJ Poprawski (080). Nymph, [Orthoptera: Acrididae]. 27 Jun 1983. France: Prades, Pyrénées-Orientales.

1359 S Balazy (1597a). Rec'd 19 May 1984. Poland.

1389 TJ Poprawski (088). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1984. France: Baron.

1394 TJ Poprawski (071). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 18 Aug 1983. France: Choisy-en-Brie, Haute-Savoie.

1395 TJ Poprawski (075). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 23 Aug 1983. France: Saint-Denis du Pin, Seine-Saint-Denis.

1396 TJ Poprawski (077A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 30 Aug 1983. France: Senneville.

1397 TJ Poprawski (077B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 30 Aug 1983. France: Senneville.

1398 TJ Poprawski (086). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1984. France: Marsanne, Drôme.

1399 TJ Poprawski (087). Adult, *Hypera postica* [Coleoptera: Curculionidae]. Mar 1984. France: Marsanne, Drôme.

1404 TJ Poprawski (092A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 9 Sep 1983. France: Fort la Latte.

1405 TJ Poprawski (092B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 9 Sep 1983. France: Fort la Latte.

1406 TJ Poprawski (093A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.

1407 TJ Poprawski (093B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.

1408 TJ Poprawski (094A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.

1409 TJ Poprawski (094B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.

1410 TJ Poprawski (095). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.

1411 TJ Poprawski (096A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.

1412 TJ Poprawski (096B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.

1413 TJ Poprawski (097). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 13 Oct 1983. France: Senneville.

1414 TJ Poprawski (099). Nymph, *Lygus* sp. [Hemiptera: Miridae]. May 1984. France: Senneville.

1450 [CNPAF 52; CP 125] F Moscardi. *Sternechus subsignatus* [Coleoptera: Curculionidae]. 27 Mar 1984. Brazil: Londrina, Paraná.

1453 [CNPAF 84-02-30-2; CP 143] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 30 Mar 1984. Brazil: Francisco Beltrão, Paraná.

1454 [CNPAF 84-03-28-1F; CP 144] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.

1455 [CNPAF 84-03-28-D; CP 145] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.

1456 [CNPAF 84-04-03-6A; CP 146] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 30 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.

1457 [CNPAF 84-03-28-1A; CP 147] RA Daoust. *Podisus* sp. [Hemiptera: Pentatomidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.

1458 [CNPAF 84-03-28-1E; CP 148] RA Daoust. *Cerotoma* sp. [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.

1459 [CNPAF 84-04-03-1E; CP 149] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.

1460 [CNPAF 84-04-03-1B; CP 150] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.

1461 [CNPAF 84-03-29-1; CP 151] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 29 Mar 1984. Brazil: Capitão Leônidas Marques, Paraná.

1462 [CNPAF 84-03-28-1G; CP 152] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.

1463 [CNPAF 84-03-28-1L; CP 153] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.

1464 [CNPAF 84-04-03-6B; CP 154] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.

1465 [CNPAF 84-04-03-1A; CP 155] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.

1466 [CNPAF 84-03-31-6; CP 156] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 31 Mar 1984. Brazil: Sto. Antonio do Sudoeste, Paraná.

1467 [CNPAF 84-04-02-5A; CP 157] RA Daoust and BP Magalhães. *Cerotoma* sp. [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: São Carlos, Santa Catarina.

1468 [CNPAF 84-04-02-5B; CP 158] RA Daoust and BP Magalhães. [Hymenoptera: Superfamily Apoidea]. 2 Apr 1984. Brazil: São Carlos, Santa Catarina.

1469 [CNPAF 84-03-31-2; CP 159] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 31 Mar 1984. Brazil: Sto. Antonio do Sudoeste, Paraná.

1470 [CNPAF 84-04-02-3; CP 160] RA Daoust, BP Magalhães and M Pinat. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: Chapecó, Santa Catarina.

1471 [CNPAF 84-04-02-4; CP 161] RA Daoust, BP Magalhães and M Pinat. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: Chapecó, Santa Catarina.

1472 [CNPAF 84-04-02-2; CP 162] RA Daoust, BP Magalhães and M Pinat. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: Chapecó, Santa Catarina.

1473 [CNPAF 84-04-02-1B; CP 163] RA Daoust, BP Magalhães and M Pinat. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: Chapecó, Santa Catarina.

1474 [CNPAF 84-04-02-1A; CP 164] RA Daoust, BP Magalhães and M Pinat. *Nezara viridula* [Hemiptera: Pentatomidae]. 2 Apr 1984. Brazil: Chapecó, Santa Catarina.

1475 [CNPAF 84-04-03-1C; CP 165] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.

1476 [CNPAF 84-04-25-1; CP 166] SM dos Santos. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 25 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.

1478 SB Alves (256). *Euschistus heros* [Hemiptera: Pentatomidae] on soybean. Rec'd 6 Jul 1984. Brazil: Goiás. Identification verified genomically.

1479 SB Alves (246). *Stenoma decora* [Lepidoptera: Stenomatinae] on cacao. Rec'd 6 Jul 1984. Brazil: Bahia.

1480 SB Alves (252). *Hypothenemus hampei* [Coleoptera: Scolytidae] on coffee. Rec'd 6 Jul 1984. Brazil: São Paulo.

1483 SB Alves (61). *Cosmopolites sordidus* [Coleoptera: Curculionidae] on banana. Rec'd 6 Jul 1984. Brazil: Espírito Santo.

1484 SB Alves (196). *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. Rec'd 6 Jul 1984. Brazil: Pernambuco.

1491 [INRA Bb-169] GG Soares. *Sitona humeralis* [Coleoptera: Curculionidae]. Mar 1981. France: Lusignan, Vienne.

1509 I Majchrowicz (56) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.

1510 I Majchrowicz (58) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.

1511 I Majchrowicz (75) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.

1512 TJ Poprawski (0102A). Adult, *Spodoptera littoralis* [Lepidoptera: Noctuidae]. 21 Jun 1984. France: La Minière.

1513 TJ Poprawski (0102B). Adult, *Spodoptera littoralis* [Lepidoptera: Noctuidae]. 21 Jun 1984. France: La Minière.

1514 TJ Poprawski (0103A). Pupa, *Musca autumnalis* [Diptera: Muscidae]. 13 Jun 1984. France: Le Trait, Seine-Maritime.

1515 TJ Poprawski (0107). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 13 Jun 1984. France.

1516 TJ Poprawski (0108). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 19 Aug 1984. France: Senneville.

1517 TJ Poprawski (0109). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 19 Jun 1984. France: Dagny.

1518 TJ Poprawski (0111). Adult, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. 27 Jun 1984. France: Entraigues, Vaucluse.

1519 TJ Poprawski (0112). Adult, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. 27 Jun 1984. France: Entraigues, Vaucluse.

1520 TJ Poprawski (0117A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 27 Jun 1984. France: Prades, Pyrénées-Orientales.

1521 TJ Poprawski (0117B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 27 Jun 1984. France: Prades, Pyrénées-Orientales.

1523 TJ Poprawski (0122). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. France: Ronce.

1524 TJ Poprawski (0123). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. France: Ronce.

1525 TJ Poprawski (0124A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Manciano, Toscana.

1526 TJ Poprawski (0124B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Manciano, Toscana.

1527 TJ Poprawski (0125). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Manciano, Toscana.

1528 TJ Poprawski (0126). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Manciano, Toscana.

1529 TJ Poprawski (0127A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Orvieto, Umbria.

1531 TJ Poprawski (0127B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Orvieto, Umbria.

1533 TJ Poprawski (0128A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.

1534 TJ Poprawski (0128B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.

1535 TJ Poprawski (0130A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.

1536 TJ Poprawski (0130B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.

1537 TJ Poprawski (0131A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.

1538 TJ Poprawski (0131B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.

1539 TJ Poprawski (0132). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.

1540 TJ Poprawski (0133A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.

1553 RS Soper (B). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae] on rice. 5 Jul 1984. Japan: CIBA-Geigy rearings, Osaka, Osaka Prefecture.

1554 RS Soper (C). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae] on rice. 5 Jul 1984. Japan: CIBA-Geigy rearings, Osaka, Osaka Prefecture.

1555 RS Soper (D). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae] on rice. 5 Jul 1984. Japan: CIBA-Geigy rearings, Osaka, Osaka Prefecture.

1556 RS Soper (E). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae] on rice. 5 Jul 1984. Japan: CIBA-Geigy rearings, Osaka, Osaka Prefecture.

1558 [ARSEF 1103] KV Deseö (8) ← Goidanich. Larva, *Cossula cossus* [Lepidoptera: Cossidae]. Jun 1981. Italy: Bologna, Emilia-Romagna.

1559 KV Deseö (88) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.

1560 KV Deseö (89) ← Campadelli. *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.

1561 KV Deseö (90) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.

1562 KV Deseö (91) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.

1563 KV Deseö (92) ← Campadelli. Larva, *Aromia moschata* [Coleoptera: Cerambycidae]. Feb 1984. Italy: Solarolo.

1564 [CBS 111238] KV Deseö (103) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emiglia), Emilia-Romagna. Identification verified genomically. Ex-type isolate.

1565 KV Deseö (109) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emiglia), Emilia-Romagna.

1566 S Keller (D155). [Coleoptera: Scolytidae]. 14 Aug 1984. Switzerland: Siblingen, Schaffhausen.

1619 L Allee. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 6 Aug 1984. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1620 L Allee. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 6 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1621 L Allee. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 6 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1622 L Allee. Larva, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 27 Jul 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1623 L Allee. Larva, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 27 Jul 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1624 L Allee. Larva, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 30 Jul 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1627 TJ Poprawski (0104). Larva, [Lepidoptera: Noctuidae]. 13 Jun 1984. Hungary: Gödöllö.

1628 TJ Poprawski (0105). Larva, [Lepidoptera: Noctuidae]. 13 Jun 1984. Hungary: Gödöllö.

1629 TJ Poprawski (0106). Larva, [Lepidoptera: Noctuidae]. 13 Jun 1984. Hungary: Gödöllö.

1630 TJ Poprawski (0118A). Larva, *Calliphora* sp. [Diptera: Calliphoridae]. 27 Jun 1984. France: Sèvres, Yvelines.

1635 TJ Poprawski (0133B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 Jun 1984. Austria: Burgenland.

1636 TJ Poprawski (0134). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 11 Jul 1984. Austria: Burgenland.

1637 TJ Poprawski (0135A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.

1638 TJ Poprawski (0135B). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.

1640 TJ Poprawski (0137). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.

1643 TJ Poprawski (0140). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.

1647 TJ Poprawski (0143). Adult, *Sitona* sp. [Coleoptera: Curculionidae]. 22 Aug 1984. France: Orval, Ardennes.

1648 TJ Poprawski (0144). Adult, *Lygus* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Charente.

1649 TJ Poprawski (0145). Adult, *Lygus* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Drôme.

1650 TJ Poprawski (0146). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Saint-Denis du Pin, Seine-Saint-Denis.

1651 Abbott Laboratories (122-1). 1984 formulation of ARSEF 252. Acc'd 11 Oct 1984. Location not specified.

1652 Abbott Laboratories (106(2)). 1984 formulation of ARSEF 252. Acc'd 11 Oct 1984. Location not specified.

1653 Abbott Laboratories (114(2)). 1984 formulation of ARSEF 252. Acc'd 11 Oct 1984. Location not specified.

1654 Abbott Laboratories (112). 1984 formulation of ARSEF 252. Acc'd 11 Oct 1984. Location not specified.

1677 M Shimazu (F-185). *Dendrolimus spectabilis* [Lepidoptera: Lasiocampidae]. 26 Jul 1976. Japan: Ishikawa Prefecture.

1678 M Shimazu (F-237). *Moechotypa diphysis* [Coleoptera: Cerambycidae]. Aug 1978. Japan: Tsushima, Nagasaki Prefecture.

1679 M Shimazu (F-263). *Monochamus alternatus* [Coleoptera: Cerambycidae]. 25 Aug 1978. Japan: Kumamoto Prefecture.

1683 M Shimazu (F-359(30)). *Anomala cuprea* [Coleoptera: Scarabaeidae]. 20 Nov 1980. Japan: Nagano Prefecture.

1689 Abbott Laboratories (AARC 8401-A(1)). 1984 formulation of ARSEF 252. Acc'd 5 Nov 1984. Location not specified.

1690 Abbott Laboratories (AARC 8401-A(2)). 1984 formulation of ARSEF 252. Acc'd 5 Nov 1984. Location not specified.

1691 Abbott Laboratories (AARC 8401-B). 1984 formulation of ARSEF 252. Acc'd 5 Nov 1984. Location not specified.

1692 Abbott Laboratories (AARC 8401-D). 1984 formulation of ARSEF 252. Acc'd 5 Nov 1984. Location not specified.

1704 L Allee (84-1). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Aug 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1705 L Allee (84-3). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1706 L Allee (84-4). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1707 L Allee (84-5). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Aug 1984. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1708 L Allee (84-7). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1709 L Allee (84-8). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1710 L Allee (84-9). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1711 L Allee (84-10). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 8 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1712 L Allee (84-11). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1713 L Allee (84-12). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1721 L Allee (84-13). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 17 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1722 L Allee (84-19). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 31 Aug 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1723 L Allee (84-20). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 31 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1747 Abbott Laboratories (124). 1984 formulation of ARSEF 252. Acc'd 6 Dec 1984. Location not specified.

1748 Abbott Laboratories (Bb029-13,"3 of 4"). 1983 formulation of ARSEF 252. Acc'd 6 Dec 1984. Location not specified.

1749 L Allee (84-16). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 17 Aug 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1750 L Allee (84-18). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 31 Aug 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1775 L Allee (84-22). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1776 L Allee (84-23). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: control plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1777 L Allee (84-24). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: insecticide-treated plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1778 L Allee (84-25). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1779 L Allee (84-26). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: low rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1780 L Allee (84-27). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1781 L Allee (84-28). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Fall 1984. USA: high rate plot for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

1782 Abbott Laboratories (102A). 1984 formulation of ARSEF 252. Acc'd 11 Jan 1985. Location not specified.

1783 Abbott Laboratories (104, 106). 1984 formulation of ARSEF 252. Acc'd 11 Jan 1985. Location not specified.

1788 TJ Poprawski (0147). Larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. Acc'd 22 Jan 1985. Spain.

1789 TJ Poprawski (0148A). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Saint-Laurent, Vosges.

1790 TJ Poprawski (0148B). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Saint-Laurent, Vosges.

1791 TJ Poprawski (0149). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Saint-Laurent, Vosges.

1792 TJ Poprawski (0150A). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Fiancey.

1793 TJ Poprawski (0150B). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Fiancey.

1794 TJ Poprawski (0150C). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Fiancey.

1795 TJ Poprawski (0151). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Marsanne, Drôme.

1796 TJ Poprawski (0152A). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Choisy-en-Brie, Haute-Savoie.

1797 TJ Poprawski (0152B). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Choisy-en-Brie, Haute-Savoie.

1798 TJ Poprawski (0152C). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Choisy-en-Brie, Haute-Savoie.

1799 TJ Poprawski (0152D). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Choisy-en-Brie, Haute-Savoie.

1800 TJ Poprawski (0154). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Septeuil, Yvelines.

1801 TJ Poprawski (0155). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. France: Septeuil, Yvelines.

1802 TJ Poprawski (0156). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Greece: Heronia.

1803 TJ Poprawski (0157). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Greece: Heronia.

1804 TJ Poprawski (0158A). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Spain: Bahabon de Esgueva.

1805 TJ Poprawski (0158B). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Spain: Bahabon de Esgueva.

1806 TJ Poprawski (0158C). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Spain: Bahabon de Esgueva.

1807 TJ Poprawski (0159A). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Spain: Bahabon de Esgueva.

1808 TJ Poprawski (0159B). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Spain: Bahabon de Esgueva.

1809 TJ Poprawski (0160). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Spain: Bocequillas.

1810 TJ Poprawski (0161). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Spain: Bahabon de Esgueva.

1811 TJ Poprawski (0167C). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Acc'd 22 Jan 1985. Morocco: Jorf. Identification verified genomically.

1812 TJ Poprawski (0163). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Greece: Thessaloniki.

1813 TJ Poprawski (0164A). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Spain: Bahabon de Esgueva.

1814 TJ Poprawski (0164B). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Spain: Bahabon de Esgueva.

1815 TJ Poprawski (0165). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Acc'd 22 Jan 1985. Morocco: Jorf.

1816 TJ Poprawski (0166A). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Acc'd 22 Jan 1985. Morocco: Hauteban.

1817 TJ Poprawski (0166B). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Acc'd 22 Jan 1985. Morocco: Hauteban.

1818 TJ Poprawski (0166C). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Acc'd 22 Jan 1985. Morocco: Hauteban.

1819 TJ Poprawski (0166D). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Acc'd 22 Jan 1985. Morocco: Hauteban.

1820 TJ Poprawski (0167A). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Acc'd 22 Jan 1985. Morocco: Jorf.

1821 TJ Poprawski (0167B). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Acc'd 22 Jan 1985. Morocco: Jorf.

1822 TJ Poprawski (0162). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Greece: Thessaloniki.

1831 SB Alves (63). *Atta* sp. [Hymenoptera: Formicidae]. Rec'd 21 Jan 1985. Brazil.

1832 SB Alves (197). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 21 Jan 1985. Brazil.

1833 SB Alves (267). *Cosmopolites* sp. [Coleoptera: Curculionidae]. Rec'd 21 Jan 1985. Brazil.

1834 SB Alves (268). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 21 Jan 1985. Brazil.

1836 SB Alves (309). *Terastia meticulosalis* [Lepidoptera: Pyralidae]. Rec'd 21 Jan 1985. Brazil.

1838 Abbott Laboratories (102B(2)). 1984 formulation of ARSEF 252. Acc'd 29 Jan 1985. Location not specified.

1839 Abbott Laboratories (106). 1984 formulation of ARSEF 252. Acc'd 29 Jan 1985. Location not specified.

1842 Abbott Laboratories (Bb028-5F). 1983 formulation of ARSEF 252. Acc'd 13 Feb 1985. Location not specified.

1843 Abbott Laboratories (Bb028-138). 1983 formulation of ARSEF 252. Acc'd 13 Feb 1985. Location not specified.

1844 Abbott Laboratories (Bb028-148). 1983 formulation of ARSEF 252. Acc'd 13 Feb 1985. Location not specified.

1845 Abbott Laboratories (Bb028-150). 1983 formulation of ARSEF 252. Acc'd 13 Feb 1985. Location not specified.

1846 Abbott Laboratories (Bb029-13). 1983 formulation of ARSEF 252. Acc'd 13 Feb 1985. Location not specified.

1848 HS Whitney (R629) ← HA Moeck. Adult, *Rhizophagus grandis* [Coleoptera: Rhizophagidae]. Sep 1984. Belgium. Identification verified genomically.

1849 HA Moeck and HS Whitney (R630). Adult, *Dendroctonus ponderosae* [Coleoptera: Scolytidae]. Oct 1984. Canada: Lye Lake Plot, Riske Creek, British Columbia.

1850 HS Whitney (R633) ← IS Otvos. Larva, *Choristoneura* sp. [Lepidoptera: Tortricidae]. Jun 1983. Canada: Terrace, British Columbia.

1852 P Spencer and HS Whitney (R634). *Dryocoetes confusus* [Coleoptera: Scolytidae]. Jun 1984. Canada: Top of the World Park, British Columbia.

1853 HS Whitney (R636) ← HA Moeck. Larva, *Dendroctonus ponderosae* [Coleoptera: Scolytidae]. 5 Oct 1984. Canada: laboratory colony, British Columbia.

1854 HA Moeck and HS Whitney (R637). Adult, *Pytho* sp. [Coleoptera: Pythidae]. Oct 1984. Canada: Lye Lake Plot, Riske Creek, British Columbia.

1864 TJ Poprawski (0168). Adult, *Delia antiqua* [Diptera: Anthomyiidae]. Acc'd 25 Mar 1985. France: La Minière.

1865 TJ Poprawski (0169). Adult, *Delia antiqua* [Diptera: Anthomyiidae]. Acc'd 25 Mar 1985. France: La Minière.

1866 TJ Poprawski (0170). Adult, *Delia antiqua* [Diptera: Anthomyiidae]. Acc'd 25 Mar 1985. France: La Minière.

1889 Abbott Laboratories (1985-3-69). 1985 formulation of ARSEF 252. Acc'd 6 Jun 1985. Location not specified.

1953 [CNPAF 85-7-23; CP 178] JC Lord and BP Magalhães. [Hymenoptera: Vespidae]. 23 Jul 1985. Brazil: Santana do Ipanema, Alagoas.

1954 [CNPAF 85-7-23-1; CP 179] JC Lord and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 23 Jul 1985. Brazil: Santana do Ipanema, Alagoas.

1955 [CNPAF 85-7-23-2; CP 180] JC Lord and BP Magalhães. [Diptera: Muscidae]. 23 Jul 1985. Brazil: Santana do Ipanema, Alagoas.

1956 [CNPAF 85-7-22; CP 181] JC Lord and BP Magalhães. *Coleomegilla maculata* [Coleoptera: Coccinellidae]. 22 Jul 1985. Brazil: União dos Palmares, Alagoas.

1959 [CNPAF 85-7-24-2; CP 185] JC Lord and BP Magalhães. [Orthoptera: Acrididae]. 24 Jul 1985. Brazil: Ribeira do Pombal, Bahia.

1960 [CNPAF 85-7-24-3; CP 186] JC Lord and BP Magalhães. [Hymenoptera: Formicidae]. 24 Jul 1985. Brazil: Ribeira do Pombal, Bahia.

1961 [CNPAF 85-7-24-4; CP 187] JC Lord and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 24 Jul 1985. Brazil: Ribeira do Pombal, Bahia.

1962 [CP 188] JC Lord and BP Magalhães. [Diptera]. Jul 1985. Brazil: Ribeira do Pombal, Bahia.

1966 [CP 168] D Gabriel. *Anthonomus grandis* [Coleoptera: Curculionidae]. 1983. Brazil: Fazenda St. Genebra, Campinas, São Paulo.

1971 [ARSEF 1451 (deaccessioned); CNPAF 84-3-12; CP 124] H da Silva Coelho. [Coleoptera: Chrysomelidae]. 12 Mar 1984. Brazil: CNPAF, Goiânia, Goiás.

1973 TJ Poprawski (0176). Adult, [Hemiptera: Pentatomidae]. Acc'd 25 Sep 1985. Austria: Burgenland.

1974 TJ Poprawski (0177). Adult, [Hemiptera: Pentatomidae]. Acc'd 25 Sep 1985. Austria: Burgenland.

1975 TJ Poprawski (0178). Adult, [Coleoptera: Carabidae]. Acc'd 25 Sep 1985. France: Saint-Genis de Saintonge, Charente-Maritime.

1976 TJ Poprawski (0179). Adult, [Hymenoptera: Formicidae: Myrmicinae]. Acc'd 25 Sep 1985. France: Saint-Genis de Saintonge, Charente-Maritime.

1977 TJ Poprawski (0180). Adult, [Hymenoptera: Formicidae: Myrmicinae]. Acc'd 25 Sep 1985. France: Saint-Genis de Saintonge, Charente-Maritime.

1978 TJ Poprawski (0181). Adult, [Hymenoptera: Formicidae: Myrmicinae]. Acc'd 25 Sep 1985. France: Saint-Genis de Saintonge, Charente-Maritime.

1979 TJ Poprawski (0182). Adult, [Hymenoptera: Formicidae: Myrmicinae]. Acc'd 25 Sep 1985. France: Saint-Genis de Saintonge, Charente-Maritime.

1980 TJ Poprawski (0183). Adult, [Coleoptera]. Acc'd 25 Sep 1985. France: Saint-Genis de Saintonge, Charente-Maritime.

1982 TJ Poprawski (0185). Egg, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Acc'd 25 Sep 1985. France: La Repara.

1984 TJ Poprawski (0187). Adult, [Hemiptera: Pentatomidae]. Acc'd 25 Sep 1985. France: Drôme.

1988 TJ Poprawski (0175). Adult, *Nabis* sp. [Hemiptera: Nabidae]. Acc'd 25 Sep 1985. Austria: Burgenland.

2010 CIRPON ← M Yasem de Romero. *Cycloneda sanguinea* [Coleoptera: Coccinellidae]. 1984. Argentina: Tucumán.

2011 CIRPON ← M Yasem de Romero. *Nezara viridula* [Hemiptera: Pentatomidae]. 1984. Argentina: Tucumán.

2030 HS Whitney (CPB-1). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Oct 1985. USA: low rate plot (2) for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

2031 HS Whitney (CPB-2). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] in soil. Oct 1985. USA: low rate plot (2) for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

2032 HS Whitney (CPB-3). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] in soil. Oct 1985. USA: low rate plot (2) for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

2033 HS Whitney (LBB-multi). *Coccinella* sp. [Coleoptera: Coccinellidae]. Oct 1985. USA: low rate plot (2) for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

2034 HS Whitney (LBB-multi 2). *Coccinella* sp. [Coleoptera: Coccinellidae]. Oct 1985. USA: low rate plot (2) for ARSEF 252 spray tests, Agway Research Farm, Tully, New York.

2040 MC Rombach (171085-1) ← SB Ahn (E5-1). [Coleoptera: Curculionidae]. 17 Oct 1985. Republic of Korea.

2041 MC Rombach (281085-1). Larva, *Cnaphalocrocis medinalis* [Lepidoptera: Pyralidae]. 28 Oct 1985. Philippines: IRRI field, Los Baños, Manila.

2054 GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

2075 [CNPAF 85-7-24; CP 183] JC Lord and BP Magalhães. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 24 Jul 1985. Brazil: Ribeira do Pombal, Bahia.

2079 [CP 198] JC Lord and BP Magalhães. *Systena* sp. [Coleoptera: Chrysomelidae]. 1985. Brazil: CNPAF, Goiânia, Goiás.

2191 [CNPAF 86-3-26; CP 201] JFS Martins. *Oebalus poecilus* [Hemiptera: Pentatomidae]. 26 Mar 1986. Brazil: Fazenda Palmital, CNPAF, Goiânia, Goiás.

2236 LS Osborne (UK-3(1)). *Rhizoecus* sp. [Homoptera: Pseudococcidae] in soil. Acc'd 8 Sep 1986. USA: Mid-Florida Research & Education Center, Greenhouse 3, Apopka, Florida.

2248 DA Rodriguez Sierra (106 Bb). *Premnotrypes vorax* [Coleoptera: Curculionidae]. Feb 1986. Colombia: Tibaitata, Mosquera, Nariño.

2249 DA Rodriguez Sierra (203 Bb). Adult, *Ancognatha scarabaeoides* [Coleoptera: Scarabaeidae]. Feb 1986. Colombia: Tibaitata, Mosquera, Nariño.

2250 DA Rodriguez Sierra (201 Bb). *Ancognatha scarabaeoides* [Coleoptera: Scarabaeidae]. Feb 1986. Colombia: Tibaitata, Mosquera, Nariño.

2253 TJ Poprawski (8629). Larva, *Autographa gamma* [Lepidoptera: Noctuidae] on alfalfa. Jul 1986. France: Orgerus, Yvelines.

2254 TJ Poprawski (8630). Larva, *Autographa gamma* [Lepidoptera: Noctuidae] on alfalfa. 8 Aug 1986. France: Orgerus, Yvelines.

2267 FPMI. Pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1986. Canada: Ontario.

2270 BT Forschler (RF-2). Adult, *Cyrtepistomus castaneus* [Coleoptera: Curculionidae]. Sep 1986. USA: Robinson Forest, Univ. of Kentucky, Breathitt County, Kentucky.

2318 TJ Poprawski (8642). Nymph, *Lygus* sp. [Hemiptera: Miridae] on alfalfa. 3 Nov 1986. France: Corbeil-Cerf, Essonne.

2319 TJ Poprawski (8643). Nymph, *Lygus* sp. [Hemiptera: Miridae] on alfalfa. 3 Nov 1986. France: Corbeil-Cerf, Essonne.

2320 TJ Poprawski (8644). Nymph, *Lygus* sp. [Hemiptera: Miridae] on alfalfa. 6 Nov 1986. France: Garancières, Yvelines.

2321 TJ Poprawski (8645). Nymph, *Lygus* sp. [Hemiptera: Miridae] on alfalfa. 6 Nov 1986. France: Garancières, Yvelines.

2322 TJ Poprawski (8646). Nymph, *Lygus* sp. [Hemiptera: Miridae] on alfalfa. 6 Nov 1986. France: Garancières, Yvelines.

2330 PI Espinosa Camarena. *Diabrotica virgifera* [Coleoptera: Chrysomelidae]. 1986. Mexico: Zapotlanejo, Jalisco.

2336 [ARSEF 2883] MG Feng (SGBB8601). *Schizaphis graminum* [Homoptera: Aphididae] on spring wheat. 9 Jul 1986. USA: Apple Valley Rd. & Klahr Rd., Parma, Idaho.

2360 MC Rombach (041186-1). 4 Nov 1986. Location not specified.

2401 [ESALQ 478] SB Alves. *Solenopsis invicta* [Hymenoptera: Formicidae]. Oct 1986. Brazil: Mato Grosso.

2402 [ESALQ 483] SB Alves. *Solenopsis invicta* [Hymenoptera: Formicidae]. Sep 1986. Brazil: Mato Grosso.

2403 [ESALQ 484] SB Alves. *Solenopsis invicta* [Hymenoptera: Formicidae]. Sep 1986. Brazil: Mato Grosso.

2404 [ATCC 20872; ESALQ 447] SB Alves. *Solenopsis invicta* [Hymenoptera: Formicidae]. Sep 1986. Brazil: Mato Grosso.

2417 [SBI 87-1] H David. *Emmalocera depressella* [Lepidoptera: Phycitinae]. Acc'd 19 May 1987. India.

2427 DG Holdom (100287-2a). *Nilaparvata lugens* [Homoptera: Delphacidae]. 10 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2430 SV Krueger. *Blissus leucopterus* [Hemiptera: Lygaeidae]. Mar 1980. USA: Wakefield, Kansas.

2454 [NCTC 2227] UAMH (1514) ← IMI (12942) ← T Petch. [Diptera]. Rec'd 1 Jun 1987. Sri Lanka.

2455 UAMH (4132) ← GS Bulmer (05-78). *Alligator mississippiensis* [Crocodylia: Alligatoridae]. May 1978. USA: City Zoo, Oklahoma City, Oklahoma.

2457 TJ Poprawski (8701) ← AJ Nasca (Bb-T11). *Nezara viridula* [Hemiptera: Pentatomidae]. 1984. Argentina: Tucumán.

2458 TJ Poprawski (8702). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 27 Mar 1987. France: Béhoust, Yvelines.

2461 TJ Poprawski (8706). Adult, *Lygus pratensis* [Hemiptera: Miridae]. 26 Mar 1987. France: Béhoust, Yvelines.

2462 TJ Poprawski (8707). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 3 Jun 1987. France: Béhoust, Yvelines.

2463 TJ Poprawski (8710). Adult, *Galerucina* sp. [Coleoptera: Chrysomelidae]. 2 Feb 1987. France: Béhoust, Yvelines.

2484 SR Sánchez Peña (Trachym 1). *Atta mexicana* [Hymenoptera: Formicidae]. 20 Dec 1986. Mexico: El Fuerte, Sinaloa.

2485 SR Sánchez Peña (Trachym 2). *Atta mexicana* [Hymenoptera: Formicidae]. 20 Dec 1986. Mexico: El Fuerte, Sinaloa.

2486 SR Sánchez Peña (Trachym 3). *Atta mexicana* [Hymenoptera: Formicidae]. 20 Dec 1986. Mexico: El Fuerte, Sinaloa.

2487 SR Sánchez Peña. [Hymenoptera: Formicidae]. 13 Jun 1987. Mexico: Monterrey, Nuevo León.

2509 [CP 229] DR Sosa-Gómez. *Maecolaspis monrosi* [Coleoptera: Chrysomelidae]. 8 Apr 1986. Argentina: La Virginia, Tucumán.

2511 [CP 221] F Moscardi. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. Acc'd 8 Dec 1987. Brazil: CNPS, Londrina, Paraná.

2512 [CP 237] J Maria. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 29 Jun 1987. Brazil: Manaus, Amazonas.

2515 [CP 227] DR Sosa-Gómez. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1986. Argentina: Blanco Pozo, Tucumán.

2516 [CP 228] DR Sosa-Gómez. *Nezara viridula* [Hemiptera: Pentatomidae]. Jun 1986. Argentina: Yerba Bueno, Tucumán.

2519 [CP 223] F Moscardi. *Podisus* sp. [Hemiptera: Pentatomidae]. 1984. Brazil: CNPS, Londrina, Paraná.

2520 [CP 222] F Moscardi. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 1983. Brazil: CNPS, Londrina, Paraná.

2544 SR Sánchez Peña. [Homoptera: Cicadidae]. 20 Nov 1987. Mexico: San Pedro (Chipinque), Nuevo Leon.

2555 DG Boucias (5788). Acc'd 7 Mar 1988. Location not specified.

2557 S Sandoval (95). Adult, [Coleoptera: Cerambycidae]. Acc'd 18 Mar 1988. Ecuador.

2559 [ARSEF 2638; CP 230] SB Alves (290). *Anthonomus grandis* [Coleoptera: Curculionidae]. Acc'd 13 Apr 1988. Brazil: ESALQ, Piracicaba, São Paulo.

2570 C Bradley (GMP1). Pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 16 Jun 1988. USA: woodlot, nr. Dover, Delaware.

2571 C Bradley (GMP2). Pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 16 Jun 1988. USA: woodlot, nr. Dover, Delaware.

2572 C Bradley. *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 16 Jun 1988. USA: woodlot, nr. Dover, Delaware.

2573 C Bradley. *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 16 Jun 1988. USA: woodlot, nr. Dover, Delaware.

2579 JJ Jackson. *Diabrotica barberi* [Coleoptera: Chrysomelidae]. 18 Jul 1988. USA: laboratory colony, Brookings, South Dakota.

2580 MD Bryan. Adult, *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Jul 1988. USA: laboratory cages, field collected population, Niles, Michigan.

2597 RC Rajak (ENT/42). *Hyblaea puer* [Lepidoptera: Hyblaeidae] on teak, *Tectona grandis*. Acc'd 12 Sep 1988. India.

2619 SB Alves (721). *Brassolis sophorea* [Lepidoptera: Brassolidae]. Apr 1988. Brazil: Moju, Pará.

2621 SB Alves (726). Rec'd 7 Oct 1988. Location not specified.

2624 [CP 239] Reisolate from *Cosmopolites sordidus* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1988. Location not specified.

2625 [CNPAF 88-5-6; CP 240] DW Roberts ← EC de Moura. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 6 May 1988. Brazil: CNPAF, Goiânia, Goiás.

2626 [CNPAF 88-5-6A; CP 241] DW Roberts ← EC de Moura. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 6 May 1988. Brazil: CNPAF, Goiânia, Goiás.

2629 [CNPAF Pl-196; CP 244] DW Roberts ← Planalsucar. *Diatraea saccharalis* [Lepidoptera: Pyralidae]. 11 Feb 1985. Brazil: Usina Salgado, Ipojuca, Pernambuco.

2630 [CNPAF 63; CP 246] DW Roberts ← SB Alves. 5 Oct 1984. Brazil: Piracicaba, São Paulo.

2631 [CNPAF 258; CP 247] DW Roberts ← SB Alves. 5 Oct 1984. Brazil: Piracicaba, São Paulo.

2632 [CNPAF 267; CP 248] DW Roberts ← SB Alves. 5 Dec 1984. Brazil: Piracicaba, São Paulo.

2633 [CNPAF 268; CP 249] DW Roberts ← SB Alves. Larva, [Lepidoptera]. 9 Feb 1983. Brazil: Piracicaba, São Paulo.

2636 [CNPAF 88-6-17; CP 254] DW Roberts ← SM dos Santos. Laboratory contaminant. 17 Jun 1988. Brazil: CNPAF, Goiânia, Goiás.

2637 [CNPAF 88-6-22; CP 255] DW Roberts ← E Dias Quintela. Larva, [Lepidoptera]. 22 Jun 1988. Brazil: Caucaia, Ceará.

2638 [ARSEF 2559; CP 230] DW Roberts ← SB Alves (290). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1988. Brazil: ESALQ, Piracicaba, São Paulo.

2639 DW Roberts ← SB Alves (292). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1988. Brazil: ESALQ, Piracicaba, São Paulo.

2642 DW Roberts ← SB Alves (695). *Metamasius hemipterus* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1988. Brazil: Londrina, Paraná.

2676 WA Gardner and RD Harrison. Adult, *Curculio caryae* [Coleoptera: Curculionidae] on pecan. 25 Aug 1988. USA: Griffin, Georgia.

2685 [IMI 327908] C Prior (Kenya 1). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Kenya.

2686 [IMI 327909] C Prior (Kenya 2). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Kenya.

2687 [IMI 330194] C Prior (Kenya 3). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Kenya.

2688 [IMI 327910] C Prior (Togo 1). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.

2689 [IMI 329064] C Prior (Togo 2). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.

2690 [IMI 329065] C Prior (Togo 3). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.

2691 [IMI 329066] C Prior (Togo 4). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.

2692 [IMI 329067] C Prior (Togo 5). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Togo.

2693 [IMI 327906] C Prior. *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 19 Mar 1989. Mexico.

2695 Abbott Laboratories (89-201). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 24 Mar 1989. Commonwealth of Independent States.

2722 [Evans BioControl 447] B Bennett. *Solenopsis* sp. [Hymenoptera: Formicidae]. Acc'd 30 May 1989. Brazil.

2723 [Evans BioControl 479] B Bennett. *Solenopsis* sp. [Hymenoptera: Formicidae]. Acc'd 30 May 1989. Brazil.

2725 GW Riethmacher (B10C). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 4 Mar 1989. Philippines: La Trinidad, Benguet.

2727 GW Riethmacher (L1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 27 Jan 1989. Philippines: La Trinidad, Benguet.

2728 GW Riethmacher (L2). *Plutella xylostella* [Lepidoptera: Plutellidae]. 27 Jan 1989. Philippines: La Trinidad, Benguet.

2729 GW Riethmacher (L3). *Plutella xylostella* [Lepidoptera: Plutellidae]. 17 Mar 1989. Philippines: La Trinidad, Benguet.

2737 GW Riethmacher (BP). *Bombyx mori* [Lepidoptera: Bombycidae]. 23 Dec 1988. Philippines: La Trinidad, Benguet.

2739 GW Riethmacher (BB). Boverin formulation passed through *Plutella xylostella* [Lepidoptera: Plutellidae]. 28 Dec 1988. Philippines: La Trinidad, Benguet.

2748 GW Riethmacher (B13A). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 11 Mar 1989. Philippines: Atok, Benguet.

2831 AE Hajek ← K Tatman (MD99#6). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1989. USA: Baltimore County, Maryland. Identification verified genomically.

2857 SR Sánchez Peña (3-2). Pupa, [Lepidoptera]. Jul 1987. Mexico: Pueblo Nuevo, Durango.

2860 MG Feng (SG8702). *Schizaphis graminum* [Homoptera: Aphididae] on spring wheat. 17 Jul 1987. USA: Parma, Idaho.

2861 MG Feng (DN8803). *Diuraphis noxia* [Homoptera: Aphididae] on spring wheat. 7 Jul 1988. USA: Parma, Idaho.

2864 MG Feng (DN8804). *Diuraphis noxia* [Homoptera: Aphididae] on spring wheat. 19 Jul 1988. USA: Parma, Idaho.

2869 J Peña ← J Fortier. *Bephratelloides cubensis* [Hymenoptera: Eurytomidae]. 7 Jul 1989. USA: Homestead, Florida.

2879 MG Feng (DN8805). *Diuraphis noxia* [Homoptera: Aphididae] on late spring barley. 27 Jul 1988. USA: Parma, Idaho.

2880 MG Feng (SG8701). *Schizaphis graminum* [Homoptera: Aphididae] on spring wheat. 17 Jul 1987. USA: Parma, Idaho.

2881 MG Feng (SG8801). *Schizaphis graminum* [Homoptera: Aphididae] on late spring barley. 28 Jul 1988. USA: Parma, Idaho.

2882 MG Feng (DN8806). *Diuraphis noxia* [Homoptera: Aphididae] on spring wheat. 19 Jul 1988. USA: Parma, Idaho.

2883 [ARSEF 2336] MG Feng (SGBB8601). *Schizaphis graminum* [Homoptera: Aphididae] on winter wheat. Jun 1986. USA: Parma, Idaho.

2938 [CP 270] SP Wraight ← R da Silva Carvalho. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 8 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.

2942 [CP 274] SP Wraight ← MGA de Lima. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 28 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.

2943 [CP 275] SP Wraight ← SM dos Santos and DR Sosa-Gómez. [Hymenoptera: Vespidae]. 8 Dec 1988. Brazil: CNPAF, Goiânia, Goiás.

2944 [CP 276] SP Wraight ← LG Leite. [Hymenoptera: Vespidae]. 16 Dec 1988. Brazil: CNPAF, Goiânia, Goiás.

2945 [CP 290] SP Wraight ← SB Alves. *Anthonomus grandis* [Coleoptera: Curculionidae]. 1988. Brazil: Piracicaba, São Paulo.

2946 [CP 281] SP Wraight ← SB Alves. *Anthonomus grandis* [Coleoptera: Curculionidae]. 1988. Brazil: Piracicaba, São Paulo.

2953 [UAF 189] DC Steinkraus. Adult, *Musca domestica* [Diptera: Muscidae]. 21 Jul 1989. USA: dairy farm, Cayuga County, New York.

2957 CENARGEN (CG 145). Rec'd 14 Mar 1990. Brazil: Manaus, Amazonas.

2961 CENARGEN (CG 165). *Lagria vilosa* [Coleoptera: Lagriidae]. Rec'd 14 Mar 1990. Brazil: Formosa, Goiás.

2962 CENARGEN (CG 166). Egg, *Schirius* sp. [Lepidoptera: Saturniidae]. Rec'd 14 Mar 1990. Brazil: Curitiba, Paraná.

2972 K Ostrovska. *Phlebotomus papatasi* [Diptera: Psychodidae]. Rec'd 1 Oct 1991. United Kingdom: laboratory colony, London School for Tropical Medicine & Hygiene, London, England.

2976 DM Schmidt. *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. 14 Mar 1990. USA: Centre County, Pennsylvania.

2983 T Searle (CW1). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1988. Canada: Saint-Jean, Québec.

2984 T Searle (CW2). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1988. Canada: Saint-Jean, Québec.

2985 T Searle (CW3). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1989. Canada: Saint-Jean, Québec.

2986 T Searle (CW4). Adult, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1989. Canada: Saint-Jean, Québec.

2987 T Searle (LD1). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.

2988 T Searle (LD2). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.

2989 T Searle (LD3). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.

2990 T Searle (LD4). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.

2991 T Searle (LD5). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.

3018 CENARGEN (CG 68). *Forficula auricularia* [Dermaptera: Forficulidae]. Apr 1988. Brazil: Brasília, Distrito Federal.

3019 CENARGEN (CG 69). *Deois flavopicta* [Homoptera: Cercopidae]. Apr 1988. Brazil: Brasília, Distrito Federal.

3020 CENARGEN (CG 86). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 20 Jul 1990. Brazil: Pernambuco.

3037 W Mechaber (weevil#2354). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Gaylussacia baccata*. 20 May 1990. USA: Carver, Massachusetts.

3040 WE Jones (SHB). [Coleoptera: Scolytidae] inside macadamia nut kernel. May 1990. USA: Kona, Island of Hawaii, Hawaii.

3041 WE Jones (499v2). *Reticulitermes flavipes* [Isoptera: Rhinotermitidae]. Rec'd 7 Aug 1990. Canada: Toronto, Ontario.

3055 [MAF F6] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: South Island. Presumtive ID; no conidia or raches seen.

3063 [MAF F13] T Glare. *Sitona* sp. [Coleoptera: Curculionidae]. Rec'd Oct 1990. New Zealand: South Island.

3065 [MAF F28] T Glare. *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd Oct 1990. New Zealand: South Island.

3066 [MAF F29] T Glare. *Paropsis charybdis* [Coleoptera: Chrysomelidae]. Rec'd Oct 1990. New Zealand: South Island.

3070 [MAF F33] T Glare. *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: Christchurch, South Island.

3086 J Peña ← H Glenn. *Leptoglossus fulvicornis* [Hemiptera: Coreidae] on holly. 7 Sep 1990. USA: Homestead, Florida.

3097 Fermone Corporation (FCI-7744). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 18 Oct 1990. USA: Rio Grande Valley, Texas. **RESTRICTED ACCESS:** *contact Curator*.

3098 L Loch ← G Albuquerque. *Oryzophagus oryzae* [Coleoptera: Curculionidae] on rice. Rec'd 29 Oct 1990. Brazil: Pôrto Alegre, Rio Grande do Sul.

3111 DW Watson (P 89) ← L Meinke. *Diabrotica virgifera* [Coleoptera: Chrysomelidae]. 13 Sep 1990. USA: Mead, Nebraska.

3112 JK Cawthra and CJ Geden (P 89). [Coleoptera: Staphylinidae] originally from beef feed lot. 10 Sep 1990. USA: laboratory colony, Lincoln, Nebraska.

3113 [CIRI Anderson Isolate] LC Lewis. Soil isolate passed through *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Apr 1990. Laboratory manipulation: Iowa State Univ. Research Farm.

3120 G Mercadier and TJ Poprawski (8851). [Homoptera: Aphididae] on *Senecio* sp. 10 Jun 1988. France: Béhoust, Yvelines.

3121 G Mercadier and TJ Poprawski (8852). [Homoptera: Aphididae] on *Urtica* sp. 10 Jun 1988. France: Garancières, Yvelines.

3153 G Mercadier and TJ Poprawski (8809A). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 14 Jun 1988. Turkey: Beypazari, Ankara.

3154 G Mercadier and TJ Poprawski (8809B). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 14 Jun 1988. Turkey: Beypazari, Ankara.

3155 G Mercadier and TJ Poprawski (8809C). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 14 Jun 1988. Turkey: Akyurt, Ankara.

3156 G Mercadier and TJ Poprawski (8809D). *Diuraphis noxia* [Homoptera: Aphididae] on barley. Jun 1988. Turkey: Akyurt, Ankara.

3157 G Mercadier and TJ Poprawski (8809E). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 14 Jun 1988. Turkey: Güdül, Ankara.

3158 G Mercadier and TJ Poprawski (8809G). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 13 Jun 1988. Turkey: Karasar, Ankara.

3166 G Mercadier and TJ Poprawski (8835A). *Diuraphis noxia* [Homoptera: Aphididae] on barley. Jun 1988. Turkey: Beypazari, Ankara.

3167 G Mercadier and TJ Poprawski (8835B). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 13 Jun 1988. Turkey: Ayas, Ankara.

3168 G Mercadier and TJ Poprawski (8835C). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 12 Jun 1988. Turkey: Sirkeli, Ankara.

3169 G Mercadier and TJ Poprawski (8835D). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 13 Jun 1988. Turkey: Urus.

3181 GW Riethmacher (B37a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 12 Mar 1990. Philippines: Plaridel, Quezon.

3197 GW Riethmacher (Bet1). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.

3198 GW Riethmacher (Bet2). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.

3199 GW Riethmacher (Bet3). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.

3215 G Mercadier and TJ Poprawski (8854 (second form)). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 27 Nov 1990. Laboratory manipulation. Reisolate of ARSEF 3122.

3219 [CP 478(479?)] DW Roberts ← JM Gomes. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Rec'd 8 Feb 1991. Brazil.

3285 J Gutierrez Samperio (1) ← ERD Reyes. *Atta* sp. [Hymenoptera: Formicidae]. 1987. Mexico: Monterrey, Nuevo León.

3286 J Gutierrez Samperio (2) ← ERD Reyes. *Spodoptera littoralis* [Lepidoptera: Noctuidae]. 1987. France: Montpellier, Hérault.

3287 J Gutierrez Samperio (3) ← ERD Reyes. *Diabrotica* sp. [Coleoptera: Chrysomelidae] on corn. 1988. Mexico: Colima.

3288 J Gutierrez Samperio (4) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.

3309 J Gutierrez Samperio (25) ← ERD Reyes. *Diabrotica balteata* [Coleoptera: Chrysomelidae] on corn. 1990. Mexico: Colima.

3310 J Gutierrez Samperio (26) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Comala, Colima.

3311 J Gutierrez Samperio (27) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.

3312 J Gutierrez Samperio (28) ← ERD Reyes. [Homoptera: Membracidae] on sugar cane. 1990. Mexico: Cuauhtémoc, Colima.

3385 I Majchrowicz (25-a). *Myzus persicae* [Homoptera: Aphididae] on potato. 11 Jul 1991. USA: Orchard Farm, Yakima, Washington.

3386 I Majchrowicz (23). [Coleoptera: Carabidae] nr. potato plants. 3 Jul 1991. USA: garden nr. USDA laboratory, Yakima, Washington.

3403 MS Goettel. *Ceutorhynchus litura* [Coleoptera: Curculionidae]. Rec'd 6 Mar 1992. Location not specified.

3404 AE Hajek (24). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: C & O Canal, Allegany County, Maryland.

3437 [CATIE 1] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Rec'd 28 Oct 1991. Costa Rica: Turrialba, Cartago.

3438 [CATIE 2] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.

3439 [CATIE 3] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.

3440 [CATIE 4] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.

3441 [CATIE 5] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.

3442 [CATIE 6] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.

3443 [CATIE 7] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.

3444 [CATIE 8] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.

3445 [CATIE 9] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.

3446 [CATIE 10] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.

3447 [CATIE 11] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.

3448 [CATIE 12] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.

3449 [CATIE 13] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.

3450 [CATIE 14] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.

3451 [CATIE 15] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.

3452 [CATIE 16] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.

3453 [CATIE 17] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.

3454 [CATIE 18] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.

3455 [CATIE 19] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.

3456 [CATIE 20] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.

3457 [CATIE 21] TG Zoebisch. [Coleoptera: Languriidae] on *Macadamia integrifolia*. Sep 1991. Costa Rica: Turrialba, Cartago.

3460 SV Krueger (540). Soil. Jun 1991. USA: Smith Forest, Trumansburg, New York.

3462 MS Goettel (MISI). Soil. 12 Jul 1991. Canada: nr. Magrath, Alberta.

3477 CENARGEN (CG 187). Soil. 1990. Brazil: Pelotas, Rio Grande do Sul.

3513 I Quintela (VL5). Rec'd 13 Dec 1991. Location not specified.

3514 I Quintela (VL6). Rec'd 13 Dec 1991. Colombia.

3515 I Quintela (VL7). Rec'd 13 Dec 1991. Location not specified.

3516 I Quintela. Rec'd 13 Dec 1991. Location not specified.

3527 AE Hajek (58a). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: nr. Ruckersville, Greene County, Virginia.

3528 AE Hajek (61c). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Jun 1991. USA: Belle Acre, Allegheny County, Pennsylvania.

3530 AE Hajek (220b). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: nr. Piclic Run, Allegany County, Maryland.

3534 SM DeFazio and PD McKown (C-7). *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Nov 1991. Location not specified.

3543 M Brownbridge (B-33). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 19 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.

3607 IMI (I91-612). *Anacridium aegyptium*. Rec'd 26 Feb 1992. Greece: Crete.

3620 IMI (Mycotech). *Melanoplus* sp. [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. USA. **RESTRICTED ACCESS:** *contact Curator*.

3622 IMI (331275). [Orthoptera]. Rec'd 26 Feb 1992. USA.

3667 AE Hajek (BFMS). [Coleoptera: Curculionidae]. Apr 1991. USA: New York.

3681 LS Osborne. Organic Naturalis. Rec'd Apr 1992. Location not specified.

3716 RA LeBrun ← J Hanula (C-2). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1992. Location not specified.

3717 RA LeBrun ← J Hanula (C-3). *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1991. Location not specified.

3734 SB Alves (447). Rec'd 12 Jun 1992. Location not specified.

3769 DC Steinkraus. *Lygus lineolaris* [Hemiptera: Miridae]. 12 Jun 1992. USA: Little River County, Arkansas.

3818 ERD Reyes (BbCO1). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] coffee. 9 Oct 1992. Mexico: Oaxaca.

3819 ERD Reyes (BbCO2). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on coffee. 9 Oct 1992. Mexico: Oaxaca.

3825 S Walsh (3762T5) ← ARSEF (3762). Rec'd 19 Feb 1993. Laboratory manipulation.

3858 [JB Tavares BRA-000035] MS Tigano-Milani (CG-86). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 13 Jan 1993. Brazil.

3866 LA Lacey (92214). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Crete.

3867 LA Lacey (92178) ← A Farias. *Diuraphis noxia* [Homoptera: Aphididae]. 28 Jul 1992. France: Montpellier, Hérault.

3890 [ARSEF 3385] N Underwood (U3385). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

3891 [ARSEF 3166] N Underwood (3166). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

3892 N Underwood (2457). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

3897 LA Lacey (92219). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Iráklion, Crete.

3905 [ARSEF 2882] N Underwood (U2882). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

3906 [ARSEF 1555] N Underwood (U1555). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

3907 [ARSEF 2320] N Underwood (U2320). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

3908 [ARSEF 3908] N Underwood (U3908). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

3927 DR Sosa-Gómez (CNPSo-Bb46). Host not specified. Rec'd Jun 1993. Location not specified. Reisolate of either ARSEF 944 or 933: not specified.

3934 DR Sosa-Gómez (CNPSo-Bb56). Host not specified. Rec'd Jun 1993. Location not specified. Reisolate of either ARSEF 944 or 933: not specified.

3937 DR Sosa-Gómez (CNPSo-P23). [Lepidoptera: Noctuidae: Plusiinae]. 19 Jan 1990. Brazil: Londrina, Paraná.

3965 LA Lacey (93002) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.

3966 LA Lacey (93003) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.

3967 LA Lacey (93004) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.

3968 LA Lacey (93005) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.

3969 LA Lacey (93006) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.

3970 LA Lacey (93007) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.

3972 LA Lacey (93009) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.

3973 LA Lacey (93010) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.

3974 LA Lacey (93011) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.

3975 LA Lacey (93012) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.

3977 LA Lacey (93014) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.

3978 LA Lacey (93015) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.

3979 LA Lacey (93016) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.

3995 LA Lacey (93032) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.

3996 LA Lacey (93033) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.

3999 LA Lacey (93036) ← Hermes. [Homoptera: Membracidae]. 4 Apr 1993. Brazil: Bahia.

4001 [A Mesquita] LA Lacey (93038). *Crimissa cruralis* [Coleoptera: Chrysomelidae]. 3 May 1993. Brazil: Pacajus, Ceará.

4012 T Steenberg (194) ← M Steen. *Delia radicum* [Diptera: Anthomyiidae]. Jul 1989. Denmark: Insect Rearing Unit, Zealand.

4013 T Steenberg (195) ← A Kirkeby-Thomse. *Sitona lineatus* [Coleoptera: Curculionidae]. Sep 1993. Denmark: Copenhagen, Tåstrup, Zealand.

4014 T Steenberg (195-S) ← A Kirkeby-Thomse. Sep 1989. Laboratory manipulation: Single spore isolate of ARSEF 4013.

4015 T Steenberg (196) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae]. Sep 1989. Denmark: Falster, Storstrøm.

4016 T Steenberg (201) ← V Langer. *Sitona lineatus* [Coleoptera: Curculionidae] on white clover. Mar 1990. Denmark: Ringsted, Zeeland.

4017 T Steenberg (201-S) ← V Langer. Mar 1990. Laboratory manipulation: Single spore isolate of ARSEF 4016.

4018 T Steenberg (202) ← J Eilenberg. *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Mar 1990. Denmark: Jægerspris, Zealand.

4019 T Steenberg (205) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae]. Mar 1990. Denmark.

4021 T Steenberg (212) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae] on pea. Jul 1990. Denmark: Pajbjerg, Jutland.

4023 T Steenberg (217). *Apion* sp. [Coleoptera: Curculionidae] on alfalfa. Oct 1990. Denmark: Copenhagen, Tåstrup, Zealand.

4026 T Steenberg (228). Phylum Arthropoda, Class Insecta soil. Nov 1990. Denmark: Næstved, Zeeland.

4028 T Steenberg (233) ← CW Riedel. *Tachyporus sp.* [Coleoptera: Staphylinidae]. Jan 1991. Denmark: Svanholm, Zeeland.

4030 Acc'd 8 Dec 1993.

4031 T Steenberg (237) ← CW Riedel. *Amara plebeja* [Coleoptera: Carabidae]. Jan 1991. Denmark: Foulum, Jutland.

4032 T Steenberg (238) ← CW Riedel. *Bembidion lampros* [Coleoptera: Carabidae]. Jan 1991. Denmark: Svanholm, Zeeland.

4034 T Steenberg (240). *Amara familiaris* [Coleoptera: Carabidae]. Mar 1991. Denmark: Copenhagen, Tåstrup, Zealand.

4035 T Steenberg (244) ← A Kirkeby-Thomse. [Heteroptera: Miridae] Alfalfa. Sep 1991. Denmark: Copenhagen, Tåstrup, Zealand.

4038 T Steenberg (253). *Hypera postica* [Coleoptera: Curculionidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.

4041 T Steenberg (261). *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.

4046 T Steenberg (276) ← V Langer. *Anotylus sp.* [Coleoptera: Staphylinidae]. Nov 1991. Denmark: Copenhagen, Tåstrup, Zealand.

4049 T Steenberg (298). *Hypera postica* [Coleoptera: Curculionidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.

4051 T Steenberg (349). *Anotylus rugosus* [Coleoptera: Staphylinidae]. Nov 1992. Denmark: Brenderup, Fyn.

4052 T Steenberg (355). [Coleoptera: Curculionidae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.

4053 T Steenberg (356). *Lygus sp.* [Heteroptera: Miridae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.

4054 T Steenberg (359). *Gyrohypnus angustatus* [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.

4055 T Steenberg (362). [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Brenderup, Fyn.

4056 T Steenberg (365). *Anotylus rugosus* [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Brenderup, Fyn.

4057 T Steenberg (426). [Heteroptera]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.

4091 LA Lacey (94001). *Tibraca limbativentres* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.

4092 LA Lacey (94002). *Nezara viridula* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.

4093 LA Lacey (94003). *Nezara viridula* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.

4099 [ARSEF 2879] J McManus (DnBb2g4p.ss1). *Diuraphis noxia* [Homoptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolate of ARSEF 4108.

4100 [ARSEF 2879] J McManus (DnBb2g4p.ss2). *Diuraphis noxia* [Homoptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolate of ARSEF 4108.

4101 [ARSEF 2879] J McManus (DnBb2g4p.ss3). *Diuraphis noxia* [Homoptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolate of ARSEF 4108.

4106 JD Vandenberg (DnBb2i3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4107 JD Vandenberg (DnBb2h2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4108 JD Vandenberg (DnBb2g2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4109 JD Vandenberg (DnBb2d2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4110 JD Vandenberg (DnBb2b2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4111 JD Vandenberg (DnBb2e2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4112 JD Vandenberg (DnBb2f2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4113 JD Vandenberg (DnBb1a3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4114 JD Vandenberg (DnBb1b3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4115 JD Vandenberg (DnBb1c3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4116 JD Vandenberg (DnBb1d3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4117 JD Vandenberg (DnBb1e3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4118 JD Vandenberg (DnBb1f3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4119 JD Vandenberg (DnBb1g3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4120 JD Vandenberg (DnBb1h4p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4121 JD Vandenberg (DnBb1j4p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

4130 [DAT 7; RJ Milner Fl1] AC Rath (F007). *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 12 Jul 1979. Australia: Guyra, New South Wales.

4135 [DAT 15] AC Rath (F015). Larva, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 9 Mar 1986. Australia: Laboratory, Newtown, Tasmania.

4136 [DAT 17] AC Rath (F017). Larva, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 9 Mar 1986. Australia: Laboratory, Newtown, Tasmania.

4150 [DAT 144] AC Rath (F144). Nymph, *Phaulacridium vittatum* [Orthoptera: Acrididae]. 23 Jun 1989. Australia: Glen Morey, Woodbury, Tasmania.

4200 LA Lacey (94013) ← La Casa. Larva, *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 28 Feb 1993. Spain: Murcia.

4222 [DAT 224] AC Rath (F224) ← H Yip (HY137). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.

4240 [DAT 309] AC Rath (F309) ← H Yip (HY50). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.

4258 [DAT 49] AC Rath (F049). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 6 Nov 1987. Australia: Sorell, Tasmania.

4261 [DAT 251] AC Rath (F251) ← H Yip (HT109). Soil. 8 Jun 1988. Australia: Forcett, Tasmania.

4271 [DAT 232] AC Rath (F232) ← H Yip (HY129). Soil. 18 Jul 1988. Australia: Elverton, Blessington, Tasmania.

4273 [DAT 9] AC Rath (F009) ← Pinnock. Larva, *Oncopera* sp. [Lepidoptera: Hepialidae]. 1983. Australia: South Australia.

4274 [DAT 143] AC Rath (F143). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 23 Jun 1989. Australia: Glen Morey, Woodbury, Tasmania.

4276 [DAT 99] AC Rath (F099) ← H Yip. Soil. 7 Jan 1988. Australia: Weld Pass, Tasmania.

4285 [DAT 199] AC Rath (F199) ← H Yip (HY162). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.

4289 [DAT 500] AC Rath (F500). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.

4297 [DAT 85] AC Rath (F085) ← H Yip. Soil. Rec'd 6 Jun 1994. Australia: Mt. Wellington, Hobart, Tasmania.

4300 [DAT 276] AC Rath (F276) ← H Yip (HY84). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.

4301 [DAT 328] AC Rath (F328) ← H Yip (HY30). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.

4305 [DAT 327] AC Rath (F327) ← H Yip (HY31). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.

4320 [DAT 334] AC Rath (F334) ← H Yip (HY25). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania.

4326 [DAT 288] AC Rath (F288) ← H Yip (HY72). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.

4353 [DAT 335] AC Rath (F335) ← H Yip (HY24). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania.

4356 [DAT 243] AC Rath (F243) ← H Yip (HY118). Soil. Rec'd 6 Jun 1994. Australia: Latrobe, Tasmania.

4377 LA Lacey (94106). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.

4378 LA Lacey (94107). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.

4379 LA Lacey (94108). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.

4382 LA Lacey (94140) ← CAAS (93.1). [Coleoptera]. 7 May 1994. Location not specified.

4462 J McManus (DnBb203PSS#1). *Diuraphis noxia* [Homoptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derrived from a diamond back moth isolation named 5BSS#4.

4463 J McManus (DnBb203PSS#2). *Diuraphis noxia* [Homoptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derrived from a diamond back moth isolation named 5BSS#4.

4464 J McManus (DnBb203PSS#3). *Diuraphis noxia* [Homoptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derrived from a diamond back moth isolation named 5BSS#4.

4523 JD Vandenberg (APH3). [Homoptera: Aphididae] broccoli. Rec'd 13 Jul 1994. USA: Ontario County, New York.

4524 JD Vandenberg (APH6). [Homoptera: Aphididae] broccoli. Rec'd 13 Jul 1994. USA: Ontario County, New York.

4525 JD Vandenberg (DBM1b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] on broccoli. 30 Aug 1993. USA: Ontario County, New York.

4526 JD Vandenberg (DBM1b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4527 JD Vandenberg (DBM2a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4528 JD Vandenberg (DBM2b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4529 JD Vandenberg (DBM3a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4530 JD Vandenberg (DBM3b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4531 JD Vandenberg (DBM4a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4532 JD Vandenberg (DBM4b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4533 JD Vandenberg (DBM5a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4534 JD Vandenberg (DBM5b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4535 JD Vandenberg (DBM6a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4536 JD Vandenberg (DBM6b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4537 JD Vandenberg (DBM8a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4538 JD Vandenberg (DBM8b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4539 JD Vandenberg (DBM10b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.

4540 J Altre (BB5B#1). 4th instar larva, *Plutella xylostella* [Lepidoptera: Plutellidae] Artificial diet. 25 Apr 1994. USA: USDA-ARS-PPRU, Ithaca, New York. Single spore isolate of ARSEF 4534.

4543 J Altre (BB5B#4). 4th instar larva, *Plutella xylostella* [Lepidoptera: Plutellidae] Artificial diet. 25 Apr 1994. USA: USDA-ARS-PPRU, Ithaca, New York. Single spore isolate of ARSEF 4534.

4564 [DAT 307] AC Rath (F307) ← H Yip (HY52). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.

4571 [DAT 336] AC Rath (F336) ← H Yip (HY23). Soil. 6 Jan 1988. Australia: Silver Falls, Hobart, Tasmania.

4583 [DAT 305] AC Rath (F305) ← H Yip (HY54). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.

4589 [DAT 42] AC Rath (F42) ← RJ Milner (Fl25). Larva, *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 13 Feb 1980. Australia: Ebor, New South Wales.

4607 [DAT 41] AC Rath (F041) ← RJ Milner (Fl17). Larva, *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 6 Dec 1976. Australia: Ebor, New South Wales.

4611 [DAT 90] AC Rath (F090). Soil. 28 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.

4612 [DAT 95] AC Rath (F095). Soil. 6 Jan 1988. Australia: Mt. Welllington, Hobart, Tasmania.

4616 [DAT 84] AC Rath (F084). Soil. 30 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

4644 [DAT 329] AC Rath (F329) ← H Yip (HY29). Soil. 7 Jan 1988. Australia: Welborough, Tasmania.

4658 [DAT 102] AC Rath (F102). Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.

4670 [DAT 219] AC Rath (F219) ← H Yip (HY142). Soil. 23 Aug 1988. Australia: Edith Creek, Tasmania.

4672 [DAT 48] AC Rath (F048). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 30 Sep 1987. Australia: Plenty, Tasmania.

4685 [DAT 115] AC Rath (F115). Soil. 14 Jan 1988. Australia: Lockfaine Benham, Avoca, Tasmania.

4688 KT Hodge (kth24). [Odonata: suborder Anisoptera]. 31 Aug 1994. USA: Cornell University wildflower garden, Ithaca, New York.

4691 J McManus (DnBb30.252.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. Manipulation., Ithaca, New York. Reisolate of ARSEF 252. Passed through RWA.

4692 J McManus (DnBb30.320.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 320 passed through RWA.

4693 J McManus (DnBb30 and 708.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 708 passed through RWA.

4694 J McManus (DnBb25 and 2882.3Pss#1). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 2882 passed through RWA.

4695 J McManus (DnBb30 and 2883.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 2883 passed through RWA.

4696 J McManus (DnBb30 and 3385.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 3385 passed through RWA.

4697 J McManus (DnBb25 and F-1.3Pss#1). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. An isolate from grasshoppers named F-2 was passed through and reisolated from RWA during a screening assay.

4721 [DAT 140] AC Rath (F140). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. Spring 1989. Australia: Glen Morey, Woodbury, Tasmania.

4741 [DAT 330] AC Rath (F330) ← H Yip (HY28). Soil. 1 Jun 1988. Australia: St Mary's, Tasmania.

4744 [DAT 346] AC Rath (F346) ← H Yip (HY13). Soil. 30 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

4745 [DAT 347] AC Rath (F347) ← H Yip (HY11). Soil. 28 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

4798 J Brito (7A). *Cosmopolites sordidus* [Coleoptera: Curculionidae]. Rec'd 14 Oct 1994. West Africa: Cape Verde Islands.

4799 J Brito (14A). *Cosmopolites sordidus* [Coleoptera: Curculionidae]. Rec'd 14 Oct 1994. West Africa: Cape Verde Islands.

4866 BL Parker (AVRDC-0511B). Soil. 10 Nov 1994. Republic of China: AVRDC Field #92, Taiwan.

4973 J McManus (HcBbV64 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. Rec'd 30 Oct 1995. USA: Laboratory conditions, Ithaca, New York.

4974 J McManus (HcBbF66.1 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.

4975 J McManus (HcBbF66.2 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.

4976 J McManus (DnBbV64.1 2p). Adult, *Diuraphis noxia* [Homoptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.

4977 J McManus (DnBbV64.2 2p). Adult, *Diuraphis noxia* [Homoptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.

4978 J McManus (DnBbV64.3 2p). Adult, *Diuraphis noxia* [Homoptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.

4979 J McManus (DnBbV64.4 2p). Adult, *Diuraphis noxia* [Homoptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.

4981 LA Lacey (95036) ← TJ Poprawski. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.

4982 LA Lacey (95037) ← TJ Poprawski. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.

4983 LA Lacey (95038) ← TJ Poprawski. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.

4984 LA Lacey (95039) ← TJ Poprawski. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.

5064 LA Lacey (95056). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.

5066 LA Lacey (95058). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.

5067 LA Lacey (95059). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.

5069 LA Lacey (95060). [Hymenoptera: Formicidae]. 12 Oct 1995. France: Port d' Hérault.

5070 LA Lacey (95062). *Tomicus minor* [Coleoptera: Scolytidae]. 5 Oct 1995. France: Lodéve, Hérault.

5071 LA Lacey (95063). *Tomicus minor* [Coleoptera: Scolytidae]. 5 Oct 1995. France: Lodéve, Hérault.

5072 LA Lacey (95064). [Coleoptera: Cerambycidae]. 6 Oct 1995. France: Lodéve, Hérault.

5148 DL Hostetter (T090). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae] soil, pasture. 29 Jan 1996. Portugal: Terceira Island, Azores.

5150 DL Hostetter (T103). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae] soil, pasture. 29 Jan 1996. Portugal: Terceira Island, Azores.

5169 S Gouli (GA-81). [Lepidoptera: Tortricidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.

5170 S Gouli (GA-82). *Adelges tsugae* [Homoptera: Adelgidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.

5171 S Gouli (GA-83). *Adelges tsugae* [Homoptera: Adelgidae] on *Tsuga canadensis*. 14 Feb 1996. USA: Mt. Tom, Holyoke, Massachusetts.

5172 S Gouli (GA-84). [Araneida: Araneae]. 29 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.

5173 S Gouli (GA-85). [Araneida: Araneae]. 24 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.

5195 RA LeBrun. Larva, *Lilioceris lilii* [Coleoptera: Chrysomelidae]. Rec'd 20 May 1996. URI.

5229 LA Lacey (96007). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d´ Hérault, Hérault.

5230 LA Lacey (96008). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d´ Hérault, Hérault.

5231 LA Lacey (96009). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d´ Hérault, Hérault.

5233 LA Lacey (96011). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d´ Hérault, Hérault.

5234 LA Lacey (96012). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d´ Hérault, Hérault.

5235 LA Lacey (96013). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d´ Hérault, Hérault.

5273 SARL (33) ← SP Wraight (SARL 33) ← APHIS (WFP-361) and LA Lacey (92221). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Crete.

5274 SARL (41) ← SP Wraight (Lacey 92221-Bt1) ← L Lacey (92221-Bt1) and SARL (33). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.

5275 SARL (106) ← SP Wraight (252-Bt-1; SPW-42) ← ARSEF (252). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.

5276 SARL (107) ← SP Wraight (252 Bt-2; SPW-43) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.

5277 SARL (108) ← SP Wraight (252-Bt-3; SPW-44) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.

5278 SARL (110) ← SP Wraight (252-Bt-1) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.

5279 SARL (111) ← SP Wraight (252-Bt-3) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.

5280 SARL (112) ← SP Wraight (252-BT-4) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.

5281 SARL (122) ← SP Wraight (252-Bt-5) ← ARSEF (252) ← SARL (22). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.

5282 SARL (123) ← SP Wraight (252-Bt-6) ← SARL (22) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Apr 1993. Location not specified: Laboratory manipulation.

5283 SARL (133) ← SARL (133) ← SP Wraight (252-Bt-1) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. Rec'd 9 Aug 1996. USA: Laboratory manipulation/Field trail, Phoenix, Arizona.

5284 SARL (134) ← SP Wraight (252-BT-2) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. Rec'd 9 Aug 1996. USA: Laboratory manipulation/Field trail, Phoenix, Arizona.

5285 SARL (144) ← SP Wraight (252-Bt-x3) ← ARSEF (252). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.

5286 SARL (155) ← TJ Poprawski ← ARSEF (252). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 9 Aug 1996. Location not specified.

5287 SARL (160) ← RI Carruthers, JC Legaspi and TJ Poprawski (9436). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.

5288 SARL (161) ← RI Carruthers, JC Legaspi and TJ Poprawski (9446). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.

5289 SARL (162) ← RI Carruthers, JC Legaspi and TJ Poprawski (9432). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.

5290 SARL (163) ← RI Carruthers, JC Legaspi and TJ Poprawski (9474). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.

5291 SARL (164) ← RI Carruthers, JC Legaspi and TJ Poprawski (9499). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.

5292 SARL (165) ← RI Carruthers, JC Legaspi and TJ Poprawski (9494). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.

5293 SARL (166) ← RI Carruthers, JC Legaspi and TJ Poprawski (9485). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.

5294 SARL (167) ← RI Carruthers, JC Legaspi and TJ Poprawski (9480). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.

5295 SARL (168) ← RI Carruthers, JC Legaspi and TJ Poprawski (9429). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.

5296 SARL (169) ← RI Carruthers, JC Legaspi and TJ Poprawski (9423). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.

5339 DW Watson (P 89) ← CJ Geden (P 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Powell Farm, Seneca County, New York.

5340 DW Watson (L 89) ← CJ Geden (L 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Lockwood Farm, Cayuga County, New York.

5341 DW Watson (W 89) ← CJ Geden (W 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Wood Farm, Schuyler County, New York.

5342 DW Watson (B 90) ← CJ Geden (B 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Bishop Farm, Cayuga County, New York.

5343 DW Watson (D 90) ← CJ Geden (D 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Dann Farm, Tompkins County, New York.

5344 DW Watson (H 90) ← CJ Geden (H 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Howland Farm, Tioga County, New York.

5345 DW Watson (L 90) ← CJ Geden (L 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Lockwood Farm, Cayuga County, New York.

5347 DW Watson (W 90) ← CJ Geden (W 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Wood Farm, Schuyler County, New York.

5370 I Klingen (NCRI 2-96 (B2)). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] Soil sample (loam). 10 May 1996. Norway: Border vegetation of cereal field, Bjørnebekk (59.43° N), Ås, Akershus. **RESTRICTED ACCESS:** *contact Curator*.

5436 TJ Poprawski (TJP901) ← G Mercadier (EBCL 97001). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.

5437 TJ Poprawski (TJP902) ← G Mercadier (EBCL 97002). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.

5438 TJ Poprawski (TJP903) ← G Mercadier (EBCL 97003). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.

5439 TJ Poprawski (TJP904) ← G Mercadier (EBCL 97004). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.

5440 TJ Poprawski (TJP905) ← G Mercadier (EBCL 97005). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.

5441 TJ Poprawski (TJP906) ← G Mercadier (EBCL 97027). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.

5442 TJ Poprawski (TJP907) ← G Mercadier (EBCL 97028). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.

5443 TJ Poprawski (TJP908) ← G Mercadier (EBCL 97016). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5444 TJ Poprawski (TJP909) ← G Mercadier (EBCL 97017). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5445 TJ Poprawski (TJP910) ← G Mercadier (EBCL 97018). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5446 TJ Poprawski (TJP911) ← G Mercadier (EBCL 97019). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5447 TJ Poprawski (TJP912) ← G Mercadier (EBCL 97020). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5448 TJ Poprawski (TJP913) ← G Mercadier (EBCL 97021). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5449 TJ Poprawski (TJP914) ← G Mercadier (EBCL 97022). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5450 TJ Poprawski (TJP915) ← G Mercadier (EBCL 97023). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5451 TJ Poprawski (TJP916) ← G Mercadier (EBCL 97024). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5452 TJ Poprawski (TJP917) ← G Mercadier (EBCL 97025). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5453 TJ Poprawski (TJP918) ← G Mercadier (EBCL 97026). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5454 TJ Poprawski (TJP919) ← G Mercadier (EBCL 97011). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5455 TJ Poprawski (TJP920) ← G Mercadier (EBCL 97012). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5456 TJ Poprawski (TJP921) ← G Mercadier (EBCL 97013). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5457 TJ Poprawski (TJP922) ← G Mercadier (EBCL 97014). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5458 TJ Poprawski (TJP923) ← G Mercadier (EBCL 97015). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5459 TJ Poprawski (TJP924) ← G Mercadier (EBCL 97029). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.

5460 TJ Poprawski (TJP925) ← G Mercadier (EBCL 97030). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.

5465 TJ Poprawski (TJP930). Overwintering adult, *Galerucella sp.* [Coleoptera: Chrysomelidae]. Rec'd 9 May 1997. USA: USDA-APHIS-PPQ Biocontrol Laboratory, Mission, Texas.

5466 TJ Poprawski (TJP931). Soil. 19 Nov 1996. USA: potato field sprayed with Mycotrol-ES; 10 cm deep., Larimore, North Dakota.

5467 TJ Poprawski (TJP932). Soil. 19 Nov 1996. USA: potato field sprayed with Mycotrol-ES; 20 cm deep., Larimore, North Dakota.

5477 G Mercadier (EBCL 97006). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.

5478 G Mercadier (EBCL 97007). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5479 G Mercadier (EBCL 97008). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5480 G Mercadier (EBCL 97009). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5481 G Mercadier (EBCL 97010). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5482 G Mercadier (EBCL 97032). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.

5483 G Mercadier (EBCL 97033). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.

5484 G Mercadier (EBCL 97034). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.6, Toumbokri.

5485 G Mercadier (EBCL 97036). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.

5486 G Mercadier (EBCL 97037). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.

5487 G Mercadier (EBCL 97038). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.

5488 G Mercadier (EBCL 97039). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5489 G Mercadier (EBCL 97040). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5490 G Mercadier (EBCL 97041). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.

5492 M Brownbridge (MLC8). *Paraclemensia acerifoliella* [Lepidoptera: Incurvariidae]. Rec'd 16 May 1997. USA: Randolph, Vermont.

5493 M Brownbridge (FREY2). *Aphis gossypii* [Homoptera: Aphididae]. Rec'd 16 May 1997. USA: Pennsylvania.

5494 M Brownbridge (FREY3). *Aphis gossypii* [Homoptera: Aphididae]. Rec'd 16 May 1997. USA: Pennsylvania.

5495 M Brownbridge (EW1). [Dermaptera]. Rec'd 16 May 1997. USA: Burlington, Vermont.

5496 M Brownbridge (EW2). [Dermaptera]. Rec'd 16 May 1997. USA: Burlington, Vermont.

5500 C López Lastra ← G Dalbello (#6). Larva, *Diatraea saccharalis* [Lepidoptera: Pyralidae]. 1993. Argentina: Oliveros, Santa Fe.

5501 C López Lastra ← G Dalbello (#7). *Xanthogaleruca luteola* [Coleoptera: Chrysomelidae] on *Ulmus* sp. . 1994. Argentina: La Plata, Buenos Aires.

5502 C López Lastra ← G Dalbello (#8). Larva, *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 12 Jun 1997. Argentina: Oliveros, Santa Fe.

5510 I Klingen (TØF 15.2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 25 Sep 1996. Norway: Steinkjer, Nord Trøndelag. **RESTRICTED ACCESS:** *contact Curator*.

5533 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.

5534 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.

5535 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.

5536 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.

5537 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.

5553 LK Rieske-Kinney. *Odontota dorsalis* [Coleoptera: Chrysomelidae]. Rec'd 14 Oct 1997.

5557 I Klingen (STF 14.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 27 Sep 1996. Norway: Harstad, Troms. **RESTRICTED ACCESS:** *contact Curator*.

5573 N Mihelcic. *Rhyacionia frustrana* [Lepidoptera: Tortricidae]. Rec'd 17 Nov 1997. USA: loblolly pine plantation, Clarke County, Georgia.

5623 I Vänninen (SF86-9). Larva, *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 28 Aug 1986. Finland: Närpiö, Vaasan Lääni.

5629 ST Jaronski (ER13). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.

5630 ST Jaronski (ER14). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.

5631 ST Jaronski (ER15). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.

5632 ST Jaronski (ER28). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.

5633 ST Jaronski (ER36). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.

5634 ST Jaronski (ER37). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.

5635 ST Jaronski (ER47). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.

5636 ST Jaronski (ER50). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.

5637 ST Jaronski (ER54). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.

5638 ST Jaronski (ER61). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.

5639 ST Jaronski (ER65). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.

5640 ST Jaronski (ER68). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.

5641 ST Jaronski (ER70). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.

5642 ST Jaronski (ER82). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.

5643 ST Jaronski (ER86). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.

5645 [IITA 184] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae]. 4 Sep 1996. Benin: IITA field, Cotonou, Atlantique.

5646 [IITA 185] A Cherry. *Coniesta sp.* [Lepidoptera: Pyralidae]. 12 Sep 1996. Benin: Monkassa, Malanville, Borgou.

5647 [IITA 279] A Cherry. *Acigona sp.* [Lepidoptera: Pyralidae]. 7 Oct 1996. Benin: Massin, Malanville, Borgou.

5648 [IITA 295] A Cherry. *Acigona sp.* [Lepidoptera: Pyralidae]. 7 Oct 1996. Benin: Bussokari, Malanville, Borgou.

5649 [IITA 313] A Cherry. *Sesamia calamistis* [Lepidoptera: Noctuidae]. 19 Nov 1996. Benin: Soclogbo, Dassa.

5650 [IITA 478] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Nigeria: Ikom, Cross River.

5651 [IITA 479] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Nigeria: Ikom, Cross River.

5652 [IITA 480] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Benin: IITA field, Cotonou, Atlantique.

5653 [IITA 581] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae] from forest soil. 24 Oct 1997. Benin: Bassia-P.

5654 [IITA 583] A Cherry. *Sesamia calamistis* [Lepidoptera: Noctuidae]. 24 Oct 1997. Benin: Serou, Djougou, Atakora.

5655 [IITA 584] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae]. 24 Oct 1997. Benin: Serou, Djougou, Atakora.

5665 BL Parker (SPT-002). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Karabyykly, Narli, Kahraman Maras.

5667 BL Parker (SPT-008). Soil. 17 Jan 1998. Turkey: Karabyykly, Narli, Kahraman Maras.

5668 BL Parker (SPT-010). [Coleoptera]. 18 Jan 1998. Turkey: Hurbit Mountain, Hatay.

5669 BL Parker (SPT-018). [Coleoptera: Scarabaeidae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.

5670 BL Parker (SPT-019). [Coleoptera: Elateridae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.

5671 BL Parker (SPT-021). Leaf litter. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.

5672 BL Parker (SPT-022). [Coleoptera: Adephaga]. 19 Jan 1998. Turkey: Belen, Gaziantep.

5673 BL Parker (SPT-023). Leaf litter. 19 Jan 1998. Turkey: Belen, Gaziantep.

5674 BL Parker (SPT-032). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.

5704 JL Hatting (2). *Bombyx mori* [Lepidoptera: Bombycidae]. Nov 1998. South Africa: Bethlehem, Orange Free State.

5705 JL Hatting (PPRI 6688). *Diuraphis noxia* [Homoptera: Aphididae] on *Triticum aestivum*. 4 Sep 1997. South Africa: Langgewens, Western Cape Province.

5724 L Erkiliç (Pazarcik/Karabiyikli-1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 29 Mar 1998. Turkey: Pazarcik, Kahraman Maras.

5725 L Erkiliç (Hursit Dagi-1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 31 Mar 1998. Turkey: Gaziantep, Gaziantep.

5737 ST Jaronski (SP14). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.

5738 ST Jaronski (SP16). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.

5740 MCHCA Bernal (BbGC1). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Rec'd Jun 1998. Mexico: Colima.

5741 MCHCA Bernal (BbGC2). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Aug 1994. Mexico: Ocotlán, Jalisco.

5742 MCHCA Bernal (BbGC5). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Aug 1994. Mexico: Ocotlán, Jalisco.

5743 MCHCA Bernal (BbGC8). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. 1995. Mexico: Zapotitlán, Jalisco.

5744 MCHCA Bernal (BbGC9). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. 1995. Mexico: Zapotitlán, Jalisco.

5745 MCHCA Bernal (BbGC11). *Phyllophaga* sp. [Coleoptera: Scarabaeidae]. Oct 1996. Mexico: Cofradía de la luz, Jalisco.

5753 BL Parker (SPT 001). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Korabiyikli, Narli, Kahraman Maras.

5762 BL Parker (SPT 046). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Korabiyikli, Narli, Kahraman Maras.

5767 BL Parker (AT 036). *Adelges tsugae* [Homoptera: Adelgidae]. 9 May 1997. USA: Gillette Castle State Park, Connecticut.

5768 BL Parker (AT 050). *Adelges tsugae* [Homoptera: Adelgidae]. 9 May 1997. USA: Lovingston, Virginia.

5769 BL Parker (AT 052). *Adelges tsugae* [Homoptera: Adelgidae]. 9 May 1997. USA: Lovingston, Virginia.

5770 [ERL 101] S Gouli (AT-086) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 21 Sep 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5796 BL Parker (HWA 289/1). *Adelges tsugae* [Homoptera: Adelgidae]. 27 May 1997. USA: Forest Park, Massachusetts.

5807 B Broadbent (BB001). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] from laboratory colony, Agriculture and Agri-Food Canada. 22 Jul 1996. Canada: London, Ontario.

5808 B Broadbent (BB008). Adult, *Lygus lineolaris* [Hemiptera: Miridae] on *Medicago sativa*. 17 Jun 1998. USA: Ulster County, New York.

5813 LS Bauer. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] from laboratory colony, USDA Forest Service, NCRS. Rec'd 20 Aug 1998. USA: East Lansing, Michigan.

5836 T Steenberg (SSL 6). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from adult *Sitona lineatus* [Coleoptera: Curculionidae].

5838 T Steenberg (SSL 25). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from an unidentified mite [Arachnida: Acari].

5839 T Steenberg (SSL 27). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from *Tachyporus*sp. [Coleoptera: Staphylinidae].

5840 T Steenberg (SSL 28). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from unidentified curculionid beetle [Coleoptera: Curculionidae].

5843 T Steenberg (SSL 55). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated *Anotylus*sp. [Coleoptera: Staphylinidae].

5853 T Steenberg (SSL 448). *Sminthurus viridis* [Collembola: Sminthuridae] on white clover. Aug 1995. Denmark: Copenhagen, Tåstrup, Zealand.

5857 T Steenberg (SSL 608). Adult, *Ahasverus advena* [Coleoptera: Cucujidae: Silvaninae]. Feb 1997. Denmark: Broiler house, Hesselager, Funen.

5861 T Steenberg (SSL 627). Adult, *Musca domestica* [Diptera: Muscidae]. Jul 1997. Denmark: Stable, Lynge, Zealand.

5862 T Steenberg (SSL 628). Adult, *Haematobia irritans* [Diptera: Muscidae]. Jul 1997. Denmark: Store Vildmose, Jutland.

5863 T Steenberg (SSL 631). Adult, *Musca domestica* [Diptera: Muscidae]. Jul 1997. Denmark: Stable, Lynge, Zealand.

5864 T Steenberg (SSL 633). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Store Vildmose, Jutland.

5865 T Steenberg (SSL 634). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Jenslev, Hornsherred, Zealand.

5866 T Steenberg (SSL 638). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Jenslev, Hornsherred, Zealand.

5867 T Steenberg (SSL 641). Adult, *Haematobia irritans* [Diptera: Muscidae]. Aug 1997. Denmark: Ramløse, Zealand.

5886 FE Vega (EBCL 98029). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.

5887 FE Vega (EBCL 98031). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.

5888 FE Vega (EBCL 98032). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.

5956 JL Stimac (UF 434). *Solenopsis invicta* [Hymenoptera: Formicidae]. Feb 1986. Brazil: Mato Grosso.

5957 JL Stimac (UF 440). *Solenopsis invicta* [Hymenoptera: Formicidae]. Feb 1986. Brazil: Mato Grosso.

5958 JL Stimac (UF 485). *Solenopsis saevissima* [Hymenoptera: Formicidae]. Feb 1987. Brazil: Piracicaba, São Paulo.

5960 JL Stimac (UF 555). *Solenopsis invicta* [Hymenoptera: Formicidae]. Jun 1987. Brazil: Mato Grosso.

5961 JL Stimac (UF 557). *Solenopsis invicta* [Hymenoptera: Formicidae]. Jun 1987. Brazil: Mato Grosso.

5962 JL Stimac (UF 560). *Solenopsis invicta* [Hymenoptera: Formicidae]. May 1987. Brazil: Mato Grosso.

5963 JL Stimac (UF 590). *Solenopsis saevissima* [Hymenoptera: Formicidae]. Feb 1987. Brazil: Piracicaba, São Paulo.

5964 JL Stimac (UF 608). From nest soil of *Solenopsis*Sep 1987. Brazil: Mato Grosso.

5965 JL Stimac (UF 614). *Solenopsis saevissima* [Hymenoptera: Formicidae]. Jul 1987. Brazil: Lavras, Minas Gerais.

5966 JL Stimac (UF 876). *Solenopsis quinquecuspis* [Hymenoptera: Formicidae]. Jul 1989. Uruguay: Colonia.

5967 JL Stimac (UF 893). *Solenopsis invicta* [Hymenoptera: Formicidae]. Mar 1989. Uruguay: Parque Sta Teresa.

5968 JL Stimac (UF 900). *Solenopsis quinquecuspis* [Hymenoptera: Formicidae]. Mar 1989. Brazil: Rio Grande do Sul.

5969 JL Stimac (UF 901). *Solenopsis saevissima* [Hymenoptera: Formicidae]. Mar 1989. Brazil: Rio Grande do Sul.

5970 JL Stimac (UF 18A10). *Solenopsis xyloni* [Hymenoptera: Formicidae]. May 1995. USA: Bakersfield, California.

5971 JL Stimac (UF 19A4). *Solenopsis xyloni* [Hymenoptera: Formicidae]. May 1995. USA: Bakersfield, California.

5972 JL Stimac (UF 19D2). *Solenopsis xyloni* [Hymenoptera: Formicidae]. May 1995. USA: Bakersfield, California.

5973 JL Stimac (UF FP112C1). *Solenopsis invicta* [Hymenoptera: Formicidae]. Apr 1989. USA: Gainesville, Florida.

5974 JL Stimac (UF SP32). *Solenopsis invicta* [Hymenoptera: Formicidae]. Apr 1989. USA: Gainesville, Florida.

5977 JL Stimac (UF 5715). *Scapteriscus vicinus* [Orthoptera: Gryllotalpidae]. Rec'd 23 Nov 1998. USA: Florida.

5978 JL Stimac (UF 5781). [Hemiptera]. Sep 1988. USA: Gainesville, Florida.

5979 JL Stimac (UF 5782). [Coleoptera]. Sep 1988. USA: Gainesville, Florida.

5980 JL Stimac (UF 5783). Isolated from soil sample. Rec'd 23 Nov 1998. USA: Alachua, Florida.

5981 JL Stimac (UF 5792). *Cylas formicarius elegantulus* [Coleoptera: Curculionidae: Apioninae]. Jan 1990. USA: Homestead, Florida.

5982 JL Stimac (UF 5820). *Cylas formicarius elegantulus* [Coleoptera: Curculionidae: Apioninae]. Rec'd 23 Nov 1998. Peru: Carabayllo.

5983 JL Stimac (UF 5822). *Premnotryes latithorax* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1998. Peru: Huancayo, Junín.

5984 JL Stimac (UF 5823). *Premnotryes latithorax* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1998. Peru: Huamachuco, La Libertad.

5985 JL Stimac (UF 5838). [Hymenoptera: subord. Symphyta]. Rec'd 23 Nov 1998. USA: Gainesville, Florida.

5986 JL Stimac (UF 5849). *Metamasius callizona* [Coleoptera: Curculionidae]. Rec'd 23 Nov 1998. USA: Gainesville, Florida.

5987 JL Stimac (UF 5850). *Oxyops vitiosa* [Orthoptera: Acrididae]. Apr 1994. Australia: Queensland.

5988 JL Stimac (UF 5873). *Simyra henrici* [Lepidoptera: Noctuidae]. Apr 1995. USA: Lake Apopka, Florida.

5989 JL Stimac (UF 5888). *Apis mellifera* [Hymenoptera: Apidae]. Rec'd 23 Nov 1998. USA: Gainesville, Florida.

5991 JL Stimac (UF BEarwig). [Dermaptera]. 1995. USA: Gainesville, Florida.

5997 KT Hodge. Adult, *Ortholeptura valida* [Coleoptera: Cerambycidae] in leaf litter. 22 Oct 1998. USA: McDonald Forest, Oak Creek entrance, Benton County, Oregon. Specimen deposited in Oregon State University Herbarium as 67890.

6008 BL Parker ← V Gouli (SPT-R-134). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Sep 1998. Russian Federation: Volgograd.

6009 BL Parker ← V Gouli (SPT-R-145). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6011 BL Parker ← V Gouli (SPT-R-159). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6013 BL Parker ← V Gouli (SPT-R-162). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6014 BL Parker ← V Gouli (SPT-R-170). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6015 BL Parker ← V Gouli (SPT-R-171). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6016 [ERL 418] S Gouli and V Gouli (SP-174). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6019 BL Parker ← V Gouli (SPT-R-184). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Sep 1998. Russian Federation: Volgograd.

6022 BL Parker ← V Gouli (SPT-R-200). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6027 BL Parker (AT-C-216). 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Tree Number 14, Sichuan Province.

6039 BL Parker ← V Gouli (SPT-R-148). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6040 BL Parker ← V Gouli (SPT-R-152). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6041 BL Parker ← V Gouli (SPT-R-153). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6042 BL Parker ← V Gouli (SPT-R-158). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6043 BL Parker ← V Gouli (SPT-R-161). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6055 BL Parker (SPT-U-250). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6056 BL Parker (SPT-U-251). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site b, SW of Samarkand, Mirankul region.

6057 BL Parker (SPT-U-253). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: SW of Sazagan, Sazagan.

6058 BL Parker (SPT-U-254). Adult, [Coleoptera: Scarabaeidae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.

6059 BL Parker (SPT-U-255). Pupa, [Coleoptera: Carabidae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.

6060 BL Parker (SPT-U-259). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6061 BL Parker (SPT-U-261). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6062 BL Parker (SPT-U-262). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6063 BL Parker (SPT-U-263). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6064 BL Parker (SPT-U-264). Adult, [Coleoptera: Tenebrionidae]. 13 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.

6065 BL Parker (SPT-U-267). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6066 BL Parker (SPT-U-268). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6067 BL Parker (SPT-U-269). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6069 BL Parker (SPT-U-272). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6070 BL Parker (SPT-U-273). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6072 BL Parker (SPT-U-291). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site b, SW of Samarkand, Mirankul region.

6073 BL Parker (SPT-U-292). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6074 BL Parker (SPT-U-293). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6075 BL Parker (SPT-U-294). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6076 BL Parker (SPT-U-300). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.

6077 BL Parker (SPT-U-305). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.

6078 BL Parker (SPT-U-308). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.

6079 BL Parker (SPT-U-310). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6083 BL Parker (SPT-U-260). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6086 BL Parker (SPT-2-309/2). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6087 BL Parker (SPT-2-312). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6088 BL Parker (SPT-2-315). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6089 BL Parker (SPT-2-318). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6090 BL Parker (SPT-2-319/2). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6091 BL Parker (SPT-2-321/1). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6092 BL Parker (SPT-U-323). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6093 BL Parker (SPT-U-326). Adult, *Aelia* sp. [Hemiptera: Pentatomidae]. 16 Jan 1999. Uzbekistan: Site c, SW of Samarkand, Mirankul region.

6095 BL Parker (SPT-U-335). Adult, [Coleoptera: Coccinellidae]. 17 Jan 1999. Uzbekistan: GPS coordinates - N 39°53.843', E 067°41.643'.

6096 BL Parker (SPT-U-338). Adult, [Coleoptera: Tenebrionidae]. Jan 1999. Uzbekistan: GPS coordinates - N 39°26.295', E 067°20.041'.

6099 BL Parker (SPT-U-354/2). Adult, [Coleoptera: Carabidae]. 13 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.

6100 BJ Hicks (A). *Panolis flammea* [Lepidoptera: Noctuidae]. Rec'd Jan 1999. United Kingdom: Moray District, Scotland.

6101 BJ Hicks (B). *Panolis flammea* [Lepidoptera: Noctuidae]. Rec'd Jan 1999. United Kingdom: Moray District, Scotland.

6109 BL Parker (SPT-U-257). Pupa, [Lepidoptera]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.

6111 BL Parker (SPT-U-295). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6112 BL Parker (SPT-U-296). Adult, [Coleoptera: Coccinellidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6113 BL Parker (SPT-U-297). Adult, [Coleoptera: Tenebrionidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6115 BL Parker (SPT-U-349). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site b, SW of Samarkand, Mirankul region.

6147 HK Kaya (2). Pupa, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 25 Jan 1999. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.

6148 HK Kaya (5). Pupa, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 25 Jan 1999. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.

6149 BL Parker (SPT-3-372). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Feb 1999. Syria: Al Kseabiia.

6150 SP Wraight (DBM 28° #2 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 28°C. **RESTRICTED ACCESS:** *contact Curator*.

6151 SP Wraight (DBM 28° #3 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 28°C. **RESTRICTED ACCESS:** *contact Curator*.

6152 SP Wraight (DBM 31° #1 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 31°C. **RESTRICTED ACCESS:** *contact Curator*.

6153 SP Wraight (DBM 31° #2 5P). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Apr 1999. USA: Ithaca, New York. Laboratory re-isolation from Mycotech GHA Lot #10/23/97 after 5 serial passes through *Plutella xylostella* grown at 31°C. **RESTRICTED ACCESS:** *contact Curator*.

6177 BJ Hicks (1). *Panolis flammea* [Lepidoptera: Noctuidae]. Jul 1998. United Kingdom: Dallas Forest, Moray District, Scotland.

6178 BJ Hicks (2). *Panolis flammea* [Lepidoptera: Noctuidae]. Jul 1998. United Kingdom: Dallas Forest, Moray District, Scotland.

6181 FE Vega (EBCL 99004). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 6 Oct 1998. Bulgaria: Plovdiv.

6182 FE Vega (EBCL 99013). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 18 Dec 1998. France: Andard.

6184 FE Vega (EBCL 99018). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 14 Jan 1999. France: Le Calvaire.

6185 FE Vega (EBCL 99020). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 13 Jan 1999. France: St. Marie aux Anglais.

6186 FE Vega (EBCL 99021). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 10 Dec 1998. France: Chez Moitou.

6187 FE Vega (EBCL 99022). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 21 Dec 1998. Bulgaria.

6189 FE Vega (EBCL 99025). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 22 Feb 1999. France: Arre.

6191 FE Vega (EBCL 99028). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 13 Jan 1999. France: Crèvecoeur.

6194 FE Vega (EBCL 99032). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 21 Dec 1998. Bulgaria.

6195 FE Vega (EBCL 99033). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 6 Oct 1998. Bulgaria: Plovdiv.

6196 FE Vega (EBCL 99034). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 18 Dec 1998. France: Andard.

6199 FE Vega (EBCL 99038). *Hedya nubiferana* [Lepidoptera: Tortricidae]. 31 Mar 1999. France: Layrac.

6201 FE Vega (EBCL 98027). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.

6205 FE Vega (EBCL 98041). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 1998. France: Pujaudrau.

6208 FE Vega (EBCL 98053). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.

6209 FE Vega (EBCL 98054). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.

6216 AE Hajek (5B). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York.

6217 AE Hajek (6B). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York.

6228 [RCEF 0039] Rec'd 24 Aug 1999. Romania.

6230 [RCEF 0300] [Orthoptera: Acrididae]. 20 Sep 1997. PR China: Anhui.

6231 [RCEF 0306] [Orthoptera]. 7 Jan 1998. PR China: Anhui.

6232 [RCEF 0418] [Orthoptera: Acrididae]. 20 Jul 1998. PR China: Anhui.

6233 [RCEF 0471] *Lymantria dissoluta* [Lepidoptera: Lymantriidae]. 27 Jan 1999. PR China: Anhui.

6234 [RCEF 0498] [Orthoptera: Tettigonioidea]. 27 Nov 1998. PR China: Anhui.

6387 TL Dubois (T7 (2) (2)) ← MT Smith. Larva, early instar, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on twig. May 1998. PR China.

6390 TL Dubois (HF 2 c 1). Egg, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on *Populus* sp. 8 Aug 1999. PR China: Anhui.

6391 TL Dubois (ST 1 # 1 (1)) ← SM Smith ← SA Teale. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on twigs of *Acer* sp. 2 Jul 1997. USA: Laboratory colony, SUNY College of Environmental Science and Forestry, Syracuse, New York. Laboratory colony started from host originally obtained from infested maple wood collected in New York, New York, USA 29 April 1997.

6393 TL Dubois (VD 12 rep b) ← V D'Amico. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. Rec'd 22 Dec 1999. USA: Laboratory colony, USDA Forest Service, Ansonia, Connecticut.

6404 B Tunali (27). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.

6426 B Tunali (28). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey.

6444 [ATCC 74250; Mycotech Corporation BB726, GHA] ST Jaronski. Laboratory reisolation from *Locusta migratoria*. Rec'd 3 Mar 2000. Patented, commercialized strain (Mycotrol?, BotaniGard?). **RESTRICTED ACCESS:** *consult Curator*.

6459 [CIAT 044] D Peck. Adult, *Zulia carbonaria* [Homoptera: Cercopidae]. 4 Aug 1999. Colombia: Santander de Quilichao, Cauca.

6471 SR Grugel. *Dectes texanus* [Coleoptera: Cerambycidae]. 3 Nov 1998. USA: Goodland, Kansas.

6478 BL Parker (SPT-KZ-375). Adult, [Coleoptera: Tenebrionidae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'. **RESTRICTED ACCESS:.**
contact Curator

6483 BL Parker (SPT-KZ-406). Adult, [Coleoptera: Tenebrionidae] overwintering in soil. 5 Feb 2000. Kazakhstan: GPS Coordinates N 44°13.034' E 077°41.315'. **RESTRICTED ACCESS:.**
contact Curator

6499 BL Parker (SPT-KR-452). Adult, [Coleoptera: Buprestidae] overwintering in soil. 11 Feb 2000. Kyrgyz Republic: GPS Coordinates N 43°40.597' E 075°02.855'. **RESTRICTED ACCESS:.**
contact Curator

6513 DEN Rangel (Inbioter1). *Polistes* sp. [Hymenoptera: Vespidae]. 30 Aug 1986. Brazil: native forest, Itatiba, São Paulo.

6514 DEN Rangel (Inbioter2). *Brassolis sophorea* [Lepidoptera: Brassolidae]. 26 Feb 1991. Brazil: coconut palm border, Pinheiros, São Paulo, São Paulo.

6526 FE Vega (EBCL 99046). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.

6527 FE Vega (EBCL 99048). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.

6528 FE Vega (EBCL 99055). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.

6529 FE Vega (EBCL 99057). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.

6530 FE Vega (EBCL 99059). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.

6531 FE Vega (EBCL 99070). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.

6532 FE Vega (EBCL 99071). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.

6552 D Chandler (HRI 342.92). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 13 Jul 2000. United Kingdom.

6553 D Chandler (HRI 347.92). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.

6555 D Chandler (HRI 365.92). Adult, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.

6556 D Chandler (HRI 367.93). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from woodland soil. Rec'd 13 Jul 2000. United Kingdom.

6557 D Chandler (HRI 373.93). Pupa, [Lepidoptera]. Rec'd 13 Jul 2000. United Kingdom.

6559 D Chandler (HRI 386.93). [Coleoptera]. Rec'd 13 Jul 2000. United Kingdom.

6560 D Chandler (HRI 397.93). [Coleoptera]. Rec'd 13 Jul 2000. United Kingdom.

6563 D Chandler (HRI 405.94). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.

6564 D Chandler (HRI 407.95). *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.

6565 D Chandler (HRI 417.96). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd 13 Jul 2000. United Kingdom.

6566 D Chandler (HRI 461.99). [Diptera: Sciaridae]. Rec'd 13 Jul 2000. United Kingdom.

6567 D Chandler (HRI 462.99). [Diptera: Ephydridae]. Rec'd 13 Jul 2000. United Kingdom.

6568 D Chandler (HRI 465.99). Adult, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.

6578 SB Krasnoff ← L Allee. Laboratory contaminant. Acc'd 19 Mar 2003. USA: Department of Entomology, Geneva Agricultural Experiment Station, Geneva, New York.

6612 JL Hatting (14). Rec'd 27 Sep 2000. Hungary: Budapest, Budapest.

6613 JL Hatting (17). Rec'd 27 Sep 2000. Hungary: Budapest, Budapest.

6614 JL Hatting (17). Rec'd 27 Sep 2000. Hungary: Budapest, Budapest.

6616 16 Aug 2000.

6617 Rec'd 27 Sep 2000.

6618 4 Aug 1999.

6620 Acc'd 19 May 2003.

6643 [NRRL 22865] KU Devi (4U). Rec'd Nov 2000.

6644 [NRRL 22866] KU Devi (5U). Rec'd Nov 2000.

6646 KU Devi (KB5). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Peanut fields, Visakhapatnam, Andhra Pradesh.

6647 KU Devi (LOCAL/UAS). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Peanut fields, Visakhapatnam, Andhra Pradesh.

6648 KU Devi (LOCAL/PIV). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Peanut fields, Visakhapatnam, Andhra Pradesh.

6650 KU Devi (PIV). *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Visakhapatnam, Andhra Pradesh.

6658 JM Sung (EFCC 6197). Acc'd 17 Jul 2003. Republic of Korea.

6660 MR McGuire (2-10). *Lygus hesperus* [Hemiptera: Miridae] on *Medicago sativa* L., alfalfa. 21 Nov 2000. USA: Scofield Avenue, 0.75 mile north of Merced on west side of road, Shafter, California.

6661 MR McGuire (5-43). *Lygus hesperus* [Hemiptera: Miridae] on *Medicago sativa* L., alfalfa. 21 Nov 2000. USA: NE corner of Scaroni and Burbank, Shafter, California.

6669 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Harae, Northern Shoa.

6676 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Dedeaa, Northern Shoa.

6681 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Berber, Northern Shoa.

6686 Larva, [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Tikur Inchhini, Western Shoa.

6687 Rec'd 17 Jan 2001. Ethiopia: Arba Minch Road, Bugae.

6688 Rec'd 17 Jan 2001. Ethiopia: Dila Road, Mugundo.

6689 [Coleoptera: Carabidae]. Rec'd 17 Jan 2001. Ethiopia: Awassa, Sidamo.

6690 [Araneida: Araneae]. Rec'd 17 Jan 2001. Ethiopia: Awassa, Sidamo.

6692 Adult, [Coleoptera]. Rec'd 17 Jan 2001. Ethiopia: Weldiya, Welo.

6693 Adult, [Coleoptera]. Rec'd 17 Jan 2001. Ethiopia: Debre Markos, Gojam.

6695 Adult, [Coleoptera]. Rec'd 17 Jan 2001. Ethiopia: Ashengae, Tigray.

6696 Adult, [Coleoptera]. Rec'd 17 Jan 2001. Ethiopia: Ashengae, Tigray.

6697 Adult, [Coleoptera]. Rec'd 17 Jan 2001. Ethiopia: Ashengae, Tigray.

6721 JM Sung (KECF-6200). [Coleoptera: Cerambycidae]. 25 Oct 2000. Republic of Korea: Mt. Daeyong, Chuncheon, Kangwon-do.

6722 JM Sung (KEFC-6240). [Hemiptera: Pentatomidae]. Nov 2000. Republic of Korea: Mt. Hiryang, Jechon.

6723 JM Sung (KEFC-6241). [Homoptera: Coccidae]. 27 Nov 2000. Republic of Korea: Mt. Hiryang, Jechon.

6793 G Mercadier (EBCL 00045). *Cephus* sp. [Hymenoptera: Cephidae]. Sep 1999. PR China: Site 1.

6794 G Mercadier (EBCL 00046). *Cephus* sp. [Hymenoptera: Cephidae]. Sep 1999. PR China: Site 5.

6795 G Mercadier (EBCL 00047). *Cephus* sp. [Hymenoptera: Cephidae]. Sep 1999. PR China: Site 6.

6796 G Mercadier (EBCL 00048). *Gymnancyla canella* [Lepidoptera: Pyralidae]. Oct 2000. France: Gros du Roi, Gard.

6801 Simonsen (p2-1c). *Leucoptera coffeella* [Lepidoptera: Lyonetiidae] on leaves of *Coffea arabica* L., coffee. 13 Jun 2000. Nicaragua: Carazo.

6802 Simonsen (p3-1f). *Leucoptera coffeella* [Lepidoptera: Lyonetiidae] on leaves of *Coffea arabica* L., coffee. 13 Jun 2000. Nicaragua: Carazo.

6803 Simonsen (p5-7d). *Leucoptera coffeella* [Lepidoptera: Lyonetiidae] on leaves of *Coffea arabica* L., coffee. 13 Jun 2000. Nicaragua: Carazo.

6804 Simonsen (p6-3h). *Leucoptera coffeella* [Lepidoptera: Lyonetiidae] on leaves of *Coffea arabica* L., coffee. 13 Jun 2000. Nicaragua: Carazo.

6805 Simonsen (p7-2f). *Leucoptera coffeella* [Lepidoptera: Lyonetiidae] on leaves of *Coffea arabica* L., coffee. 13 Jun 2000. Nicaragua: Carazo.

6806 Simonsen (p8-2d). *Leucoptera coffeella* [Lepidoptera: Lyonetiidae] on leaves of *Coffea arabica* L., coffee. 13 Jun 2000. Nicaragua: Carazo.

6807 Simonsen (p8-3a). *Leucoptera coffeella* [Lepidoptera: Lyonetiidae] on leaves of *Coffea arabica* L., coffee. 13 Jun 2000. Nicaragua: Carazo.

6808 Simonsen (p9-6a). *Leucoptera coffeella* [Lepidoptera: Lyonetiidae] on leaves of *Coffea arabica* L., coffee. 13 Jun 2000. Nicaragua: Carazo.

6809 Simonsen (p10(II)-1h). *Leucoptera coffeella* [Lepidoptera: Lyonetiidae] on leaves of *Coffea arabica* L., coffee. 13 Jun 2000. Nicaragua: Carazo.

6822 GM Duke. Rec'd 22 Mar 2001. GHA lab supply.

6823 GM Duke. Rec'd 22 Mar 2001. Mycotech F2 sanguinipes, 3/3/1990, 4/18/1990, sub A.

6824 GM Duke. Rec'd 22 Mar 2001. Batch 921114/2, 4 Dec 1992, sub A.

6825 GM Duke. Rec'd 22 Mar 2001. Mycotech F2 sanguinipes, 3/3/1990, 4/18/1990, sub B.

6826 GM Duke. Rec'd 22 Mar 2001. Batch 921114/2, 4 Dec 1992, sub B.

6884 G Neumann (HDM 1). *Otiorhynchus ligustici* [Coleoptera: Curculionidae]. 23 Mar 2001. Hungary: alfalfa field, Hódmezövásárhely, Csongrád.

6885 G Neumann (HDM 2). *Otiorhynchus ligustici* [Coleoptera: Curculionidae]. 23 Mar 2001. Hungary: alfalfa field, Hódmezövásárhely, Csongrád.

6894 E Zhioua (T82). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Rec'd May 2001.

6897 E Zhioua (Tick #3). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd May 2001.

6900 I Klingen (NCRI 2/01/Bb). Imago, *Ips stenographus* [Coleoptera: Scolytidae]. 23 Apr 2001. Norway: Sem, Asker, Akershus. **RESTRICTED ACCESS:** *contact Curator*.

6903 M Ghazavi (1). Pupa, *Rhynchophorus ferrugineus* [Coleoptera: Curculionidae]. 1 Jun 2000. Iran: Saravan, Sistan Va Baluchestan.

6904 M Ghazavi (2). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 6 Dec 1999. Iran: Karaj, Tehran.

6905 M Ghazavi (3). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Dec 1999. Iran: Elevation 2300 m., Atashgah.

6906 JR Fuxa (W-6291). *Coptotermes formosanus* [Isoptera: Rhinotermitidae] as bait from soil. Jun 1999. USA: Baton Rouge, Louisiana.

6907 JR Fuxa (W-7191). *Coptotermes formosanus* [Isoptera: Rhinotermitidae] as bait from soil. Jul 1999. USA: Lake Charles, Louisiana.

6908 JR Fuxa (W-8021). *Coptotermes formosanus* [Isoptera: Rhinotermitidae] as bait from soil. Aug 1999. USA: New Orleans, Louisiana.

6920 K Fry (ARC 4). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, greenhouse tomato crop. 31 Mar 1998. Canada: Gull Lake, Alberta. **RESTRICTED ACCESS:** *consult Curator*.

6921 K Fry (ARC 5). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, greenhouse tomato crop. 31 Mar 1998. Canada: Gull Lake, Alberta. **RESTRICTED ACCESS:** *consult Curator*.

6922 K Fry (ARC 6). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, greenhouse tomato crop. 31 Mar 1998. Canada: Gull Lake, Alberta. **RESTRICTED ACCESS:** *consult Curator*.

6923 K Fry (ARC 7). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, greenhouse tomato crop. 31 Mar 1998. Canada: Gull Lake, Alberta. **RESTRICTED ACCESS:** *consult Curator*.

6924 K Fry (ARC 8). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, greenhouse tomato crop. 31 Mar 1998. Canada: Gull Lake, Alberta. **RESTRICTED ACCESS:** *consult Curator*.

6929 ST Jaronski (TM07). Soil plated on oatmeal dodine agar. 2000. USA: Montana State University Eastern Experiment Station, sugarbeet field, Sidney, Montana.

6931 ST Jaronski (TM12). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: T Cayko Farm, sugarbeet field, Richland County, Montana.

6932 ST Jaronski (TM13). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: J. Damm Farm, sugarbeet field, Richland County, Montana.

6933 ST Jaronski (TM17). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: J. Damm Farm, sugarbeet field, Richland County, Montana.

6934 ST Jaronski (TM18). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: T Cayko Farm, sugarbeet field, Richland County, Montana.

6935 ST Jaronski (TM24). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: T Cayko Farm, sugarbeet field, Richland County, Montana.

6936 ST Jaronski (TM26). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: T Cayko Farm, sugarbeet field, Richland County, Montana.

6937 ST Jaronski (TM28). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: Montana State University Eastern Experiment Station, sugarbeet field, Sidney, Montana.

6938 ST Jaronski (TM30). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: D. Danielson Farm, sugarbeet field, Richland County, Montana.

6939 ST Jaronski (TM31). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: D. Danielson Farm, sugarbeet field, Richland County, Montana.

6940 ST Jaronski (TM36). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2002. USA: Montana State University Eastern Experiment Station, sugarbeet field, Sidney, Montana.

6941 ST Jaronski (TM37). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: Montana State University Eastern Experiment Station, sugarbeet field, Sidney, Montana.

6942 ST Jaronski (TM39). Soil. 2000. USA: T Cayko Farm, sugarbeet field, Richland County, Montana.

6943 ST Jaronski (TM40). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: Montana State University Eastern Experiment Station, sugarbeet field, Sidney, Montana.

6944 ST Jaronski (TM54). 2000. USA: J. Damm Farm, sugarbeet field, Richland County, Montana.

6945 ST Jaronski (TM64). 2002. USA: sugarbeet field, St. Thomas, North Dakota.

6946 ST Jaronski (TM66). 2000. USA: sugarbeet field, St. Thomas, North Dakota.

6947 ST Jaronski (TM67). 2000. USA: sugarbeet field, St. Thomas, North Dakota.

6948 ST Jaronski (TM68). 2000. USA: J. Damm Farm, sugarbeet field, Richland County, Montana.

6949 ST Jaronski (TM70). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: D. Danielson Farm, sugarbeet field, Richland County, Montana.

6950 ST Jaronski (TM71). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: T Cayko Farm, sugarbeet field, Richland County, Montana.

6951 ST Jaronski (TM72). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: Montana State University Eastern Experiment Station, sugarbeet field, Sidney, Montana.

6952 ST Jaronski (TM75). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: J. Damm Farm, sugarbeet field, Richland County, Montana.

6953 ST Jaronski (TM77). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 2000. USA: J. Damm Farm, sugarbeet field, Richland County, Montana.

6954 ST Jaronski (TM85). 2000. USA: T Cayko Farm, sugarbeet field, Richland County, Montana.

6955 ST Jaronski (TM88). 2000. USA: J. Damm Farm, sugarbeet field, Richland County, Montana.

6956 ST Jaronski (TM89). 2000. USA: D. Danielson Farm, sugarbeet field, Richland County, Montana.

6957 ST Jaronski (TM90). 2000. USA: Montana State University Eastern Experiment Station, sugarbeet field, Sidney, Montana.

6967 [PPRI 7040] JL Hatting. [Acari: Ixodidae]. Rec'd Jan 2002. Hungary.

6968 [PPRI 7041] JL Hatting. *Diuraphis noxia* [Homoptera: Aphididae]. 6 Jun 2000. Hungary: Plant Protection Research Institute, Budapest, Budapest.

6969 [PPRI 7042] JL Hatting. *Diuraphis noxia* [Homoptera: Aphididae]. 14 Jun 2000. Hungary: Plant Protection Research Institute, Budapest, Budapest.

6970 [PPRI 7043] JL Hatting. *Rhopalosiphum padi* [Homoptera: Aphididae]. Rec'd 29 Nov 2001. Hungary: Plant Protection Research Institute, Budapest, Budapest.

6971 [PPRI 7054] JL Hatting. Larva, *Monopetalotaxis doleriformis* [Lepidoptera: Sesiidae]. Mar 2001. South Africa: Ysterfontein, Clanwilliam, Cape Province.

6972 [PPRI 7055] JL Hatting. Larva, *Isturgia exerrariae* [Lepidoptera: Geometridae]. 24 Apr 2001. South Africa: ARC-Small Grain Institute Greenhouse, Bethlehem, Orange Free State.

6973 [PPRI 7056] JL Hatting. Larva, *Isturgia exerrariae* [Lepidoptera: Geometridae]. 23 May 2001. South Africa: Gifberg, Clanwilliam, Cape Province.

6974 [PPRI 7057] JL Hatting. Larva, *Monopetalotaxis doleriformis* [Lepidoptera: Sesiidae]. Nov 1999. South Africa: Ysterfontein, Clanwilliam, Cape Province.

6975 [PPRI 7058] JL Hatting. Larva, *Monopetalotaxis doleriformis* [Lepidoptera: Sesiidae]. Feb 2001. South Africa: Ysterfontein, Clanwilliam, Cape Province.

6976 [PPRI 7059] JL Hatting. Pupa, *Monopetalotaxis doleriformis* [Lepidoptera: Sesiidae]. Dec 2000. South Africa: Ysterfontein, Clanwilliam, Cape Province.

6977 [PPRI 7060] JL Hatting. Larva, *Monopetalotaxis doleriformis* [Lepidoptera: Sesiidae]. 17 May 2000. South Africa: Ysterfontein, Clanwilliam, Cape Province.

6978 [PPRI 7061] JL Hatting. *Diuraphis noxia* [Homoptera: Aphididae]. 17 Aug 2001. South Africa: ARC-Small Grain Institute Greenhouse, Bethlehem, Orange Free State.

6979 [PPRI 7062] JL Hatting. *Diuraphis noxia* [Homoptera: Aphididae]. 17 Aug 2001. South Africa: ARC-Small Grain Institute Greenhouse, Bethlehem, Orange Free State.

6980 [PPRI 7064] JL Hatting. *Diuraphis noxia* [Homoptera: Aphididae]. 17 Aug 2001. South Africa: ARC-Small Grain Institute Greenhouse, Bethlehem, Orange Free State.

6981 [PPRI 7065] JL Hatting. Larva, *Monopetalotaxis doleriformis* [Lepidoptera: Sesiidae]. 17 Aug 2001. South Africa: Ysterfontein, Clanwilliam, Cape Province.

6982 [PPRI 7068] JL Hatting. *Molopopterus theae* [Homoptera: Cicadellidae]. 4 Aug 1999. South Africa: Location co-ordinates S 32°00'30.4", E 18°55'15.6", Clanwilliam, Cape Province.

6984 [PPRI 7082] JL Hatting. Pupa, [Lepidoptera: Eupterotidae]. 30 Oct 2001. South Africa: De Hangen, Clanwilliam, Cape Province.

6986 LA Castrillo (NY-1). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Jul 2000. USA: Homer C. Thompson Vegetable Research Farm, potato test plots of W. M. Tingey, Freeville, New York.

6987 LA Castrillo (NY-5). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Jul 2000. USA: Homer C. Thompson Vegetable Research Farm, potato test plots of W. M. Tingey, Freeville, New York.

6988 LA Castrillo (NY-11). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Jul 2000. USA: Homer C. Thompson Vegetable Research Farm, potato test plots of W. M. Tingey, Freeville, New York.

7030 RG Hollingsworth (KNF2001-7). [Orthoptera: Acrididae]. 9 Apr 2001. USA: Sunshine Nursery, Hilo, Hawaii.

7049 C López Lastra. *Musca domestica* [Diptera: Muscidae] from poultry houses. 20 Apr 2002. Argentina: El Peligro, La Plata, Buenos Aires.

7060 M Brownbridge (CA 603). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from a mulch sample. Oct 2001. USA: avocado orchard, Temecula, California.

7061 Acc'd 2 Aug 2004.

7062 Acc'd 2 Aug 2004.

7093 KT Hodge. *Danaus plexippus* [Lepidoptera: Danaidae]. Rec'd 24 Jan 2003.

7147 C López Lastra. Adult, *Triatoma infestans* [Hemiptera: Reduviidae]. 13 Aug 2002. Argentina: Deán Funes, Córdoba.

7152 H Liu (MSUFS-001). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 5 Feb 2002. USA: Ravenswood, Chicago, Illinois.

7153 H Liu (MSUFS-002). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 5 Feb 2002. USA: Ravenswood, Chicago, Illinois.

7154 H Liu (MSUFS-003). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 5 Feb 2002. USA: Ravenswood, Chicago, Illinois.

7155 H Liu (MSUFS-004). 5th instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. Apr 2002. PR China: Baiyin County, Gansu Province.

7156 H Liu (MSUFS-005). 3rd instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 12 Apr 2002. PR China: Wuji County, Hebei Province.

7157 H Liu (MSUFS-006). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 12 Apr 2002. PR China: Wuji County, Hebei Province.

7158 H Liu (MSUFS-007). 4th instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 31 May 2002. USA: New York, New York.

7159 H Liu (MSUFS-008). Pupa, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 31 May 2002. USA: New York, New York.

7160 H Liu (MSUFS-009). Adult, *Plectrodera scalator* [Coleoptera: Cerambycidae] from laboratory colony. 18 Dec 2001. USA: East Lansing, Michigan.

7161 H Liu (MSUFS-011). Adult, *Plectrodera scalator* [Coleoptera: Cerambycidae] from laboratory colony. 16 Jul 2002. USA: East Lansing, Michigan.

7162 H Liu (MSUFS-012). Adult, *Monochamus scutellatus* [Coleoptera: Cerambycidae]. 16 Jul 2002. USA: East Lansing, Michigan.

7163 H Liu (MSUFS-013). Adult, *Monochamus scutellatus* [Coleoptera: Cerambycidae]. 16 Jul 2002. USA: East Lansing, Michigan.

7164 H Liu (MSUFS-014). Larva, [Coleoptera]. Apr 2002. PR China: Baiyin County, Gansu Province.

7165 H Liu (MSUFS-015). Adult, *Plectrodera scalator* [Coleoptera: Cerambycidae] from laboratory colony. 16 Jul 2002. USA: East Lansing, Michigan.

7166 H Liu (MSUFS-016). 1st instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 27 Jul 2002. PR China: Bazhou County, Hebei Province.

7167 H Liu (MSUFS-017). 1st instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 27 Jul 2002. PR China: Bazhou County, Hebei Province.

7168 H Liu (MSUFS-018). 1st instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 27 Jul 2002. PR China: Bazhou County, Hebei Province.

7169 H Liu (MSUFS-019). 1st instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 27 Jul 2002. PR China: Bazhou County, Hebei Province.

7170 H Liu (MSUFS-020). 1st instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 27 Jul 2002. PR China: Bazhou County, Hebei Province.

7171 H Liu (MSUFS-021). 1st instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 27 Jul 2002. PR China: Bazhou County, Hebei Province.

7172 H Liu (MSUFS-022). 1st instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 27 Jul 2002. PR China: Bazhou County, Hebei Province.

7173 H Liu (MSUFS-023). 1st instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 27 Jul 2002. PR China: Bazhou County, Hebei Province.

7174 H Liu (MSUFS-024). 1st instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 27 Jul 2002. PR China: Bazhou County, Hebei Province.

7175 H Liu (MSUFS-025). 1st instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 27 Jul 2002. PR China: Bazhou County, Hebei Province.

7176 H Liu (MSUFS-026). 1st instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 27 Jul 2002. PR China: Bazhou County, Hebei Province.

7177 H Liu (MSUFS-027). 1st instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 27 Jul 2002. PR China: Bazhou County, Hebei Province.

7178 H Liu (MSUFS-028). Pupa, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 27 Jul 2002. PR China: Bazhou County, Hebei Province.

7179 H Liu (MSUFS-029). 3rd instar larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 30 Dec 2002. USA: New York, New York.

7201 [CEP 058] C López Lastra (2 B). Adult, *Bombus* sp. [Hymenoptera: Apidae]. May 2003. Argentina: La Plata, Buenos Aires.

7202 [CEP 059] C López Lastra (1 C). Adult, [Coleoptera: Curculionidae]. May 2003. Argentina: Arturo Segui, La Plata, Buenos Aires.

7235 JM Sung (EFCC 356). [Orthoptera: Acrididae]. 25 Jul 1994. Republic of Korea: Mt. Myungji, Gyeonggi Province.

7236 JM Sung (EFCC 774). [Dictyoptera: Mantidae]. Sep 1995. Republic of Korea: Daeryong Mt., Kangwon-do.

7237 JM Sung (EFCC 1026). Pupa, 14 Aug 1996. Republic of Korea: Guryungryung, Kangwon-do.

7238 JM Sung (EFCC 1037). [Dictyoptera: Mantidae]. 16 Sep 1996. Republic of Korea: Daeryong Mt., Kangwon-do.

7239 JM Sung (EFCC 1104). [Hymenoptera]. 28 Jun 1997. Republic of Korea: Mt. Gyaeryong, Chungnam Province.

7240 JM Sung (EFCC 1109). *Acanthosoma labiduroides* [Hemiptera: Pentatomidae]. 28 Jun 1997. Republic of Korea: Mt. Gyaeryong, Chungnam Province.

7241 JM Sung (EFCC 1290). [Coleoptera: Carabidae]. 11 Jul 1997. Republic of Korea: Hanla Mt., Jeju Province.

7244 JM Sung (EFCC 1646). [Coleoptera: Chrysomelidae]. 20 Sep 1997. Republic of Korea: Gujeol Mt., Kangwon-do.

7246 JM Sung (EFCC 1929). *Acanthosoma labiduroides* [Hemiptera: Pentatomidae]. 4 Oct 1997. Republic of Korea: Samag Mt., Kangwon-do.

7247 JM Sung (EFCC 2010). [Coleoptera: Chrysomelidae]. 20 May 1998. Republic of Korea: Guryungryung, Kangwon-do.

7250 JM Sung (EFCC 2017). [Orthoptera: Acrididae]. 22 May 1998. Republic of Korea: Yongmoon Mt., Gyeonggi Province.

7251 JM Sung (EFCC 2022). [Coleoptera: Cerambycidae]. 4 Jun 1998. Republic of Korea: Chiag Mt., Kangwon-do.

7252 JM Sung (EFCC 2023). [Dermaptera]. 4 Jun 1998. Republic of Korea: Chiag Mt., Kangwon-do.

7253 JM Sung (EFCC 2089). Larva, 6 Jul 1998. Republic of Korea: Daeryong Mt., Kangwon-do.

7254 JM Sung (EFCC 2196). [Hymenoptera]. 17 Jul 1998. Republic of Korea: Chiag Mt., Kangwon-do.

7255 JM Sung (EFCC 2335). Larva, 2 Aug 1998. Republic of Korea: Odae Mt., Kangwon-do.

7256 JM Sung (EFCC 2468). [Homoptera: Cicadidae]. 22 Aug 1998. Japan.

7257 JM Sung (EFCC 2469). [Hymenoptera]. 22 Aug 1998. Japan.

7258 JM Sung (EFCC 2480). [Homoptera: Cicadidae]. 22 Aug 1998. Japan.

7259 JM Sung (EFCC 2482). [Hymenoptera]. 22 Aug 1998. Japan.

7260 JM Sung (EFCC 2682). [Hymenoptera: Formicidae]. 26 Sep 1998. Republic of Korea: Seolag Mt., Kangwon-do.

7261 JM Sung (EFCC 2941). [Coleoptera: Cerambycidae]. Jun 1999. Republic of Korea: Obong Mt., Kangwon-do.

7264 JM Sung (EFCC 3684). [Coleoptera: Scarabaeidae]. 10 Aug 1999. Republic of Korea: Chilsung Mt., Kangwon-do.

7265 JM Sung (EFCC 3685). [Hymenoptera]. 10 Aug 1999. Republic of Korea: Chilsung Mt., Kangwon-do.

7266 JM Sung (EFCC 4381). [Coleoptera: Cerambycidae]. 29 Aug 1999. Republic of Korea: Yongmoon Mt., Gyeonggi Province.

7267 JM Sung (EFCC 4953). Pupa, 8 Jul 2000. Republic of Korea: Gujeol Mt., Kangwon-do.

7269 JM Sung (EFCC 6521). [Diptera]. 7 Jul 2001. Republic of Korea: Welchul Mt., Jheonnam.

7270 JM Sung (EFCC 6522). [Coleoptera: Carabidae]. 7 Jul 2001. Republic of Korea: Welchul Mt., Jheonnam.

7271 JM Sung (EFCC 6878). [Coleoptera: Chrysomelidae]. 11 Jul 2001. Republic of Korea: Hanla Mt., Jeju Province.

7272 JM Sung (EFCC 6879). [Coleoptera: Chrysomelidae]. 11 Jul 2001. Republic of Korea: Hanla Mt., Jeju Province.

7273 JM Sung (EFCC 7270). *Acanthosoma labiduroides* [Hemiptera: Pentatomidae]. 8 Jul 2001. Nepal.

7274 JM Sung (EFCC 7272). [Lepidoptera]. 8 Jul 2001. Nepal.

7275 JM Sung (EFCC 8224). [Coleoptera: Cerambycidae]. 8 Sep 2001. Republic of Korea: Chungryang Mt., Gyeongbhuk Province.

7356 DJ Bruck (IP-36). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 31 Jul 2002. USA: Independence, Oregon.

7357 DJ Bruck (IP-57). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Aug 2002. USA: Boring, Oregon.

7358 DJ Bruck (IP-62). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Aug 2002. USA: Aurora, Oregon.

7359 DJ Bruck (IP-63). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Aug 2002. USA: Aurora, Oregon.

7362 DJ Bruck (IP-94). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 19 Aug 2002. USA: Aurora, Oregon.

7363 DJ Bruck (IP-225). Isolated from soil sample. 19 Aug 2002. USA: Salem, Oregon.

7364 DJ Bruck (IP-238). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 19 Aug 2002. USA: Aurora, Oregon.

7365 DJ Bruck (IP-241). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 19 Aug 2002. USA: Aurora, Oregon.

7377 DEN Rangel (DENR 01). [Hymenoptera: Megachilidae]. Rec'd 30 Jun 2004.

7378 DEN Rangel (DENR 02). [Hymenoptera: Megachilidae]. Rec'd 30 Jun 2004.

7379 DW Roberts (MC-A 181003A). *Anabrus simplex* [Orthoptera: Tettigoniidae]. Rec'd 30 Jun 2004.

7380 DW Roberts (MC-C 181003C). *Anabrus simplex* [Orthoptera: Tettigoniidae]. Rec'd 30 Jun 2004.

7404 DC Steinkraus. Larva, *Enaphalodes rufulus* [Coleoptera: Cerambycidae] from *Quercus rubra* L., northern red oak. 14 May 2003. USA: Ozark National Forest, Franklin County, Arkansas.

7464 [CEP 072] C López Lastra. *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 11 Sep 2003. Argentina: Colonia Urquiza, La Plata, Buenos Aires.

7465 [CEP 074] C López Lastra. *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 30 Dec 2003. Argentina: Berazategui, Buenos Aires.

7466 [CEP 075] C López Lastra. [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 30 Dec 2003. Argentina: Berazategui, Buenos Aires.

7467 [CEP 077] C López Lastra. *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 24 Feb 2004. Argentina: Los Hornos, Buenos Aires.

7468 [CEP 080] C López Lastra. *Kronides* sp. [Homoptera: Membracidae] on *Eryngium* sp. (Apiaceae). 20 Mar 2004. Argentina: San Vicente, Buenos Aires.

7469 [CEP 081] C López Lastra. *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 20 Mar 2004. Argentina: San Vicente, Buenos Aires.

7470 [CEP 083] C López Lastra. [Coleoptera] on *Eryngium* sp. (Apiaceae). 9 Mar 2004. Argentina: Horco Molle, Tucumán.

7471 [CEP 092] C López Lastra. [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 7 Apr 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.

7519 M Shimazu (F-1209). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).

7520 M Shimazu (F-1210). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).

7521 M Shimazu (F-1211). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).

7525 S Keller (727). Adult, *Ips typographus* [Coleoptera: Scolytidae]. 6 Jul 2001. Switzerland: Rothenburg, Lucerne.

7526 S Keller (728). Adult, *Ips typographus* [Coleoptera: Scolytidae]. 6 Jul 2001. Switzerland: Rothenburg, Lucerne.

7533 E Groden (Plate #1). *Myrmica rubra* [Hymenoptera: Formicidae]. 12 Aug 2003. United Kingdom: Kimmeridge, Dorset, England. 50.37.11 N, 02.06.59 W, 133 m elevation.

7534 E Groden (Plate #2). *Myrmica rubra* [Hymenoptera: Formicidae]. 26 Aug 2004. United Kingdom: Rescombe, Dorset, England. 50.35.54 N, 02.03.05 W, 110 m elevation.

7540 BJ Cole (C2). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 956. Summer 2004. USA: Mesa County, Colorado.

7541 BJ Cole (C29). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 446. Summer 2004. USA: Mesa County, Colorado.

7552 I Klingen (NCRI 66/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.

7553 I Klingen (NCRI 68/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.

7554 I Klingen (NCRI 91/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: conventional apple orchard, Balestrand, Sogn og Fjordane.

7581 [SRCAMB B-25] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Carabidae] Isolated from synnema of *Cordyceps entomorrhiza*. Aug 2001. Russian Federation: Vladivostok District, Primorsky Krai. Field Collection Number F-206.

7583 [SRCAMB VL-36] V Likhovidov. [Homoptera]. Sep 2001. Russian Federation: Caucasus region, Krasnaya Polyana, Krasnodarsky Krai. Field Collection Number F-237.

7585 [SRCAMB B-38] V Likhovidov ← BA Borisov. [Lepidoptera] Isolated from stroma of *Cordyceps* sp. Aug 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-234.

7590 [SRCAMB B-174] V Likhovidov ← BA Borisov. [Homoptera: Cicadellidae]. 20 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-298.

7592 [SRCAMB B-205] V Likhovidov (Vg-19 (3ts)) ← BA Borisov. *Nilaparvata lugens* [Homoptera: Delphacidae]. Oct 1991. Vietnam: environs, Ho Chi Minh City. Field Collection Number F-64.

7593 [SRCAMB B-210] V Likhovidov (24/89) ← BA Borisov. Larva, [Lepidoptera]. 1989. Russian Federation: Irkutsk Region. Field Collection Number F-70.

7596 [SRCAMB VL-760] V Likhovidov. *Apis mellifera* [Hymenoptera: Apidae]. 20 Aug 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-210.

7758 [IMI 012944] *Hypothenemus hampei* [Coleoptera: Scolytidae]. 1926. Sri Lanka. **RESTRICTED ACCESS:** *consult Curator*.

7763 [IMI 358840] *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom: England. **RESTRICTED ACCESS:** *consult Curator*.

7764 [IMI 386243] *Sitophilus* sp. [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator*.

7765 [IMI 386605] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator*.

7766 [IMI 386606] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator*.

7767 [IMI 386607] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator*.

7768 [IMI 387294] Adult, Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom: farm, Suffolk, England. **RESTRICTED ACCESS:** *consult Curator*.

7769 [IMI 389521] [Coleoptera: Curculionidae] grain weevil. Rec'd 10 Jun 2005. United Kingdom: sweepings at premises no. 01/070802. **RESTRICTED ACCESS:** *consult Curator*.

7770 [IMI 388950] *Ovis aries* [Artiodactyla: Bovidae] Isolated from Suffolk sheepskin washing, sheep 193/iN (neck)/dilution plate 10-2. Rec'd 10 Jun 2005. United Kingdom. First animal trial at Veterinary Laboratories Agency, Addlestone (block 235). **RESTRICTED ACCESS:** *consult Curator*.

7771 [IMI 173199] *Equus ferus caballus* [Perissodactyla: Equidae] Isolated from nasal swab of a horse. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator*.

7772 [IMI 173201] *Equus ferus caballus* [Perissodactyla: Equidae] Isolated from nasal swab of a horse. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator*.

7773 [IMI 386368] *Sitophilus* sp. [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator*.

7774 [IMI 386367] *Sitophilus* sp. [Coleoptera: Curculionidae]. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator*.

7775 [IMI 061345] Phylum Arthropoda, Class Insecta. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator*.

7776 [CEP 189] C López Lastra ← A Toledo. Adult, male, *Oliarus dimidiatus* [Homoptera: Cixiidae] on *Oryza sativa* L., rice crop. 9 Mar 2005. Argentina: Estación experimental Julio Hirschhorn, Los Hornos, Buenos Aires.

7795 [ATCC 74040] Fermone Corporation (FCI-7744). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd Jul 2005. USA: Rio Grande Valley, Texas. **RESTRICTED ACCESS:** *constul Curator*.

7796 [IMI I93-825] Rec'd 18 Jul 2005. **RESTRICTED ACCESS:** *consult Curator*.

7813 [CSIRO FI-0001] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 16 Oct 1979. Australia: McKemey, Guyra, New South Wales.

7853 [CSIRO FI-0210] *Sericesthis nigrolineata* [Coleoptera: Scarabaeidae]. 22 May 1987. Australia: Canberra, Australian Capital Territory.

7877 [CSIRO FI-0277] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.

7878 [CSIRO FI-0278] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.

7889 [CSIRO FI-0293] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.

7890 [CSIRO FI-0294] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.

7891 [CSIRO FI-0296] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.

7940 JABB of the Carolinas Inc. (HF23). *Musca domestica* [Diptera: Muscidae]. 1997. USA: Dairy farm, Bell, Florida. **RESTRICTED ACCESS:** *contact Curator*.

7941 JABB of the Carolinas Inc. (NC2). *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. 1988. USA: Turkey grow out houses, Union, West Virginia. **RESTRICTED ACCESS:** *contact Curator*.

7947 NV Meyling (KVL 04-48). Isolated from blade of unspecified grass, *Poaceae*. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

7948 NV Meyling (KVL 04-50). Isolated from blade of unspecified grass, *Poaceae*. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

7949 NV Meyling (KVL 04-52). Isolated from leaf of *Urtica dioica* L., stinging nettle. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

7950 NV Meyling (KVL 04-54). Isolated from leaf of *Urtica dioica* L., stinging nettle. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

7951 NV Meyling (KVL 04-63). Isolated from leaf of *Urtica dioica* L., stinging nettle. 7 Sep 2004. Denmark: Østrup, Zealand. 55°43' N, 12°13' E.

7952 NV Meyling (KVL 04-69). Isolated from leaf of *Urtica dioica* L., stinging nettle. 7 Sep 2004. Denmark: Østrup, Zealand. 55°43' N, 12°13' E.

7953 NV Meyling (KVL 04-72). Isolated from leaf of *Crataegus monogyna* Jacq., hawthorn. 7 Sep 2004. Denmark: Østrup, Zealand. 55°43' N, 12°13' E.

7954 NV Meyling (KVL 06-01). Isolated from leaf of *Urtica dioica* L., stinging nettle. 12 Sep 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

7955 LA Lacey (1B). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 67°06'07" N, 150°05'46" W.

7956 LA Lacey (1C). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 67°06'07" N, 150°05'.46" W.

7957 LA Lacey (2B). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 68°02'52" N, 149°37'58" W, 3180 ft elevation.

7958 LA Lacey (2C). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 68°02'52" N, 149°37'58" W, 3180 ft elevation.

7959 LA Lacey (2D). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 68°02'52" N, 149°37'58" W, 3180 ft elevation.

7963 LA Lacey (7). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Mile 400, wooded area, Alaska. 65°30'06" N, 148°45'29" W.

7964 LA Lacey (8). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 1 (Wrigley), CRP soil 1-3, Alaska.

7965 LA Lacey (8A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 1 (Wrigley), CRP soil 1-3, Alaska.

7966 LA Lacey (12A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 2 (Dufenbach), forest soil 13-15, Alaska.

7968 LA Lacey (16A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 3 (Green), field soil 25-27, Alaska.

7969 LA Lacey. Overwintering larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 7 Mar 2006.

7971 BC King (42). Phylum Arthropoda, Class Insecta. 9 Dec 2003. Canada: Pacific Spirit Regional Park, forest, Vancouver, British Columbia. GenBank match - AB079126 (100%) LSU. **RESTRICTED ACCESS:** *consult Curator*.

7972 BC King (52). Adult, [Coleoptera] on forest floor. 28 Aug 2004. Canada: Pacific Spirit Regional Park, forest, Vancouver, British Columbia. GenBank match - AB027381 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

7977 BC King (74). Pupa, Phylum Arthropoda, Class Insecta. Mar 2005. USA: forest, Renton, Washington. GenBank match - AB027381 (100%) LSU. **RESTRICTED ACCESS:** *consult Curator*.

7978 BC King (77). [Coleoptera: Curculionidae] in loose duff near rocky beach. 19 Apr 2005. Canada: Pacific Spirit Regional Park, Wreck Beach, Vancouver, British Columbia. GenBank match - AB027381 (100%) LSU. **RESTRICTED ACCESS:** *consult Curator*.

7983 [CENARGEN CG 425] *Rhammatocerus schistocercoides* [Orthoptera: Acrididae]. Rec'd 29 Mar 2006. Brazil: Campos Novos dos Parecis, Mato Grosso. **RESTRICTED ACCESS:** *consult Curator*.

7984 [ARSEF 8638; CENARGEN CG 883] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 29 Mar 2006. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS:** *consult Curator*.

8025 NV Meyling (KVL 03-72). *Liocoris tripustulatus* [Hemiptera: Miridae] from *Urtica dioica* L., stinging nettle habitat type. 25 Jun 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

8026 NV Meyling (KVL 03-81). *Stenodema laevigatum* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 19 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

8027 NV Meyling (KVL 03-85). *Scolopostethus affinis* [Hemiptera: Lygaeidae] from *Urtica dioica* L., stinging nettle habitat type. 31 Jul 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

8028 NV Meyling (KVL 03-90). *Anthocoris nemorum* [Hemiptera: Anthocoridae] from *Urtica dioica* L., stinging nettle habitat type. 25 Jun 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

8029 NV Meyling (KVL 03-94). *Notostira elongata* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 19 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

8030 NV Meyling (KVL 03-118). *Notostira elongata* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 19 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

8031 NV Meyling (KVL 03-122). *Pegoplata aestiva* [Diptera: Anthomyiidae]. 31 Jul 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

8032 NV Meyling (KVL 03-129). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from field soil. 18 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

8033 NV Meyling (KVL 03-136). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

8035 NV Meyling (KVL 03-142). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

8036 NV Meyling (KVL 03-148). *Leptopterna dolabrata* [Hemiptera: Miridae] from unspecified grass *Poaceae* habitat type. 10 Jul 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

8037 NV Meyling (KVL 04-32). *Rhynchites aequatus* [Coleoptera: Curculionidae] from *Crataegus* sp., hawthorn habitat type. 30 May 2003. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

8038 NV Meyling (KVL 04-33). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

8039 NV Meyling (KVL 04-92). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Jul 2004. Greenland: Disko Island. 70° N, 53° W.

8040 NV Meyling (KVL 04-93). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Jul 2004. Greenland: Disko Island. 70° N, 53° W.

8065 [CSIRO FI-0570] *Pterohelaeus darlingensis* [Coleoptera: Tenebrionidae]. 5 Oct 1989. Australia: Jondaryan, Queensland.

8066 [CSIRO FI-0571] *Helicoverpa* sp. [Lepidoptera: Noctuidae] on *Medicago sativa* L., lucerne. 24 Jan 1990. Australia: Gatton, Queensland.

8076 [CSIRO FI-0697] Rec'd Summer 2006.

8077 [CSIRO FI-0701] *Sitona* sp. [Coleoptera: Curculionidae]. 8 Oct 1990. New Zealand: South Island.

8078 [CSIRO FI-0703] *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 8 Oct 1990. New Zealand: South Island.

8079 [CSIRO FI-0705] *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 8 Oct 1990. New Zealand: Christchurch, South Island.

8189 LA Castrillo (MI-01). Isolated from soil sample, base of tree #1. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.

8190 LA Castrillo (MI-02). Isolated from soil sample, base of tree #1. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.

8191 LA Castrillo (MI-03). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.

8192 LA Castrillo (MI-04). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.

8193 LA Castrillo (MI-05). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.

8194 LA Castrillo (MI-06). Isolated from soil sample, base of tree #82. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.

8195 LA Castrillo (MI-07). Isolated from soil sample, plot 3. May 2006. USA: Gee Farms Nursery, Jackson County, Michigan.

8201 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Aug 2005. **RESTRICTED ACCESS:** *contact Curator*.

8202 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Aug 2005. **RESTRICTED ACCESS:** *contact Curator*.

8203 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.1-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator*.

8204 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.1-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator*.

8205 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.3-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator*.

8206 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.3-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator*.

8207 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.4-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator*.

8208 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.5-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator*.

8209 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB1.5-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator*.

8210 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB2.1-1). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator*.

8211 [ATCC 74040; Troy Biosciences Inc.] LA Castrillo (TB2.1-2). Laboratory reisolation from infected *Aphis gossypii* [Homoptera: Aphididae]. Sep 2005. **RESTRICTED ACCESS:** *contact Curator*.

8213 S Entz (FM06-2B). *Melanoplus bivittatus* [Orthoptera: Acrididae]. Aug 2006. Canada: 30 km east of Fort Macleod, Alberta.

8237 LA Castrillo (CA1). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.

8238 LA Castrillo (CA6). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.

8239 LA Castrillo (CD10). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.

8240 LA Castrillo (CE1). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.

8241 LA Castrillo (CE10). Isolated from soil sample. 29 Oct 2002. USA: organic farm, Candor, New York.

8242 LA Castrillo (FA1). Isolated from soil sample. Spring 2003. USA: Homer C. Thompson Vegetable Research Farm, potato field sprayed with Botanigard, Freeville, New York.

8243 LA Castrillo (FB1). Isolated from soil sample. Spring 2003. USA: Homer C. Thompson Vegetable Research Farm, potato field sprayed with Botanigard, Freeville, New York.

8244 LA Castrillo (FC1). Isolated from soil sample. Spring 2003. USA: Homer C. Thompson Vegetable Research Farm, potato field sprayed with Botanigard, Freeville, New York.

8245 LA Castrillo (SFBb1) ← M Filotas. Pupa, *Scatella tenuicosta* [Diptera: Ephydridae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.

8246 LA Castrillo (SFBb2) ← M Filotas. Pupa, *Scatella tenuicosta* [Diptera: Ephydridae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.

8247 LA Castrillo (SFBb7) ← M Filotas. Adult, *Scatella tenuicosta* [Diptera: Ephydridae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.

8253 BC King (Beetle 1). Acc'd 20 Dec 2006.

8254 [NRRL 30976] WG Meikle and G Mercadier (EBCL 05002). *Varroa destructor* [Acari: Varroidae]. 16 May 2005. France: Nézignan l'Evêque, Hérault.

8255 WG Meikle and G Mercadier (EBCL 05005). *Varroa destructor* [Acari: Varroidae]. 28 Jun 2005. France: Quéribus, Aude.

8256 WG Meikle and G Mercadier (EBCL 05006). *Varroa destructor* [Acari: Varroidae]. 29 Jun 2005. France: Le Vigan, Gard.

8258 WG Meikle and G Mercadier (EBCL 05011). *Varroa destructor* [Acari: Varroidae]. 29 Jun 2005. France: Montdardier, Gard.

8260 RJ Pereault (bbpci#1). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.

8261 RJ Pereault (bbpci#2). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.

8262 RJ Pereault (bbpci#3). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.

8263 RJ Pereault (bbpci#5). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.

8271 RJ Pereault (bbsi#11). Isolated from soil sample. Jul 2006. USA: Northport, Michigan.

8272 RJ Pereault (bbsi#14). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.

8273 RJ Pereault (bbsi#17). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.

8274 RJ Pereault (bbsi#18). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.

8275 RJ Pereault (bbsi#19). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.

8276 RJ Pereault (bbsi#20). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.

8317 N Hudson (NI8). *Lygus lineolaris* [Hemiptera: Miridae] on pigweed. 29 Jul 2002. USA: Washington County, Mississippi. **RESTRICTED ACCESS:** *consult Curator*.

8318 N Hudson (SfBb1). *Spissistilus festinus* [Homoptera: Membracidae] on *Medicago sativa* L., alfalfa. 12 Jul 2004. USA: Fresno County, California.

8339 Z Demirbag (KTU-7). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 17 Jul 2006. Turkey: Yomra, Trabzon.

8340 Z Demirbag (KTU-8). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.

8343 Z Demirbag (KTU-11). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.

8349 Z Demirbag (KTU-17). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Borçka, Artvin.

8354 Z Demirbag (KTU-22). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Borçka, Artvin.

8355 Z Demirbag (KTU-23). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Hemsin, Rize.

8356 Z Demirbag (KTU-24). *Thaumetopoea pityocampa* [Lepidoptera: Thaumetopoeidae]. 11 Dec 2006. Turkey: Samsun.

8368 [CEP 001; LPSC 881] AV Toledo. Soil of *Zea mays* L., corn crop. 30 May 2003. Argentina: Partido Magdalena, Buenos Aires.

8369 [CEP 002; LPSC 882] AV Toledo. Soil of *Zea mays* L., corn crop. 3 Jul 2003. Argentina: Los Hornos, Buenos Aires.

8370 [CEP 137; LPSC 891] AV Toledo. Adult, *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 21 Jul 2004. Argentina: Berazategui, Buenos Aires.

8371 [CEP 142; LPSC 894] AV Toledo. Adult, *Pawiloma victima* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 25 Aug 2004. Argentina: Berazategui, Buenos Aires.

8372 [CEP 147; LPSC 896] AV Toledo. Adult, *Cycloneda sanguinea* [Coleoptera: Coccinellidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.

8373 [CEP 150; LPSC 897] AV Toledo. Adult, *Diabrotica speciosa* [Coleoptera: Chrysomelidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.

8374 [CEP 151; LPSC 898] AV Toledo. Adult, *Doru lineare* [Dermaptera: Forficulidae] on *Zea mays* L., maize. Apr 2004. Argentina: El Manantial, Tucumán.

8383 LA Castrillo ← SL Annis and E Groden (PA2). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.

8384 LA Castrillo ← SL Annis and E Groden (PA6). Isolated from soil sample. Summer 2007. USA: Lacourse Farm, Parkman, Maine.

8385 LA Castrillo ← SL Annis and E Groden (PA20). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.

8386 LA Castrillo ← SL Annis and E Groden (PA55). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.

8387 LA Castrillo ← SL Annis and E Groden (PA138). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.

8388 LA Castrillo ← SL Annis and E Groden (PA151). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.

8389 LA Castrillo ← SL Annis and E Groden (PA160). Isolated from soil sample. Summer 2003. USA: Lacourse Farm, Parkman, Maine.

8390 LA Castrillo ← SL Annis and E Groden (PI27). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.

8391 LA Castrillo ← SL Annis and E Groden (PI46). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.

8392 LA Castrillo ← SL Annis and E Groden (PI62). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.

8393 LA Castrillo ← SL Annis and E Groden (PI71). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.

8394 LA Castrillo ← SL Annis and E Groden (PI94). Isolated from soil sample. Summer 2002. USA: Douglass Farm, Pittston, Maine.

8395 LA Castrillo ← SL Annis and E Groden (DM3). Isolated from soil sample. Summer 2000. USA: Goranson Farm, Dresden Mills, Maine.

8396 LA Castrillo ← SL Annis and E Groden (DMA7). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.

8397 LA Castrillo ← SL Annis and E Groden (DMA11). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.

8398 LA Castrillo ← SL Annis and E Groden (DMA30). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.

8399 LA Castrillo ← SL Annis and E Groden (DMA54). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.

8400 LA Castrillo ← SL Annis and E Groden (DMA57). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.

8401 LA Castrillo ← SL Annis and E Groden (DMA87). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.

8402 LA Castrillo ← SL Annis and E Groden (DMA88). Isolated from soil sample. Summer 2002. USA: Goranson Farm, Dresden Mills, Maine.

8403 LA Castrillo ← SL Annis and E Groden (AR6). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.

8404 LA Castrillo ← SL Annis and E Groden (AR7). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.

8405 LA Castrillo ← SL Annis and E Groden (AR12). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.

8406 LA Castrillo ← SL Annis and E Groden (AR16). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.

8407 LA Castrillo ← SL Annis and E Groden (AR18). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.

8408 LA Castrillo ← SL Annis and E Groden (AR24). Isolated from soil sample. Summer 2000. USA: Presque Isle, Maine.

8409 RM Barakat (P.Bv1). Isolated from soil sample. Nov 2004. The Palestinian Authority: Jenin.

8410 RM Barakat (P.Bv2). Isolated from soil sample. Nov 2004. The Palestinian Authority: Jenin.

8412 AE Hajek (Q2k953). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 25 Jul 2001. USA: Quarantine colony, Ithaca, New York.

8413 AE Hajek (ST2). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 14 Jul 1998. USA: Quarantine colony, Syracuse, New York.

8414 AE Hajek (WU50). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 25 Jul 2000. PR China: Wuhe, Anhui.

8431 Z Demirbag (KTU-25). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait fom soil. 21 Mar 2007. Turkey: Ünye, Ordu.

8444 Z Demirbag (KTU-38). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Mar 2007. Turkey: Ulubey, Ordu.

8459 [CEP 069; LPSC 883] AV Toledo. Adult, *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 11 Mar 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.

8460 [CEP 111] AV Toledo. Adult, *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 20 Apr 2004. Argentina: Berazategui, Buenos Aires.

8461 [CEP 138] AV Toledo. Adult, *Heilipodus erythropus* [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.

8462 [CEP 148] AV Toledo. Adult, *Cycloneda sanguinea* [Coleoptera: Coccinellidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.

8463 [CEP 149] AV Toledo. Adult, *Cycloneda sanguinea* [Coleoptera: Coccinellidae] on *Zea mays* L., maize. 11 Mar 2004. Argentina: El Manantial, Tucumán.

8464 [CEP 175; LPSC 900] AV Toledo. Adult, *Cratomorphus diaphanus* [Coleoptera: Lampyridae] on *Eryngium* sp. (Apiaceae). Nov 2004. Argentina: Mercedes, Corrientes.

8465 [CEP 249] AV Toledo. Adult, *Doru lineare* [Dermaptera: Forficulidae] on *Zea mays* L., maize. 4 Dec 2006. Argentina: Chacabuco, Buenos Aires.

8475 WC Luz (eco 78). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8493 [CSIRO FI-0016] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 13 Feb 1980. Australia: Ebor, New South Wales.

8494 [CSIRO FI-0018] [Coleoptera: Chrysomelidae: Hispinae]. 13 Feb 1980.

8520 [CEP 112] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 28 Apr 2004. Argentina: La Plata, Buenos Aires.

8521 [CEP 113] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 28 Apr 2004. Argentina: La Plata, Buenos Aires.

8522 [CEP 114] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 28 Apr 2004. Argentina: La Plata, Buenos Aires.

8523 [CEP 116] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.

8524 [CEP 117] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.

8525 [CEP 118] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.

8526 [CEP 119] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 12 May 2004. Argentina: La Plata, Buenos Aires.

8528 [CEP 139; LPSC 892] AV Toledo. Adult, *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.

8529 [CEP 140; LPSC 893] AV Toledo. Adult, *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.

8530 [CEP 141] AV Toledo. Adult, [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 18 Aug 2004. Argentina: La Plata, Buenos Aires.

8578 [CSIRO FI-0898] Adult, [Orthoptera: Acrididae]. 20 Mar 1992. Australia: Honeysuckle Creek, Tharwa, Australian Capital Territory.

8579 [CSIRO FI-0899] Adult, [Orthoptera: Acrididae]. 20 Mar 1992. Australia: Honeysuckle Creek, Tharwa, Australian Capital Territory.

8601 DA Sutton (06-270). 55 year-old female, *Homo sapiens* [Primates: Hominidae] Isolated from corneal keratitis. Winter 2006. USA: New Mexico.

8602 DA Sutton (07-345). 31 year-old female, *Homo sapiens* [Primates: Hominidae] Isolated from corneal keratitis. 10 Jan 2007. USA: Wisconsin.

8635 [CENARGEN CG 1010] I Chapaval Pimentel. Endophyte of *Zea mays* L., corn. Rec'd 18 Sep 2007. Brazil: Paraná. **RESTRICTED ACCESS:** *consult Curator*.

8636 [CENARGEN CG 1011] I Chapaval Pimentel. Endophyte of *Zea mays* L., corn. Rec'd 18 Sep 2007. Brazil: Paraná. **RESTRICTED ACCESS:** *consult Curator*.

8637 [CENARGEN CG 882] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 18 Sep 2007. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS:** *consult Curator*.

8638 [ARSEF 7984; CENARGEN CG 883] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 18 Sep 2007. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS:** *consult Curator*.

8661 Z Demirbag (KTU-50). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Jun 2007. Turkey: Gümüshane.

8663 Z Demirbag (KTU-52). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Jun 2007. Turkey: Gümüshane.

8664 Z Demirbag (KTU-53). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Erzurum.

8666 Z Demirbag (KTU-55). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Askale, Erzurum.

8667 Z Demirbag (KTU-56). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüshane.

8668 Z Demirbag (KTU-57). *Rhynchites baccus* [Coleoptera: Curculionidae]. 7 Jul 2007. Turkey: Gümüshane.

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8772 LA Castrillo (APMI2) ← JJ Duan. *Agrilus planipennis* [Coleoptera: Buprestidae] on *Fraxinus pennsylvanica* Marshall, green ash. 25 Jun 2008. USA: Washington Park, Lansing, Michigan. **RESTRICTED ACCESS:** *consult Curator*.

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9232 [ERL 815] M Brownbridge (CA-811) and S Gouli. Isolated from soil sample. 2002. USA: California.

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9234 [ERL 817] M Brownbridge (CA-812) and S Gouli. Isolated from soil sample. 2002. USA: California.

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9291 [ERL 1591] VS Gouli (Thr-08-B5). Isolated from soil sample. 2008. USA: Vermont.

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9349 [ERL 1044] M Brownbridge (CA-176) and S Gouli. Isolated from soil sample. 2002. USA: California.

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9352 [ERL 1048] M Brownbridge (CA-183) and S Gouli. Isolated from soil sample. 2002. USA: California.

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9388 [ERL 1671] S Gouli and V Gouli (Thr.-08-B/17). Isolated from soil sample. 2008. USA: Vermont.

9389 [ERL 1672] S Gouli and V Gouli (Thr.-08-B/18). Isolated from soil sample. 2008. USA: Vermont.

9390 [ERL 1673] S Gouli and V Gouli (Thr.-08-B/19). Isolated from soil sample. 2008. USA: Vermont.

9391 [ERL 1674] S Gouli and V Gouli (Thr.-08-B/20). Isolated from soil sample. 2008. USA: Vermont.

9392 [ERL 1675] S Gouli and V Gouli (Thr.-08-B/21). Isolated from soil sample. 2008. USA: Vermont.

9393 [ERL 1676] S Gouli and V Gouli (Thr.-08-B/22). Isolated from soil sample. 2008. USA: Vermont.

9394 [ERL 1677] S Gouli and V Gouli (Thr.-08-B/23). Isolated from soil sample. 2008. USA: Vermont.

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9396 [ERL 1679] S Gouli and V Gouli (Thr.-08-B/25). Isolated from soil sample. 2008. USA: Vermont.

9397 [ERL 1680] S Gouli and V Gouli (Thr.-08-B/26). Isolated from soil sample. 2008. USA: Vermont.

9398 [ERL 1681] S Gouli and V Gouli (Thr.-08-B/27). Isolated from soil sample. 2008. USA: Vermont.

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9408 [ERL 1691] S Gouli and V Gouli (Thr.-08-B/37). Isolated from soil sample. 2008. USA: Vermont.

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9415 [ERL 1698] S Gouli and V Gouli (Thr.-08-B/44). Isolated from soil sample. 2008. USA: Vermont.

9416 [ERL 1699] S Gouli and V Gouli (Thr.-08-B/45). Isolated from soil sample. 2008. USA: Vermont.

9417 [ERL 1700] S Gouli and V Gouli (Thr.-08-B/46). Isolated from soil sample. 2008. USA: Vermont.

9418 [ERL 1701] S Gouli and V Gouli (Thr.-08-B/47). Isolated from soil sample. 2008. USA: Vermont.

9419 [ERL 1702] S Gouli and V Gouli (Thr.-08-B/48). Isolated from soil sample. 2008. USA: Vermont.

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9421 [ERL 1704] S Gouli and V Gouli (Thr.-08-B/50). Isolated from soil sample. 2008. USA: Vermont.

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9449 [SRCAMB VL-1999] V Likhovidov. *Pyrrhalta viburni* [Coleoptera: Chrysomelidae]. 13 Sep 2005. Russian Federation: Moscow Region. Field Collection Number F-825.

9450 [SRCAMB VL-1906] V Likhovidov. Phylum Arthropoda, Class Myriapoda. 21 Aug 2005. Belarus. Field Collection Number F-875.

9451 [SRCAMB VL-2049] V Likhovidov. *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae]. Jun 2006. Kazakhstan: Almaty. Field Collection Number F-1066.

9587 [ERL 1744] S Gouli (CA-603/Thr.-09) and V Gouli. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 2009. USA: California. Re-isolation of ARSEF 7060 (CA-603) from infected western flower thrips.

9588 [ERL 1745] S Gouli (GHA/WFT.09) and V Gouli. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 2009.

9589 [ERL 1650] S Gouli and V Gouli. Rec'd 2 Mar 2010.

9595 X Zou (2). [Hymenoptera: Apoidea]. Rec'd 19 Jan 2010. PR China: Guizhou Province.

9598 X Zou (5). [Orthoptera]. Rec'd 19 Jan 2010. PR China: Guizhou Province.

9600 X Zou (7). Isolated from root of orchid. Rec'd 19 Jan 2010. PR China: Guizhou Province.

9927 [ERL 1771] S Gouli and V Gouli (Thr.-09-3). [Thysanoptera: Thripidae]. 2010. USA: Vermont.

10138 [ERL 1798] S Gouli (Thr.-10-1) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Debry, Vermont.

10139 [ERL 1799] S Gouli and V Gouli (Thr.-10-2). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.

10140 [ERL 1800] S Gouli (Thr.-10-3) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Rupert, Vermont.

10141 [ERL 1801] S Gouli and V Gouli (Thr.-10-4). [Diptera] fungus gnats. 2010. USA: Rupert, Vermont.

10142 [ERL 1802] S Gouli (Thr.-10-5) and V Gouli. [Diptera: Muscidae]. 2010. USA: Rupert, Vermont.

10143 [ERL 1803] S Gouli and V Gouli (Thr.-10-6). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Westfield, Vermont.

10144 [ERL 1804] S Gouli (Thr.-10-7) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.

10145 [ERL 1805] S Gouli and V Gouli (Thr.-10-8). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10147 [ERL 1807] S Gouli and V Gouli (Thr.-10-10). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Debry, Vermont.

10148 [ERL 1808] S Gouli (Thr.-10-11) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.

10149 [ERL 1809] S Gouli and V Gouli (Thr.-10-12). [Diptera] fungus gnats. 2010. USA: Underhill, Vermont.

10186 [ERL 786] S Gouli (CA-753) and V Gouli. Isolated from soil sample. 2002. USA: California.

10347 [ERL 155] BL Parker (SP-3) and W Reid. [Coleoptera]. 1998. Turkey.

10348 [ERL 189] CJ Lomer (SP-127). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 1998. Turkey.

10349 [ERL 190] CJ Lomer (SP-128). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 1998. Turkey.

10350 [ERL 327] BL Parker (SP-374) and M Skinner. [Coleoptera: Chrysomelidae]. 2000. Republic of Kazakhstan.

10351 [ERL 487] BL Parker (SP-379) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 1998. Republic of Kazakhstan.

10352 [ERL 533] BL Parker (SP-464) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2000. Kyrgyz Republic.

10353 [ERL 536] BL Parker (SP-482) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10354 [ERL 537] BL Parker and M Skinner (SP-483). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10355 [ERL 538] BL Parker (SP-493) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10356 [ERL 539] BL Parker and M Skinner (SP-500). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10357 [ERL 543] BL Parker (SP-504) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10358 [ERL 553] BL Parker and M Skinner (SP-554). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10359 [ERL 557] BL Parker (SP-566) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10360 [ERL 558] BL Parker and M Skinner (SP-567). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10361 [ERL 563] BL Parker (SP-582) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10362 [ERL 566] BL Parker and M Skinner (SP-585). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10471 MB Bondera. *Hypothenemus hampei* [Coleoptera: Scolytidae]. Dec 2010. USA: Kanalani Ohana Farm, Honaunau, Hawaii. 1600 ft elevation.

Beauveria bassiana(?) (Balsamo-Crivelli) Vuillemin [Sordariomycetes: Hypocreales]

Cordycipitaceae

5182 S Gouli (GA-91). Phylum Arthropoda, Class Chilopoda. 29 May 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.

5644 [IITA 82] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae]. 3 Jul 1996. Benin: IITA field, Cotonou, Atlantique.

5684 BL Parker (SPT-084). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Jan 1998. Turkey: Belen, Gaziantep.

5815 BL Parker (HWA 242/2). *Adelges tsugae* [Homoptera: Adelgidae]. Rec'd 13 Jul 1998.

5816 BL Parker (AT 062). *Adelges tsugae* [Homoptera: Adelgidae]. 10 May 1997. USA: Guilford, Connecticut.

5817 BL Parker (AT 063). *Adelges tsugae* [Homoptera: Adelgidae]. 10 May 1997. USA: Guilford, Connecticut.

5818 BL Parker (AT 069). *Adelges tsugae* [Homoptera: Adelgidae]. 10 May 1997. USA: Guilford, Connecticut.

5959 JL Stimac (UF 542). *Solenopsis invicta* [Hymenoptera: Formicidae]. Jun 1987. Brazil: Mato Grosso.

5975 JL Stimac (UF SP74). From nest soil of *Solenopsis*Apr 1989. USA: Gainesville, Florida.

5976 JL Stimac (UF SP86). From nest soil of *Solenopsis*Apr 1989. USA: Gainesville, Florida.

5990 JL Stimac (UF MVT). *Trachemys scripta* [Chelonia: Emydidae]. Rec'd 23 Nov 1998. Spain.

6608 JL Hatting. *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 27 Sep 2000. Hungary: greenhouse, Budapest, Budapest.

6890 H Cortez Madrigal (B1). [Coleoptera: Chrysomelidae] on *Eucalyptus* sp. 30 Sep 1999. Mexico: Huimanguillo, Tabasco.

6891 H Cortez Madrigal (B2). [Coleoptera: Chrysomelidae] on weeds. 10 Oct 2000. Mexico: Cárdenas, Tabasco.

6892 E Zhioua (T73). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Rec'd May 2001.

8801 LA Castrillo (L1s1). Isolated from soil sample. 25 Sep 2007. USA: Willoughby Park, Lansing, Michigan. .

8802 LA Castrillo (L2s1). Isolated from soil sample. 25 Sep 2007. USA: Willoughby Park, Lansing, Michigan. .

8803 LA Castrillo (L3s1). Isolated from soil sample. 25 Sep 2007. USA: Willoughby Park, Lansing, Michigan.

8804 LA Castrillo (L5s1). Isolated from soil sample. 25 Sep 2007. USA: Willoughby Park, Lansing, Michigan.

8805 LA Castrillo (A2s5). Isolated from soil sample. 25 Sep 2007. USA: Hudson Mills Metro Park, Ann Arbor, Michigan.

8807 LA Castrillo (A3s2). Isolated from soil sample. 25 Sep 2008. USA: Hudson Mills Metro Park, Ann Arbor, Michigan.

8808 LA Castrillo (A4s2). Isolated from soil sample. 25 Sep 2007. USA: Hudson Mills Metro Park, Ann Arbor, Michigan.

8809 LA Castrillo (A5s1). Isolated from soil sample. 25 Sep 2007. USA: Hudson Mills Metro Park, Ann Arbor, Michigan.

8810 LA Castrillo (A5s3). Isolated from soil sample. 25 Sep 2007. USA: Hudson Mills Metro Park, Ann Arbor, Michigan.

8811 LA Castrillo (A1b1). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Hudson Mills Metro Park, Ann Arbor, Michigan.

8812 LA Castrillo (R6b1). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.

8813 LA Castrillo (R6b3). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.

8814 LA Castrillo (R8b3). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.

8815 LA Castrillo (R8b5). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.

8816 LA Castrillo (R8b8). From bark of *Fraxinus pennsylvanica* Marshall, green ash. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.

8817 LA Castrillo (R7s1). Isolated from soil sample. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.

8818 LA Castrillo (R8s1). Isolated from soil sample. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.

8819 LA Castrillo (R8s3). Isolated from soil sample. 25 Sep 2007. USA: Western Golf and Country Club, Redford, Michigan.

9271 Z Demirbag and E Tanyeli (Dm-5). *Dendroctonus micans* [Coleoptera: Scolytidae]. 24 Oct 2008. Turkey: Maçka-Zigana, Trabzon.

Beauveria brongniartii (Saccardo) Petch [Sordariomycetes: Hypocreales]

Cordycipitaceae. Major synonym: *Beauveria tenella* (Saccardo) MacLeod.

617 ATCC (26156) ← P Ferron (6). Larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Rec'd 27 May

1981. France. Identification verified genomically. Ex-type Isolate proposed for conservation as new type of species.

678 DW Roberts (101481-4-1). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae]. 14 Oct 1981. PR China: Hunan.

979 [GCRI 64-82] RA Hall ← J Fargues. *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Acc'd 17 Oct 1983. France. Identification verified genomically.

985 J Aoki (Beau. 22) ← K Katagiri ← T Kushida. *Anomala costata* [Coleoptera: Scarabaeidae]. Nov 1971. Japan: Hachioji, Tokyo Prefecture. Identification verified genomically.

1067 TJ Poprawski ← S Keller (117). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 10 May 1982. Switzerland: Buhwil, Thurgau.

1068 TJ Poprawski ← S Keller (118). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 10 May 1982. Switzerland: Buhwil, Thurgau.

1069 TJ Poprawski ← S Keller (119). *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Acc'd Feb 1984. Switzerland. Mixture of 3 strains.

1070 TJ Poprawski ← S Keller (120). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Jul 1982. Switzerland: Breitenloo, Thurgau.

1071 TJ Poprawski ← S Keller (125). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 6 Jan 1983. Switzerland: Bleiken, Thurgau.

1072 TJ Poprawski ← S Keller (126). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 6 Jan 1983. Switzerland: Bleiken, Thurgau.

1076 S Keller (131). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 6 Jan 1983. Switzerland: Istighofen, Thurgau.

1077 S Keller (134). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 8 Dec 1983. Switzerland: Bleiken, Thurgau.

1360 S Balazy (1599). Rec'd 19 May 1984. Poland.

1366 S Balazy (1594d). Rec'd 19 May 1984. Poland.

1431 MC Rombach (A). *Niphonoclea* sp. [Coleoptera: Cerambycidae] on forest litter. Apr 1984. Philippines: UPLB Botanical Garden, Los Baños, Manila.

1829 [ARSEF 1481 (lost)] SB Alves (258). *Castnia licus* [Lepidoptera: Castniidae] on sugar cane. Acc'd 29 Jan 1985. Brazil: Pernambuco.

1830 [ARSEF 1482 (lost)] SB Alves (210). *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. Acc'd 29 Jan 1985. Brazil: São Paulo.

1871 S Keller (165). Rec'd 27 Mar 1985. Location not specified.

1872 S Keller (166). Rec'd 27 Mar 1985. Location not specified.

1873 S Keller (167). Rec'd 27 Mar 1985. Location not specified.

1874 S Keller (168). Rec'd 27 Mar 1985. Location not specified.

1875 S Keller (169). Rec'd 27 Mar 1985. Location not specified.

2271 BT Forschler (RF-3). Adult, *Cyrtepistomus castaneus* [Coleoptera: Curculionidae]. Sep 1986. USA: Robinson Forest, Univ. of Kentucky, Breathitt County, Kentucky. Identification verified genomically.

2660 C Gopalakrishnan (31). Adult, [Coleoptera]. Rec'd Nov 1988. India.

3054 [MAF F1] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: South Island.

4024 T Steenberg (226) ← A Kirkeby-Thomse. *Ips typographus* [Coleoptera: Scolytidae] on Sitka spruce. Rec'd Nov 1993. Denmark.

4362 LA Lacey (94126). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido. Identification verified genomically.

4363 LA Lacey (94128). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido. Identification verified genomically.

4380 LA Lacey (94141) ← CAAS (CZN.9301). [Coleoptera: Scarabaeidae]. 7 May 1994. Location not specified.

4381 LA Lacey (94142) ← CAAS (4pl). [Coleoptera: Scarabaeidae]. 7 May 1994. Location not specified.

4385 LA Lacey (94136). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou.

4386 LA Lacey (94137). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou.

4388 LA Lacey (94139). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou.

4389 LA Lacey (94131). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.

4458 LA Lacey (94127). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo Golf Course, Sapporo, Hokkaido.

4465 LA Lacey (94143). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

4466 LA Lacey (94144). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

4467 LA Lacey (94145). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

4468 LA Lacey (94146). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

4469 LA Lacey (94147). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

4470 LA Lacey (94148). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

4471 LA Lacey (94149). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

4472 LA Lacey (94150). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

4473 LA Lacey (94151). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

4475 LA Lacey (94153). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

4476 LA Lacey (94154). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

4477 LA Lacey (94155). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

4478 LA Lacey (94156). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.

4992 LA Lacey (95050). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.

4993 LA Lacey (95052). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.

4994 LA Lacey (95053). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.

4995 LA Lacey (95054). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.

5355 LA Lacey (96015). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.

5356 LA Lacey (96016). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.

5357 LA Lacey (96017). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.

5358 LA Lacey (96018). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.

5359 LA Lacey (96019). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.

5360 LA Lacey (96020). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.

5361 LA Lacey (96021). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.

5362 LA Lacey (96022). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.

5363 LA Lacey (96023). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.

5364 LA Lacey (96024). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.

6023 BL Parker ← V Gouli (SPT-R-201). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6213 AE Hajek (1). Adult, [Coleoptera: Curculionidae] in leaf litter. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York. Identification verified genomically.

6214 AE Hajek (2A). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York. Identification verified genomically.

6215 AE Hajek (3A). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York. Identification verified genomically.

6235 [RCEF 0385] *Anoplophora malasiaca* [Coleoptera: Cerambycidae]. Rec'd 24 Aug 1999. Japan.

6412 M Shimazu (F-1101). *Anoplophora malasiaca* [Coleoptera: Cerambycidae]. 8 Dec 1993. Japan: Kukisaki, Ibaraki Prefecture.

6437 Acc'd 9 Mar 2001.

6438 Acc'd 9 Mar 2001.

6439 Acc'd 9 Mar 2001.

6440 Acc'd 9 Mar 2001.

7058 E Groden (Ant 1 / Bio 1). *Myrmica rubra* [Hymenoptera: Formicidae]. 13 Aug 2002. USA: Otter Creek, north end of Otter Cove, Mt. Desert Island, Maine. Identification verified genomically.

7268 JM Sung (EFCC 5119). [Coleoptera: Carabidae]. 14 Jul 2000. Republic of Korea: Undooryung, Kangwon-do. Identification verified genomically.

7376 DM Gibson. Adult, *Magicicada septendecim* [Homoptera: Cicadidae]. 9 Jun 2004. USA: ARS National Visitor Center, Beltsville, Maryland. Identification verified genomically.

7528 S Keller (812). 3rd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 23 Oct 2002. Switzerland: Innertkirchen, Bern.

7555 I Klingen (NCRI 57/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: organic apple orchard, Balestrand, Sogn og Fjordane.

7556 I Klingen (NCRI 71/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, organic apple orchard, Balestrand, Sogn og Fjordane.

7557 I Klingen (NCRI 73/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.

7558 I Klingen (NCRI 74/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: organic apple orchard, Balestrand, Sogn og Fjordane.

7559 I Klingen (NCRI 86/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: field margin of organic apple orchard, Balestrand, Sogn og Fjordane.

7560 I Klingen (NCRI 223/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard , Balestrand, Sogn og Fjordane.

7561 I Klingen (NCRI 233/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.

7761 [CBS 326.67; IMI 232818] *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd 10 Jun 2005. Netherlands.

7762 [IMI 303228] From spawned mushroom compost. Rec'd 10 Jun 2005. United Kingdom. **RESTRICTED ACCESS:** *consult Curator*.

8034 NV Meyling (KVL 03-140). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil of hedge. 6 Sep 2002. Denmark: Bakkegården, Copenhagen, Tåstrup, Zealand. 55°40' N, 12°18' E.

9452 [SRCAMB VL-1582] V Likhovidov. Larva, [Coleoptera: Elateridae]. 14 Sep 2004. Russian Federation: Caucasus Mountains, Karachayevo-Cherkessiya Republ. Field Collection Number F-508.

9453 [SRCAMB AS-657] V Likhovidov. Isolated from soil sample. Sep 2005. Russian Federation: Tver Region. Field Collection Number F-1028.

9599 X Zou (6). [Lepidoptera: Noctuidae]. Rec'd 19 Jan 2010. PR China: Guizhou Province.

10277 DJ Bruck (IP-780) and J Fisher. Rhizosphere of blueberry crop. 21 Jul 2009. USA: Benton County, Oregon. Identification verified genomically.

10278 DJ Bruck (IP 951) and J Fisher. Rhizosphere of blueberry crop. 21 Jul 2009. USA: Benton County, Oregon. Identification verified genomically.

10279 DJ Bruck (IP 957) and J Fisher. Rhizosphere of grape crop. 5 Aug 2009. USA: Polk County, Oregon.

10280 DJ Bruck (IP 969) and J Fisher. Rhizosphere of blueberry crop. 31 Jul 2009. USA: Benton County, Oregon. Identification verified genomically.

Beauveria caledonica Bissett & Widden
[Sordariomycetes: Hypocreales]
Cordycipitaceae

1567 S Keller (D156). [Coleoptera: Scolytidae]. 14 Aug 1984. Switzerland: Siblingen, Schaffhausen. Identification verified genomically.

2251 IMI ← HC Evans (Ro 596). Adult, [Coleoptera]. Feb 1980. Brazil: Belém, Pará. Identification verified genomically.

2567 CCFC (DAOM 191855) ← P Widden. Natural heather moors, A1 horizon. Rec'd 17 May 1988. Scotland: Banchory, Grampian. CULTURE EX TYPE.

4302 [DAT 333] AC Rath (F333) ← H Yip (HY26). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania. Identification verified genomically.

7117 WK Reeves. [Orthoptera: Gryllacrididae]. 4 Apr 2003. USA: Rusty's Cave, Dade County, Georgia. Identification verified genomically.

8024 NV Meyling (KVL 03-70). *Amphimallon solstitialis* [Coleoptera: Scarabaeidae] from soil. 12 Jul 2000. Denmark: Jægerspris, Zealand. Identification verified genomically.

Beauveria kipukae SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Defined primarily by genotypic characters

7032 RG Hollingsworth (KNF2002-1). [Homoptera: Delphacidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii. EX-TYPE ISOLATE; species defined by genomic characters.

Beauveria malawiensis SA Rehner & Aquino de Muro
[Sordariomycetes: Hypocreales]
Cordycipitaceae

4755 [DAT 367] AC Rath (F367) ← H Yip (HY227). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania. Identification verified genomically.

7760 [IMI 228343] *Phoracantha semipunctata* [Coleoptera: Cerambycidae]. 4 May 1978. Malawi: Zomba, Southern. CULTURE EX TYPE.

Beauveria pseudobassiana (sp. nov.,unpubl.)
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Defined primarily by genotypic characters

1855 P Spencer and HS Whitney (R640). Adult, *Ips* sp. [Coleoptera: Scolytidae]. Jul 1984. Canada: Christina Lake, British Columbia. Identification verified genomically.

2997 MS Goettel. *Vespula vulgaris* [Hymenoptera: Vespidae]. 24 Feb 1990. Canada: Lethbridge, Alberta. Identification verified genomically.

3216 LK Rieske. *Thrips calcaratus* [Thysanoptera: Thripidae]. Summer 1991. USA: Rusk County, Wisconsin. Identification verified genomically.

3220 LA Lacey. *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd Feb 1991. Portugal. Identification verified genomically.

3405 AE Hajek (18). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: Koontz Lokey, Page County, Virginia. EX-TYPE ISOLATE for species defined genomically.

3529 AE Hajek (73a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: Resurrection, Prince Georges County, Maryland. Identification verified genomically.

4933 LA Lacey (95035). *Tomicus minor* [Coleoptera: Scolytidae] Pinus nigra. 4 Apr 1995. France: Saint-Etienne, de Gourgas. Identification verified genomically.

6229 [RCEF 0231] Adult, [Coleoptera: Scolytidae (Tribe Ipini)]. 8 Aug 1996. PR China: Guizhou Province. Identification verified genomically.

7242 JM Sung (EFCC 1440). [Hymenoptera]. 25 Jul 1997. Republic of Korea: Odae Mt., Kangwon-do. Identification verified genomically.

8045 LB Flor and TJ Kurtti. *Ixodes scapularis* [Acari: Ixodidae]. 22 Nov 2002. USA: St. Croix, Minnesota.

8046 LB Flor (SCIs3) and TJ Kurtti. *Ixodes scapularis* [Acari: Ixodidae]. 22 Nov 2002. USA: St. Croix, Minnesota. Single spore isolate of ARSEF 8045. GenBank ITS sequence: DQ679897, GenBank EFla sequence: DQ679900.

Beauveria sungii SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Defined primarily by genotypic characters

1685 M Shimazu (F-450). *Lachnosterna morosa* [Coleoptera: Scarabaeidae]. Acc'd 2 Nov 1984. Japan: Ibaraki Prefecture. EX-TYPE ISOLATE for species defined genomically.

5689 JM Sung (KEFC-251). [Coleoptera: Scarabaeidae]. 20 Aug 1993. Republic of Korea: Gal-Cheon, Kangwon-do. From teleomorph morphologically resembling Cordyceps scarabaeicola. Identification of anamorph verified genomically.

7043 JM Sung (KEFC-3530). Rec'd 19 Jun 2002. From teleomorph morphologically resembling Cordyceps staphylinidaecola. Identification of anamorph verified genomically.

7044 JM Sung (KEFC-3549). Rec'd 19 Jun 2002. From teleomorph morphologically resembling Cordyceps scarabaeicola. Identification of anamorph verified genomically.

7279 JM Sung (EFCC 5014). [Coleoptera: Chrysomelidae]. 11 Jul 2000. Republic of Korea: Guryungryung, Kangwon-do. From teleomorph morphologically resembling Cordyceps scarabaeicola. Identification of anamorph verified genomically.

7280 JM Sung (EFCC 5657). [Coleoptera: Chrysomelidae]. Aug 2000. Republic of Korea: Guryungryung, Kangwon-do. From teleomorph morphologically resembling Cordyceps scarabaeicola. Identification of anamorph verified genomically.

7281 JM Sung (EFCC 5884). [Hymenoptera]. 24 Aug 2000. Republic of Korea: Guryungryung, Kangwon-do. From teleomorph morphologically resembling Cordyceps scarabaeicola. Identification of anamorph verified genomically.

Beauveria varroae SA Rehner & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Defined primarily by genotypic characters

2694 [IMI 328059] C Prior. *Larinus* sp. [Coleoptera: Curculionidae]. Rec'd 19 Mar 1989. Switzerland. Identification verified genomically.

8257 WG Meikle and G Mercadier (EBCL 05007). *Varroa destructor* [Acari: Varroidae]. 29 Jun 2005. France: Montdardier, Gard. EX-TYPE ISOLATE for species defined genomically.

8259 WG Meikle and G Mercadier (EBCL 05012). *Varroa destructor* [Acari: Varroidae]. 4 Jul 2005. France: Ur, Pyrénées-Orientales. Identification verified genomically.

Beauveria vermiconia de Hoog & Rao
[Sordariomycetes: Hypocreales]
Cordycipitaceae

2922 CBS (645.74). Volcanic ash soil. 1974. Chile: Valdivia, Los Lagos. CULTURE EX TYPE.

***Beniowskia* sp.**
[Hyphomycetes]

2751 GW Riethmacher (EB1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 5 Apr 1989. Philippines: La Trinidad, Benguet.

***Bipolaris* sp.**
[Dothideoomycetes: Pleosporales]
Pleosporaceae

6585 Rec'd 21 Sep 2000.

Calcarisporium arbuscula Preuss
[Hyphomycetes]

5999 KT Hodge. On the gills of a rotting basidiocarp of *Russula* sp. 7 Oct 1998. USA: Upper end of Lost Gorge (Hendershot Gulf), Alpine, New York. Teleomorph: *Barya agaricicola* (Berk.) Höhnel [Hypocreales: Clavicipitaceae]. From multiple ascospore culture. Specimen deposited in Cornell University Plant Pathology Herbarium as 65353. .

6155 [ATCC 36805; VKM F-2771 (=MF-251)] *Armillaria mellea* [Agaricales: Tricholomataceae]. Rec'd 6 May 1999. Russian Federation: Moscow Region.

Calcarisporium ovalisporum (Petch) de Hoog
[Hyphomycetes]
Isolated as a mycoparasite from *Hirsutella citriformis*. This fungus is not itself pathogenic for insects.

1907 MC Rombach (2). *Nilaparvata lugens* [Homoptera: Delphacidae] on rice. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

2035 MC Rombach (Cov-2). *Hirsutella citriformis*. 1985. Solomon Islands.

2036 MC Rombach (Cov-5). *Hirsutella citriformis*. 1985. Solomon Islands.

Calcarisporium parasiticum Barnett
[Hyphomycetes]

6154 [ATCC 18061; CBS 130.58] *Dothiorella quercina* from black oak. 26 Nov 1956. USA: Morgan County, West Virginia. CULTURE EX TYPE.

***Candida* sp.**
[Saccharomycetes: Saccharomycetales]

All of these strains grow as yeasts with facultative capacities to attack cockroaches. It remains uncertain whether they can be primary pathogens or depend upon the host to be stressed, wounded, or otherwise compromised.

1857 [NRRL Y-12965] JM Verrett. *Periplaneta americana* [Dictyoptera: Blattidae]. Acc'd 21 Feb 1985. USA: laboratory colony, Dillard University, New Orleans, Louisiana.

1877 [NRRL Y-12966] TB Clark. *Blattella germanica* [Dictyoptera: Blattellidae]. Rec'd 12 Oct 1983. USA: laboratory colony, Beltsville, Maryland.

1924 H deBarjac (1). *Blattella germanica* [Dictyoptera: Blattellidae]. Rec'd Jun 1985. Location not specified: laboratory colony.

1925 H deBarjac (4). *Blattella germanica* [Dictyoptera: Blattellidae]. Rec'd Jun 1985. Location not specified: laboratory colony.

1926 H deBarjac (5). *Blattella germanica* [Dictyoptera: Blattellidae]. Rec'd Jun 1985. Location not specified: laboratory colony.

5729 TJ Poprawski. *Hypothenemus hampei* [Coleoptera: Scolytidae] from laboratory colony. Rec'd 20 May 1998. USA: Weslaco, Texas.

Candida cf. pseudoglaebosa Suzuki & Nakase
[Saccharomycetes: Saccharomycetales]

7146 WK Reeves. Larva, *Wyeomyia smithii* [Diptera: Culicidae]. 23 May 2003. USA: Bull Pen Bog, Jackson County, North Carolina.

Capniomyces stellatus SW Peterson & Lichtwardt
[Kickxellomycotina: Harpellales]

9258 RW Lichtwardt (MIS-10-108). *Allocapnia granulata* [Plecoptera: Capniidae]. 1982. USA: southern Missouri, Missouri.

Catenaria anguillulae Sorokin
[Blastocladiomycetes: Blastocladiales]
Catenariaceae

2015 [ATCC 58382] BA Jaffee (Ca2). *Xiphinema* sp. [Dorylaimida: Longidoridae]. 18 Jun 1984. USA: Adams County, Pennsylvania.

***Cladosporium* sp.** Mycosphaerellaceae
[Dothideomycetes: Capnodiales]

3706 LA Lacey (052A). Adult, [Homoptera: Aleyrodidae]. 21 Mar 1992. Nepal: Katmandu.

4795 M Hoffman. *Brevicoryne brassicae* [Homoptera: Aphididae] *Brassica* sp. 10 Jul 1994. USA: Geneva, New York.

6226 JL Hatting (Sample A). *Orachrysops ariadne* [Lepidoptera: Lycaenidae: Polyommatinae]. Rec'd 16 Jul 1999. South Africa.

6442 K Cote. *Tetranychus urticae* [Acari: Tetranychidae] on leaves of *Buddleia x davidii*. Jan 2000. USA: greenhouse, VA Tech Hampton Road Research Facility, Virginia Beach, Virginia.

6586 Rec'd 21 Sep 2000.

7035 RG Hollingsworth (KNF2002-5). [Homoptera: Coccidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.

7039 RG Hollingsworth (KNF2002-9). [Homoptera: Cicadellidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.

Cladosporium cladosporioides (Fresenius) de Vries
[Dothideomycetes: Capnodiales]
Mycosphaerellaceae

3085 J Peña. *Eotetranychus* sp. [Acari: Tetranychidae] on *Cassava* sp. 30 Aug 1990. USA: Homestead, Florida.

3375 [Puerto Rico 04-91] F Gallardo ← G Mejía. Adult, nymphs & pupa, *Thrips palmi* [Thysanoptera: Thripidae] on eggplant, *Solanum melongena*. Jun 1991. USA: Río Piedras, Puerto Rico.

3463 D Wilson ← T Whitham. Gall, *Pemphigus betae* [Homoptera: Aphididae] on narrowleaf cottonwood, *Populus angustifolia*. Rec'd 5 Nov 1991. USA: Arizona. Contains *Verticillium* ?*lecanii* as mycoparasite.

6273 K Cote. Rec'd 27 Sep 1999.

9614 JG Banu (4). *Phenacoccus solenopsis* [Homoptera: Pseudococcidae]. Aug 2008. India: Coimbatore, Tamil Nadu.

9616 S Jeyarani (TNAU 2). *Tetranychus urticae* [Acari: Tetranychidae] on *Vigna unguiculata* (L.) Walp., cowpea. Dec 2009. India: Coimbatore, Tamil Nadu.

Cladosporium cladosporioides(?) (Fresenius) de Vries
[Dothideomycetes: Dothideales]
Mycosphaerellaceae

7033 RG Hollingsworth (KNF2002-3). [Homoptera: Aphididae]. 26 Jan 2002. USA: Hilo, Hawaii.

Cladosporium herbarum (Persoon) Link
[Dothideomycetes: Capnodiales]
Mycosphaerellaceae

3792 ARN Farias. On *Manihot esculenta* Crantz, cassava. Rec'd 19 Oct 1992. Brazil.

4361 DW Roberts ← CF Robbs. *Aphis gossypii* [Homoptera: Aphididae] Citrus. Jan 1994. Brazil: Itaguai, Rio de Janeiro.

Cladosporium sphaerospermum Penzig
[Dothideomycetes: Capnodiales]
Mycosphaerellaceae

6516 RT Mayer. Larva, *Diaprepes abbreviata* [Coleoptera: Curculionidae]. Rec'd 10 May 2000. USA: Florida.

***Clavicipitaceae* anamorph**
[Sordariomycetes: Hypocreales]

7090 KT Hodge (PR74). 9 Jul 2002.

7508 M Liu (CR01). Rec'd 27 May 2005. Costa Rica.

7509 M Liu (CR02). Rec'd 14 Sep 2004. Costa Rica.

7510 M Liu (CR06). Rec'd 7 Feb 2005. Costa Rica.

7511 M Liu (CR07). Rec'd 27 May 2005. Costa Rica.

7514 M Liu (CR28). Rec'd 7 Feb 2005. Costa Rica.

7515 M Liu (CR33). Rec'd 14 Sep 2004. Costa Rica.

7610 Rec'd 4 Feb 2005.

7618 M Liu (ml177). Rec'd 14 Sep 2004. USA: Puerto Rico.

7619 M Liu (ml186-1). Rec'd 14 Sep 2004. USA: Puerto Rico.

7640 M Liu (CR 23). Rec'd 14 Sep 2004. Costa Rica.

7646 P Chaverri (PC 544). Rec'd 27 May 2005.

7649 P Chaverri (PC 565). Rec'd 27 May 2005.

7654 P Chaverri (PC 604). Rec'd 27 May 2005.

7657 P Chaverri (PC 616). Rec'd 27 May 2005.

7665 P Chaverri ← HC Evans (I93-903). Rec'd Mar 2005.

7683 [RCEF 1260] M Liu. 9 Aug 2004. PR China: Dinghushan, Guangdong Province.

7684 M Liu (CR 21). Rec'd 14 Sep 2004. Costa Rica.

7687 M Liu (ml 146). Rec'd 14 Sep 2004. USA: Puerto Rico.

7688 M Liu (ml 148). Rec'd 14 Sep 2004. USA: Puerto Rico.

7689 M Liu (ml 159). Rec'd 14 Sep 2004. USA: Puerto Rico.

7690 M Liu (ml 171). Rec'd 14 Sep 2004. USA: Puerto Rico.

7691 M Liu (ml 172-1). Rec'd 14 Sep 2004. USA: Puerto Rico.

7692 M Liu (ml 186-3). Rec'd 14 Sep 2004. USA: Puerto Rico.

7693 M Liu (ml 187-1). Rec'd 14 Sep 2004. USA: Puerto Rico.

7694 M Liu (ml 187-2). Rec'd 14 Sep 2004. USA: Puerto Rico.

7695 M Liu (ml 202-1). Rec'd 14 Sep 2004. USA: Puerto Rico.

7753 Acc'd 12 Dec 2005.

Clonostachys candelabrum (Bonord.) Schroers
[Sordariomycetes: Hypocreales]
Bionectriaceae

9499 [SRCAMB AS-625] V Likhovidov. Isolated from soil sample. 2004. Russian Federation: Moscow Region. Field Collection Number F-114.

Clonostachys rosea (Link : Fries) Schroers, Samuels, Seifert & W Gams
[Sordariomycetes: Hypocreales]
Bionectriaceae

7200 [CBS 115882; CEP 050] C López Lastra. Adult, female, *Oncometopia tucumana* [Homoptera: Cicadellidae] on *Lantana camara* L. 28 Mar 2003. Argentina: Horco Molle, Tucumán.

7472 [CBS 115883; CEP 066] C López Lastra. *Sonesimia grossa* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 27 Sep 2003. Argentina: Parque Nacional El Palmar, Colón, Entre Ríos.

9491 [SRCAMB B-46] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Scarabaeidae]. Jul 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-279.

9492 [SRCAMB VL-1600] V Likhovidov. [Araneida]. 14 Sep 2004. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-536.

9493 [SRCAMB VL-1344] V Likhovidov. [Lepidoptera] Isolated from *Cordyceps* sp. 12 Aug 2003. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-916.

Coelomycidium simulii Debaisieux
[Blastocladiomycetes: Blastocladiales]
Cultures are vegetative only. No zoospores have been induced by any medium or treatment used. Zoospore ultrastructure is typically blastocladialean.

218 LS Bauer. *Simulium venustum* [Diptera: Simuliidae]. 24 May 1978. USA: Otter Pond Creek, Milford, Maine.

***Coemansia* sp.**
[Kickxellomycotina: Kickxellales]
Kickxellaceae

2452 GL Benny (21A). Rec'd 31 Aug 1987. Location not specified.

***Colletotrichum* sp.**
[Sordariomycetes]
Glomerellaceae

10308 [ERL 1953] S Gouli (SM-10-1) and V Gouli. *Neolecanium cornuparvum* [Homoptera: Coccidae]. 2010. USA: Burlington, Vermont.

Colletotrichum fioriniae (Marcelino & Gouli) R.G. Shivas & Y.P. Tan
[Sordariomycetes]
Glomerellaceae

10219 [ERL 1204] S Gouli (EHS-41) and V Gouli. *Fiorinia externa* [Homoptera: Diaspididae]. 2005. USA: Mohonk Preserve, Ulster County, New York.

10220 [ERL 1211] S Gouli (EHS-48) and J Marcelino. *Fiorinia externa* [Homoptera: Diaspididae]. 2005. USA: Bayberry Lane, Westchester County, New York.

10221 [ERL 1214] S Gouli and V Gouli (EHS-51). *Fiorinia externa* [Homoptera: Diaspididae]. 2005. USA: Hemlock Ridge State Forest, Esopus, New York.

10222 [CBS 128517; ERL 1257] S Gouli (EHS-58) and V Gouli. *Fiorinia externa* [Homoptera: Diaspididae]. 2005. USA: Ward Pound Ridge Reservation, Westchester County, New York. CULTURE EX TYPE.

10223 [ERL 1260] S Gouli and V Gouli (EHS-61). *Fiorinia externa* [Homoptera: Diaspididae]. 2005. USA: Ward Pound Ridge Reservation, Westchester County, New York.

Colletotrichum gloeosporioides (Penz.) Penz. & Sacc.
[Sordariomycetes]
Glomerellaceae

4360 DW Roberts ← CF Robbs. *Orthezia praelonga* [Homoptera: Ortheziidae] on *Nicotiana tabacum* L., tobacco. Feb 1994. Brazil: Rio de Janeiro, Rio de Janeiro.

***Conidiobolus* sp.**
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae. These strains include a heterogeneous assortment of fungi isolated as saprobes and as zoopathogens. Some may represent undescribed new species. Identifications of *Conidiobolus* species are made difficult by the relative lack of taxonomic characters and of any modern taxonomic attention.

Caution: Strains derived from mammalian mycoses should be treated as potentially hazardous; observe handling precautions noted for *Conidiobolus coronatus*.

80 RG Kenneth (3081) or (C.o. 15) ← A Uziel. Larva, *Hypera variabilis* [Coleoptera: Curculionidae]. Mar 1976. Israel: alfalfa field, Sedé Eliyahu.

81 RG Kenneth (3082) or (C.o. 10) ← A Uziel. Larva, *Hypera variabilis* [Coleoptera: Curculionidae]. Mar 1976. Israel: Sedé Eliyahu.

92 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 7 Jul 1976. USA: west side, 2nd Musquacook Lake, Musquacook, Maine.

93 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 7 Jul 1976. USA: west side, 2nd Musquacook Lake, Musquacook, Maine.

94 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 7 Jul 1976. USA: west side, 2nd Musquacook Lake, Musquacook, Maine.

147 JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 26 Jun 1977. USA: Carroll, Maine.

148 JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 20 Jun 1977. USA: forest, Maine.

211 DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. 27 Mar 1978. India: insectary, Hyderabad, Andhra Pradesh.

391 S Keller (21). [Homoptera: Cercopidae]. Rec'd 18 Oct 1979. Switzerland.

517 DW Roberts (82380-19). *Nilaparvata lugens* [Homoptera: Delphacidae]. 23 Aug 1980. Malaysia: Bumbong Lima, Icepala Batas, Wellesley Province.

522 DW Roberts (82180-7b). *Nilaparvata lugens* [Homoptera: Delphacidae] on leaves. 21 Aug 1980. Malaysia.

564 RS Soper (8133-1/BPH-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.

595 RS Soper (81227-2). *Nilaparvata lugens* [Homoptera: Delphacidae]. 27 Feb 1981. Indonesia: Bantul District, Yogyakarta, Java.

596 RS Soper (81226-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 26 Feb 1981. Indonesia: Bantul District, Yogyakarta, Java.

604 RS Soper (8133-2). *Sogatella furcifera* [Homoptera: Delphacidae]. 3 Mar 1981. Indonesia: Pangkep Kaba, Sulawesi Selatan, Celebes.

605 RS Soper (8133-1). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.

606 RS Soper (8133-1). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.

999 J Aoki (Ent. 45) ← T Kobayashi. [Homoptera: Aphididae]. Jun 1981. Japan: Fuchu, Tokyo Prefecture.

1426 RS Soper (8465-1). [Homoptera: Aphididae] on rose. 6 May 1984. Yugoslavia: Plant Protection Institute, Belgrade.

1444 M Smith (L05 and 001). Soil/plant detritus. 1984. United Kingdom: marshy area by pool, U. of Keele, Staffordshire, England.

1445 M Smith (K13 and 004). Soil/plant detritus. 1984. United Kingdom: turf behind Keele Hall, U. of Keele, Staffordshire, England.

1477 [CNPAF 84-04-25-2; CP 167] SM dos Santos. [Orthoptera: Tettigoniidae]. 25 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.

1485 M Smith (N01 and 141). Soil/plant detritus. 1984. United Kingdom: grazed pasture behind Keele Hall, U. of Keele, Staffordshire, England.

1486 M Smith (O08 and 017). Soil/plant detritus. 1984. United Kingdom: wheat field, U. of Keele, Staffordshire, England.

1487 M Smith (Q01 and 119). Soil/plant detritus. 1984. United Kingdom: grazed pasture behind Keele Hall, U. of Keele, Staffordshire, England.

1488 M Smith (I01 and 020). Soil/plant detritus. 1984. United Kingdom: grazed pasture behind Keele Hall, U. of Keele, Staffordshire, England.

1672 GO Poinar ← GM Thomas. *Porcellio* sp. [Isopoda: Oniscoidea]. 5 Jun 1984. USA: California.

1967 T Burger. *Schizaphis graminum* [Homoptera: Aphididae]. Aug 1985. USA: laboratory colony, APHIS-PPQ, Niles, Michigan.

2130 IL Sivcev (160/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 2 Oct 1985. Yugoslavia: Zemun, Belgrade.

2147 MA Naves. *Deois* sp. [Homoptera: Cercopidae]. 4 Mar 1986. Brazil: Mato Grosso.

2148 MA Naves. *Deois flavopicta* [Homoptera: Cercopidae]. 21 Mar 1986. Brazil: Mato Grosso.

2193 [CNPAF 86-5-19; CP 203] SM dos Santos. [Hymenoptera]. 19 May 1986. Brazil: CNPAF, Goiânia, Goiás.

2494 J Eilenberg (KVL 15). [Diptera: Anthomyiidae]. 25 Jul 1986. Denmark: Svanholm, Malmöhus.

2498 J Eilenberg (KVL 25). *Ptychoptera contaminata* [Diptera: Ptychopteridae]. 25 Aug 1986. Denmark: Kattinge Vig, Roskilde.

2672 J Eilenberg (KVL 49). *Delia radicum* [Diptera: Anthomyiidae]. 2 Aug 1988. Denmark: Roskilde, Zealand.

2771 GW Riethmacher (C3). *Plutella xylostella* [Lepidoptera: Plutellidae]. 11 Apr 1989. Philippines: La Trinidad, Benguet.

2772 GW Riethmacher (C4). *Plutella xylostella* [Lepidoptera: Plutellidae]. 14 Apr 1989. Philippines: La Trinidad, Benguet.

2815 GW Riethmacher (C5). *Plutella xylostella* [Lepidoptera: Plutellidae]. 14 Apr 1989. Philippines: La Trinidad, Benguet.

2816 GW Riethmacher (C6). *Plutella xylostella* [Lepidoptera: Plutellidae]. 9 Jun 1989. Philippines: La Trinidad, Benguet.

2819 SR Sánchez Peña (4-2). Adult:queen, *Solenopsis invicta* [Hymenoptera: Formicidae] soil. 5 Aug 1989. USA: College Station, Texas.

2924 CDC (B-4742). Nasal granulomata of sheep. Rec'd 13 Dec 1989. Australia.

2925 CDC (B-4741). Nasal granulomata of sheep. Rec'd 13 Dec 1989. Australia.

2926 CDC (B-4743). Nasal granulomata of sheep. Rec'd 13 Dec 1989. Australia.

2927 CDC (B-4744). Nasal granulomata of sheep. Rec'd 13 Dec 1989. Australia.

2928 [UTMB 3109] L Pasarell. *Homo sapiens* [Primates: Hominidae]. Rec'd 18 Sep 1989. USA: Port Arthur, Texas.

3208 GW Riethmacher (C4.1a). *Plutella xylostella* [Lepidoptera: Plutellidae]. 16 Oct 1990. Philippines: La Trinidad, Benguet.

3383 I Majchrowicz (18). *Aphis fabae* [Homoptera: Aphididae] on bean. 27 Jun 1991. USA: Grandpa's garden, Granger, Washington.

3384 I Majchrowicz (25-b). *Myzus persicae* [Homoptera: Aphididae] on potato. 11 Jul 1991. USA: Orchard Farm, Yakima, Washington.

3402 MS Goettel (17) ← G Pohl and D Yu. 30 Sep 1991. Canada: Agriculture Canada Research Station, Lethbridge, Alberta.

3406 BJ Cochrane ← K Chernov (V). Soil. Rec'd 7 Oct 1991. USA: mowed USF grounds by UPD, Tampa, Florida.

3407 BJ Cochrane ← K Chernov (VI). Soil. Rec'd 7 Oct 1991. USA: mowed USF grounds by UPD, Tampa, Florida.

3409 BJ Cochrane ← K Chernov (Ruby Mine). Soil. Rec'd 7 Oct 1991. USA: exposed mountainside, Franklin, North Carolina.

3763 R Nelson. Jun 1992. Costa Rica.

5404 BL Parker (GA-113). *Gargara* sp. [Homoptera: Membracidae] on wild cereal. Jun 1996. USA: Burlington, Vermont.

5405 BL Parker (GA-169). *Gargara* sp. [Homoptera: Membracidae] on wild cereal. 17 Aug 1996. Canada: Philipsburg, Québec.

5406 BL Parker (GA-169A). *Gargara* sp. [Homoptera: Membracidae] on wild cereal. 17 Aug 1996. Canada: Philipsburg, Québec.

5712 RA Humber. From forest litter. 2 May 1998. Republic of Korea: Kangwon National University Forest Plantation, Chuncheon, Kangwon-do.

6424 MK Er. 3rd instar larva, *Tipula paludosa* [Diptera: Tipulidae]. 18 Dec 1999. United Kingdom: Grassland for recreation, Northumberland, England.

6505 S Gouli and V Gouli (GA-348). From soil. May 1999. USA: Guilford, Vermont.

6659 JL Hatting. *Eriosoma lanigerum* [Homoptera: Aphididae] feeding underground on apple tree roots. 24 Jul 2000. South Africa: Oak Valley, Western Cape, Cape Province.

7216 [SRCAMB B-157] V Likhovidov ← BA Borisov. Rec'd 29 Sep 2003.

7786 [CEP 184] C López Lastra ← A Toledo. Adult, male, *Oliarus dimidiatus* [Homoptera: Cixiidae] on *Oryza sativa* L., rice crop. 28 Mar 2005. Argentina: Estación experimental Julio Hirschhorn, Los Hornos, Buenos Aires.

7942 B Huang (B1). Leaf litter. Nov 2005. USA: Cornell Plantations, Mundy Wildflower Garden, Ithaca, New York.

8313 B Huang (GSM3-L-1C1). 7 Oct 2006. USA: Great Smoky Mountains National Park, Tennessee.

8314 B Huang (GSM3-L-1C2). Acc'd 26 Jan 2007. USA: Great Smoky Mountains National Park, Tennessee.

8429 B Huang (M051114A3). 14 Nov 2005. USA: Cornell Plantations, Ithaca, New York.

Conidiobolus adiaeretus Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

451 [CBS 136.57; DS King C-23] ATCC (12589) ← C Drechsler. Plant detritus. Acc'd 28 Apr 1980. USA: Maryland. CULTURE EX TYPE.

6377 AA Callaghan (62) or (04 and 041). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.

8320 B Huang (3-litter-1 A). 7 Oct 2006. USA: Great Smoky Mountains National Park, Tennessee.

8427 B Huang (M051114A1). Moss. 14 Nov 2005. USA: Cornell Plantations, Ithaca, New York.

Conidiobolus antarcticus Tosi, Caretta & Humber
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae. Mycotaxon 90: 343-347 (2004)

6913 G Caretta and S Tosi. 2 Feb 1999. Antarctica: Kohler Head, Victoria Land. Culture EX TYPE.

Conidiobolus bangalorensis Srinivasan & Thirumalachar
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

449 [HACC 190; IMI 118284; NRRL 3682] ATCC (16576) ← MC Srinivasan and MJ Thirumalacher. Plant detritus. 1966. India: Bangalore, Karnataka. CULTURE EX TYPE.

Conidiobolus brefeldianus Couch
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

452 ATCC (28847) ← DS King (C-31) ← CBS (141.39) ← JN Couch. Acc'd 28 Apr 1980. USA: North Carolina. CULTURE EX TYPE.

Conidiobolus coronatus (Costantin) Batko
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae. Major synonyms: *Entomophthora coronata* (Costantin) Kevorkian, *Conidiobolus villosus* Martin.

Caution: This species is known to cause human mycoses that are primarily tropical in occurrence and confined to the nasal passages and adjacent superficial areas. Avoid inhalation of conidia and do not handle cultures without gloves if unhealed cuts or abrasions are present. This species has low pathogenicity for mammals and should be relatively safe if handled with good microbiological technique.

205 ATCC (28691) ← DS King (75). Plant detritus. Rec'd 9 Mar 1978. USA.

206 [IPLB 951.72] ATCC (32867) ← F Mariat. *Homo sapiens* [Primates: Hominidae]. Rec'd 9 Mar 1978. Nigeria.

274 BE Tucker (171). Soil from roots under *Helosis* sp. [Balanophoraceae]. Acc'd 27 Mar 1979. Costa Rica: 9.783°N lat, 83.999°W long, elev. 1950 ft, Casa Mata.

349 RS Soper. *Nilaparvata lugens* [Homoptera: Delphacidae]. 16 Feb 1979. Australia: Cairns, Queensland.

405 DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1979. Philippines: IRRI greenhouse, Lecheria, Calamba, Laguna.

406 DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1979. Philippines: IRRI greenhouse, Parian, Calamba, Laguna.

418 DW Roberts (A). *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1979. Philippines: IRRI greenhouse, Lecheria, Calamba, Laguna.

419 DW Roberts (B). [Homoptera: Cicadellidae]. Nov 1979. Philippines: IRRI greenhouse, Lecheria, Calamba, Laguna.

421 DW Roberts (E). [Homoptera: Cicadellidae]. Nov 1979. Philippines: IRRI greenhouse, Parian, Calamba, Laguna.

422 DW Roberts (F). [Homoptera: Cicadellidae]. Nov 1979. Philippines: IRRI greenhouse, Lecheria, Calamba, Laguna.

471 [DAR 30604] J Walker. Casing soil of *Agaricus brunnescens* [Hymenomycetes: Agaricales]. Apr 1978. Australia: R.D. 67, nr. Rydalmere, McGrath's Hill, New South Wales.

511 DW Roberts (81380-4). *Nilaparvata lugens* [Homoptera: Delphacidae]. 13 Aug 1980. Philippines: IRRI, Los Baños, Manila.

512 DW Roberts (82180-4a). *Nilaparvata lugens* [Homoptera: Delphacidae]. 21 Aug 1980. Malaysia.

514 DW Roberts (82180-7c). *Nilaparvata lugens* [Homoptera: Delphacidae]. 21 Aug 1980. Malaysia.

520 DW Roberts (82380-20). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae]. 23 Aug 1980. Malaysia: cages, Bumbong Lima, Icepala Batas, Wellesley Province.

523 DW Roberts (82380-22). *Nilaparvata lugens* [Homoptera: Delphacidae]. 23 Aug 1980. Malaysia: cages, Bumbong Lima, Icepala Batas, Wellesley Province.

524 DW Roberts (82180-4c). *Nilaparvata lugens* [Homoptera: Delphacidae]. 21 Aug 1980. Malaysia.

525 DW Roberts (82880-11). *Nilaparvata lugens* [Homoptera: Delphacidae]. 28 Aug 1980. Thailand: rearing cage, Chainat Rice Exp. Sta., N of Bangkok, Khlong Luang.

528 DW Roberts (82980-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 28 Aug 1980. Thailand: NBRC cages.

563 RS Soper (8133-1/BPH-2). *Nilaparvata lugens* [Homoptera: Delphacidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.

565 RS Soper (8133-1/BPH-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.

567 RS Soper (81224-2). [Araneida]. 24 Feb 1981. Indonesia: Diski Village, Medan District, Sumatera Utara.

597 RS Soper (8133-1). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.

655 DW Roberts (102381-6). *Nilaparvata lugens* [Homoptera: Delphacidae]. 23 Oct 1981. PR China: Guanzhou, Kwon Tung.

997 J Aoki (Ent. 11) ← M Shimazu. *Nilaparvata lugens* [Homoptera: Delphacidae]. Jul 1976. Japan: Chikugo, Fukuoka Prefecture.

1147 LI Rivera-Vargas. *Volvariella volvacea* [Agaricales]. 1984. USA: Mayaguez, Puerto Rico.

1572 S Keller (490). *Ceutorhynchus napi* [Coleoptera: Curculionidae]. 14 Jun 1984. Switzerland.

1573 S Keller (491). *Ceutorhynchus napi* [Coleoptera: Curculionidae]. 14 Jun 1984. Switzerland.

1574 S Keller (493). *Ceutorhynchus napi* [Coleoptera: Curculionidae]. 14 Jun 1984. Switzerland.

1575 S Keller (494). *Ceutorhynchus napi* [Coleoptera: Curculionidae]. 14 Jun 1984. Switzerland.

1736 N Wilding (4). *Myzus persicae* [Homoptera: Aphididae] isolate (Wilding # 3) passed through *Galleria mellonella* [Lepidoptera: Pyralidae] larva. Feb 1969. Laboratory manipulation.

1737 N Wilding (5). *Myzus persicae* [Homoptera: Aphididae] isolate (Wilding # 3) passed through *Galleria mellonella* [Lepidoptera: Pyralidae] larva. Feb 1969. Laboratory manipulation.

1738 [ARSEF 96 (lost)] N Wilding (32) ← C Dedryver. *Acyrthosiphon pisum* [Homoptera: Aphididae]. 3 Sep 1984. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.

1876 DG Holdom (2). *Nilaparvata lugens* [Homoptera: Delphacidae]. 8 Mar 1985. Indonesia: Cikampek, Jawa Barat, Java.

1884 [CP 173] DW Roberts ← J Brunes. *Mocis latipes* [Lepidoptera: Noctuidae]. 31 Jan 1985. Brazil: CNPAF, Goiânia, Goiás.

2715 J Newton ← M Masri. Male, *Equus ferus caballus* [Perissodactyla: Equidae]. Mar 1989. USA: Baton Rouge, Louisiana.

2730 GW Riethmacher (C1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 6 Apr 1989. Philippines: La Trinidad, Benguet.

2812 MG Feng (MD8904). *Metopolophium dirhodum* [Homoptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.

2813 MG Feng (MD8905). *Metopolophium dirhodum* [Homoptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.

2814 MG Feng (MD8906). *Metopolophium dirhodum* [Homoptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.

3087 M Wheeler ← RP Korf. [Dacrymycetales]. 12 Sep 1990. USA: Lloyd/Cornell-Ringwood Nat. Pres., Ithaca, New York.

3099 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 20 Sep 1990. USA: Hoffman field # 4B, Catherine, New York.

3109 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 25 Sep 1990. USA: Hoffman field # 4E, Catherine, New York.

3222 LS Osborne. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. Rec'd 14 Mar 1991. USA: greenhouse, IFAS, Univ. of Florida, Apopka, Florida.

3379 K Ostrovska (4) ← PG Lawlor. *Lutzomyia* sp. [Diptera: Psychodidae]. Jul 1991. Guatemala: Tical, Petén.

3414 K Ostrovska (21) ← MV Herrero. Female, *Lutzomyia sordelli* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.

3415 K Ostrovska (22) ← MV Herrero. Female, *Lutzomyia sordelli* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.

4797 [INIA 2193] J Eilenberg (KVL 614). *Epinotia aporema* [Lepidoptera: Tortricidae]. 4 May 1994. Uruguay.

5162 S Gouli (GP-69). Larva, Phylum Arthropoda, Class Insecta. 24 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.

6379 AA Callaghan (45) or (04 and 012). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.

6512 S Gouli and V Gouli (GA-361). [Thysanoptera: Thripidae] on *Tagetes erecta* L., marigold. 3 Oct 1999. USA: Burlington, Vermont.

7010 M Greif (EIAW 369). [Araneida]. 24 Aug 2001. Canada: Amisk Lake trail, Elk Island National Park, Alberta.

7011 M Greif (EIAW 389). [Hymenoptera: Formicidae]. 31 Aug 2001. Canada: Amisk Lake trail, Elk Island National Park, Alberta.

7012 M Greif (EIAW 400). [Opiliones:Palpatores]. 31 Aug 2001. Canada: Amisk Lake trail, Elk Island National Park, Alberta.

7013 M Greif (EIAW 410). [Opiliones:Palpatores]. 11 Sep 2001. Canada: Amisk Lake trail, Elk Island National Park, Alberta.

7203 [CEP 062] C López Lastra. *Delphacodes haywardii* [Homoptera: Delphacidae] reared on *Hordeum vulgare* L., barley. 19 Aug 2003. Argentina: greenhouse at CEPAVE, La Plata, Buenos Aires.

7922 KT Hodge. Isolated from unidentified mushroom growing on horse dung. 26 Sep 2005. USA: Barn, Pine Tree Road, Ithaca, New York.

8023 EC Bernard (CRSM). [Collembola] isolated from live soil arthropod extraction baited with yeast pellets. 3 Apr 2006. USA: Great Smoky Mountains National Park, Enloe Cemetery, Swain County, North Carolina.

8455 RB Rosengaus. Reproductives, *Nasutitermes corniger* [Isoptera: Termitidae] from multiple founding association. Rec'd 24 May 2007.

8715 [AFTOL 137; NRRL 28638] Rec'd 23 Jun 2008.

9295 [ERL 1600] VS Gouli (Thr-08-E1). Isolated from soil sample. 2008. USA: Vermont.

9296 [ERL 1601] VS Gouli (Thr-08-E2). Isolated from soil sample. 2008. USA: Vermont.

9913 [ERL 1746] S Gouli (Thr.-09-1) and V Gouli. 2010. USA: Vermont.

9914 [ERL 1747] S Gouli and V Gouli (Thr.-09-2). [Thysanoptera: Thripidae]. 2010. USA: Vermont.

9940 C Pérez Martínez (Lyco 1). *Lycoriella ingenua* [Diptera: Sciaridae]. Feb 2005. Mexico: Hongos Rioxal, S.A., Veracruz.

9941 C Pérez Martínez (Lyco 4). *Lycoriella ingenua* [Diptera: Sciaridae]. Feb 2005. Mexico: Hongos Rioxal, S.A., Veracruz.

9942 C Pérez Martínez (Lyco 5). *Lycoriella ingenua* [Diptera: Sciaridae]. Feb 2005. Mexico: Hongos Rioxal, S.A., Veracruz.

Conidiobolus firmipilleus Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

2731 GW Riethmacher (C2). *Plutella xylostella* [Lepidoptera: Plutellidae]. 8 Apr 1989. Philippines: La Trinidad, Benguet.

6384 AA Callaghan (53) or (08 and 026). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Arable field, Staffordshire, Keele, England.

Conidiobolus heterosporus Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

6386 AA Callaghan (04 and 036). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.

Conidiobolus iuxtagenitus Waters & Callaghan
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

6378 [ATCC 76115] AA Callaghan (55) or (04 and 023). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England. CULTURE EX TYPE.

7944 B Huang (L051115B8). Leaf litter. Nov 2005. USA: Cornell Plantations, Mundy Wildflower Garden, Ithaca, New York.

Conidiobolus lachnodes Drechsler
[Zygomycetes: Entomophthoromycotin]
Ancylistaceae

700 DW Roberts (102381-2). *Nilaparvata lugens* [Homoptera: Delphacidae]. 23 Oct 1981. PR China: Guanzhou, Kwon Tung.

Conidiobolus lamprauges Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

2338 CC Brown. 15 yr. old Arabian m, *Equus ferus caballus* [Perissodactyla: Equidae]. Dec 1986. USA: Baton Rouge, Louisiana.

6361 G St-Germain (LSPQ 0467). Rec'd 24 Nov 1999. West Indies: Trinidad and Tobago.

6385 AA Callaghan (08 and 229). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Arable field, Staffordshire, Keele, England.

Conidiobolus megalotocus Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

8428 B Huang (S051114A2). Isolated from soil sample. 14 Nov 2005. USA: Cornell Plantations, Ithaca, New York.

Conidiobolus* nr. *coronatus (Costantin) Batko
[Entomophthoromycotina: Entomophthorales]

Ancylistaceae. These strains produce secondary microconidia; their morphologies match the description of *C. coronatus* in every way except that no villose conidia have been observed. Positive identification as *C. coronatus* requires observation of villose conidia.

Caution: All precautions about handling *C. coronatus* should be observed with these strains.

598 RS Soper (8135). *Nilaparvata lugens* [Homoptera: Delphacidae]. 5 Mar 1981. Indonesia: greenhouse, Bogor, Jawa Barat, Java.

599 RS Soper (81227-4). *Nilaparvata lugens* [Homoptera: Delphacidae]. 27 Feb 1981. Indonesia: Ngaglik Village, Sleman District, Yogyakarta, Java.

600 RS Soper (81227-3). *Nilaparvata lugens* [Homoptera: Delphacidae]. 27 Feb 1981. Indonesia: Pendo Wo Har Djo, Sleman District, Yogyakarta, Java.

602 RS Soper (8133-2). *Sogatella furcifera* [Homoptera: Delphacidae]. 3 Mar 1981. Indonesia: Pangkep Kaba, Sulawesi Selatan, Celebes.

1742 DW Roberts (26102a) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 26 Oct 1984. India: greenhouse, All India Coop. Rice Inv. Project, Hyderabad, Andhra Pradesh.

1743 DW Roberts (26104) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 26 Oct 1984. India: greenhouse, All India Coop. Rice Inv. Project, Hyderabad, Andhra Pradesh.

Conidiobolus obscurus (Hall & Dunn) Remaudière & S Keller
[Entomophthoromycotina: Entomophthorales]

Ancylistaceae. Major synonym: *Entomophthora thaxteriana*

74 RG Kenneth (3043) ← ATCC (24418) and CBS (182.60) ← I Hall. *Therioaphis maculata* [Homoptera: Aphididae] on *Medicago sativa*. Dec 1954. USA: Lakeview, California. Culture presumably EX TYPE.

97 [CSIRO EM529] N Wilding (6) ← C Dedryver. *Metopolophium dirhodum* [Homoptera: Aphididae]. Acc'd 20 Nov 1978. France: nr. Rennes, Le Rheu, Ille-et-Vilaine.

121 [IPLB 20] JP Latgé and G Remaudière. *Uroleucon* sp. [Homoptera: Aphididae] on *Solidago* sp. [Asteraceae]. 25 Aug 1976. Canada: Chute aux Galets, Québec.

122 [IPLB 21] JP Latgé and G Remaudière. *Uroleucon* sp. [Homoptera: Aphididae] on *Solidago* sp. [Asteraceae]. 25 Aug 1976. Canada: Chute aux Galets, Québec.

124 [IPLB 54] JP Latgé and G Remaudière. *Aphis* sp. [Homoptera: Aphididae] on *Cornus* sp. [Cornaceae]. 26 Aug 1976. Canada: Saint-Gédéon, Québec.

133 [ARSEF 355; CSIRO EM543; IPLB 542] G Remaudière ← JP Latgé. *Aphis armata* [Homoptera: Aphididae] on *Digitalis purpurea*. 26 Jul 1974. France: Le Rosskopf, Moselle.

182 FR Holbrook. *Macrosiphum euphorbiae* [Homoptera: Aphididae]. 10 Aug 1977. USA: Maine.

243 I Majchrowicz. [Homoptera: ?Aphididae]. Rec'd 6 Sep 1978. Poland: Szczecin.

354 [ARSEF 824; CSIRO EM535] RJ Milner. *Acyrthosiphon kondoi* [Homoptera: Aphididae]. May 1978. Australia: Glen Innes, New South Wales.

355 [ARSEF 133; IPLB 542] CSIRO (EM543) ← JP Latgé. *Aphis armata* [Homoptera: Aphididae] on *Digitalis purpurea*. 26 Jul 1974. France: Le Rosskopf, Moselle.

434 [FPMI 667] JP Latgé ← IPLB (542 (=ARSEFs 133 & 355)) or (722). [Homoptera: Aphididae]. Rec'd 7 Mar 1980. France.

824 [ARSEF 354; CSIRO EM535] RJ Milner. *Acyrthosiphon kondoi* [Homoptera: Aphididae]. May 1978. Australia: Glen Innes, New South Wales.

832 CSIRO (EM566) ← PJ Cameron. *Acyrthosiphon pisum* [Homoptera: Aphididae]. 25 May 1979. Laboratory manipulation.

834 CSIRO (EM591) ← D Crawford. *Acyrthosiphon pisum* [Homoptera: Aphididae] on lucerne. 25 Jun 1980. Australia: Riverina Agricultural College, Wagga Wagga, New South Wales.

1131 [J Aoki Ent. 9; ARSEF 995 (deaccessioned)] M Shimazu (F-25). *Rhopalosiphum padi* [Homoptera: Aphididae]. Apr 1976. Japan: Chikugo, Fukuoka Prefecture.

1741 N Wilding (90). *Acyrthosiphon pisum* [Homoptera: Aphididae]. Jan 1979. Laboratory manipulation.

3089 MG Feng (MTRM9002). *Rhopalosiphum maidis* [Homoptera: Aphididae] on late-sown spring grain crop. 31 Jul 1990. USA: Bozeman, Montana.

3090 MG Feng (MTRM9003). *Rhopalosiphum maidis* [Homoptera: Aphididae] on late-sown spring grain crop. 31 Jul 1990. USA: Bozeman, Montana.

3092 MG Feng (MTMD9002). *Metopolophium dirhodum* [Homoptera: Aphididae] on late-sown spring grain crop. 17 Aug 1990. USA: Bozeman, Montana.

3132 K Hural (GF-4). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.

3133 K Hural (GF-5). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.

3134 K Hural (GF-6). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.

3135 K Hural (GF-7). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. Oct 1990. USA: Game Farm Rd., Ithaca, New York.

3137 K Hural (Hoff-2). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.

3138 K Hural (Hoff-3). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.

3139 K Hural (Hoff-4). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.

3141 K Hural (Hoff-6). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 16 Oct 1990. USA: Hoffman field, Catherine, New York.

5992 C Nielsen (KVL 98-13). Alate, *Rhopalosiphum padi* [Homoptera: Aphididae] on *Prunus padus*. 25 Sep 1998. Denmark: Copenhagen, Zealand.

7217 [SRCAMB G-161] V Likhovidov. Rec'd 29 Sep 2003.

9536 [SRCAMB VL-1704; VIZR 47] V Likhovidov. Rec'd 14 Aug 2008. Field Collection Number F-154.

Conidiobolus osmodes Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

79 [FPMI 695] RG Kenneth (3080) or (3) ← A Uziel. Larva, *Hypera variabilis* [Coleoptera: Curculionidae]. Mar 1976. Israel: Sedé Eliyahu.

193 [ARSEF 447; ATCC 12590; CBS 155.56; RG Kenneth 3123; DS King M-7] C Drechsler. Decaying vegetable detritus. 20 Dec 1950. USA: Laplace, Louisiana. CULTURE EX TYPE.

447 [ARSEF 193 (lost); CBS 155.56; RG Kenneth 3123; DS King M-7] ATCC (12590) ← C Drechsler. Decaying vegetable detritus. 20 Dec 1950. USA: Laplace, Louisiana. CULTURE EX TYPE.

Conidiobolus osmodes(?) Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

5993 C Nielsen (KVL 98-15). Alate, *Rhopalosiphum padi* [Homoptera: Aphididae] on *Prunus padus*. 25 Sep 1998. Denmark: Copenhagen, Zealand.

Conidiobolus paulus Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

450 [CBS 140.57] ATCC (12942) ← C Drechsler. Plant detritus. 18 Nov 1954. USA: Park Falls, Wisconsin. CULTURE EX TYPE.

Conidiobolus pseudapiculatus S Keller
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae. This species is morphologically similar to *Batkoa apiculata* (q.v.) in the size and shape of its primary conidia and production of stout rhizoids with a discoid holdfast.

1662 [IPLB 698] S Keller (478) ← JP Latgé. Rec'd 16 Oct 1984. Location not specified.

1664 [IPLB 877] S Keller (480) ← JP Latgé. Rec'd 16 Oct 1984. Location not specified.

1665 [IPLB 1027] S Keller (482) ← JP Latgé. Rec'd 16 Oct 1984. Location not specified.

2493 J Eilenberg (KVL 6). *Psila rosae* [Diptera: Psilidae]. 25 May 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.

2496 J Eilenberg (KVL 11). *Psila rosae* [Diptera: Psilidae]. 2 Jun 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.

2497 J Eilenberg (KVL 21). *Psila rosae* [Diptera: Psilidae]. 11 Aug 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.

2502 J Eilenberg (KVL 24). *Psila rosae* [Diptera: Psilidae]. Aug 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.

Conidiobolus pumilus Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

453 [CBS 152.56; DS King C-32] ATCC (12584) ← C Drechsler. Plant detritus. 28 Feb 1952. USA: Arlington, Virginia. CULTURE EX TYPE.

6383 AA Callaghan (35) or (01 and 020). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Pasture, Staffordshire, Keele, England.

Conidiobolus rhysosporus Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

448 [CBS 157.56] ATCC (12588) ← C Drechsler. Decaying vegetable detritus. Acc'd 28 Apr 1980. USA: Laplace, Louisiana. CULTURE EX TYPE.

Conidiobolus stromoideus Srinivasan & Thirumalachar
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

8430 B Huang (L051115B3). Nov 2005. USA: Ithaca, New York.

Conidiobolus thromboides Drechsler
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae. Major synonyms: *Entomophthora virulenta* Hall & Dunn, *Entomophthora pyriformis* Thoizon, *Entomophthora destruens* Weiser & Batko.

2 [ARSEF 3364; CSIRO EM570] FR Holbrook. *Myzus persicae* [Homoptera: Aphididae]. May 1972. USA: greenhouse, Aroostook State Farm, Presque Isle, Maine.

5 RS Soper. Adult, [Diptera: Heliomyzidae]. 31 Jul 1972. USA: Aroostook State Farm, Presque Isle, Maine.

15 [ARSEF 115, 208, 3360, 3361; CBS 183.60; CSIRO EM510, EM571; RG Kenneth 3022, 3035; NRRL 2780] ATCC (14270) ← I Hall. *Therioaphis maculata* [Homoptera: Aphididae] on *Medicago sativa*. Rec'd 2 Oct 1972. USA: California. CULTURE EX TYPE of *Entomophthora virulenta*.

22 RS Soper ← JE Henry. [Orthoptera: Acrididae]. 1973. USA: Bozeman, Montana.

29 RS Soper ← I Hall. *Therioaphis maculata* [Homoptera: Aphididae]. Acc'd 19 Apr 1982. USA: California.

39 RS Soper. *Myzus persicae* [Homoptera: Aphididae]. 12 Mar 1973. USA: State of Maine Potato Field, Homestead, Florida.

40 [ARSEF 3362; RG Kenneth 3024] *Macrosiphum euphorbiae* [Homoptera: Aphididae]. 1973. USA: Aroostook State Farm, Presque Isle, Maine.

41 [ARSEF 3359; RG Kenneth 3023] *Myzus persicae* [Homoptera: Aphididae]. Aug 1974. USA: Aroostook State Farm, Presque Isle, Maine.

42 [ARSEF 117 (lost); RG Kenneth 3025] N Wilding (3). *Aphis fabae* [Homoptera: Aphididae]. Jul 1973. United Kingdom: field collection, Bedfordshire, England.

57 RS Soper. *Myzus persicae* [Homoptera: Aphididae]. 29 Aug 1975. USA: Rogers Farm, Stillwater, Maine.

58 [Homoptera: Aphididae]. 18 May 1975. Commonwealth of Independent States.

59 [Homoptera: Aphididae]. 25 Jul 1975. Commonwealth of Independent States.

63 [CSIRO EM557] *Myzus persicae* [Homoptera: Aphididae]. 27 Jul 1975. Commonwealth of Independent States.

64 27 Jul 1975. Commonwealth of Independent States.

70 [ARSEF 3363; IPLB 4] G Remaudière ← R Krejzova. *Culex pipiens pipiens* [Diptera: Culicidae]. Acc'd Feb 1978. Czech Republic.

73 [CSIRO EM534; FPMI 28] RG Kenneth (3040) ← ATCC (24419) ← DM MacLeod ← G Thoizon. *Rhopalosiphum insertum* [Homoptera: Aphididae]. Rec'd 18 Jan 1976. France: Val-de-Marne, La Varenne.

83 [CSIRO EM551, EM572] RG Kenneth (3086) or (E.a. 38) ← A Uziel. *Aphis gossypii* [Homoptera: Aphididae] on pomegranate. 1976. Israel: Sedé Eliyahu.

84 [ARSEF 85] I Majchrowicz (14 10.6). Reisolate of ARSEF 22. Rec'd 6 Jul 1976. Laboratory manipulation.

85 [ARSEF 84] I Majchrowicz (14 10.6). Reisolate of ARSEF 22. Rec'd 6 Jul 1976. Laboratory manipulation.

86 [ARSEF 87] I Majchrowicz (17 16.6). [Diptera]. Sep 1974. Poland: Wielkopolski National Park.

87 [ARSEF 86] I Majchrowicz (17 16.6). [Diptera]. Sep 1974. Poland: Wielkopolski National Park.

99 N Wilding (8) ← EG Voronina. *Myzus persicae* [Homoptera: Aphididae]. 1963. Commonwealth of Independent States: St. Petersburg, Russia.

100 [CSIRO EM552, EM573] N Wilding (9) ← EG Voronina. *Acyrthosiphon pisum* [Homoptera: Aphididae]. 1963. Commonwealth of Independent States.

101 [ARSEF 1733] N Wilding (1). *Cavariella theobaldi* [Homoptera: Aphididae]. 20 Sep 1968. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.

102 [ARSEF 1734, 363; CSIRO EM503] N Wilding (2). *Cavariella theobaldi* [Homoptera: Aphididae]. 20 Sep 1968. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.

115 [ARSEF 15, 208, 3360, 3361; CBS 183.60; CSIRO EM510, EM571; RG Kenneth 3022, 3035; NRRL 2780] ATCC (14270) ← I Hall. *Therioaphis maculata* [Homoptera: Aphididae] on *Medicago sativa*. Acc'd 18 Dec 1987. USA: California. CULTURE EX TYPE of *Entomophthora virulenta*.

120 [IPLB 19] JP Latgé and G Remaudière. *Uroleucon* sp. [Homoptera: Aphididae] on *Solidago* sp. [Asteraceae]. 25 Aug 1976. Canada: Chute aux Galets, Québec.

194 I Ben-Ze'ev (38). *Aphis gossypii* [Homoptera: Aphididae] on pomegranate tree. Apr 1976. Israel: Sedé Eliyahu.

208 [ARSEF 115, 15, 3360, 3361; ATCC 14270; CBS 183.60; CSIRO EM510, EM571; RG Kenneth 3022, 3035; NRRL 2780] G Hartmann ← I Hall. *Therioaphis maculata* [Homoptera: Aphididae] on *Medicago sativa*. Rec'd Mar 1978. USA: California. CULTURE EX TYPE of *Entomophthora virulenta*.

242 I Majchrowicz. *Aphis fabae* [Homoptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.

244 I Majchrowicz. *Aphis fabae* [Homoptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.

245 I Majchrowicz. *Aphis fabae* [Homoptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.

246 I Majchrowicz. *Aphis fabae* [Homoptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.

247 I Majchrowicz. *Aphis fabae* [Homoptera: Aphididae] on sugar beet. Rec'd 6 Sep 1978. Poland: Szczecin.

248 I Majchrowicz ← EG Voronina. [Homoptera: Aphididae]. 25 Jul 1978. Commonwealth of Independent States.

249 I Majchrowicz ← EG Voronina. [Homoptera: Aphididae]. 25 Jul 1978. Commonwealth of Independent States.

250 I Majchrowicz ← EG Voronina. [Homoptera: Aphididae]. 25 Jul 1978. Commonwealth of Independent States.

363 [ARSEF 102, 1734] CSIRO (EM503) ← N Wilding (2). *Cavariella theobaldi* [Homoptera: Aphididae]. Acc'd 27 Jul 1979. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.

630 I Majchrowicz (106). *Aphis fabae* [Homoptera: Aphididae]. 16 Jul 1981. Poland: Gumience, Szczecin.

631 I Majchrowicz (107). *Aphis fabae* [Homoptera: Aphididae]. 16 Jul 1981. Poland: Szczecin.

632 I Majchrowicz (110). *Aphis fabae* [Homoptera: Aphididae]. 25 Jul 1981. Poland: Gryfino, Szczecin.

633 I Majchrowicz (109). *Aphis fabae* [Homoptera: Aphididae]. 23 Jul 1981. Poland: Stanpanel.

634 I Majchrowicz (111). *Aphis fabae* [Homoptera: Aphididae]. 27 Jul 1981. Poland: Szczecin.

635 I Majchrowicz (108). *Aphis fabae* [Homoptera: Aphididae]. 18 Jul 1981. Poland: Szczecin.

649 JS Ferguson. *Myzus persicae* [Homoptera: Aphididae] on potato (*Solanum tuberosum*). 7 Aug 1981. USA: Arlington Experimental Farm, Columbia County, Wisconsin.

1006 J Aoki (Ent. 15) ← H Tomiyama. [Homoptera: Aphididae]. Nov 1976. Japan: Fuchu, Tokyo Prefecture.

1733 [ARSEF 101] N Wilding (1). *Cavariella theobaldi* [Homoptera: Aphididae]. 20 Sep 1968. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.

1734 [ARSEF 102, 363; CSIRO EM503] N Wilding (2). *Cavariella theobaldi* [Homoptera: Aphididae]. 20 Sep 1968. United Kingdom: laboratory colony, Rothamsted Experimental Station, Hertfordshire, England.

1735 N Wilding (8). *Aphis fabae* [Homoptera: Aphididae]. Jul 1973. United Kingdom: Woburn Farm, Bedfordshire, England.

2828 MG Feng (MD8903). *Metopolophium dirhodum* [Homoptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.

2829 MG Feng (MD8907). *Metopolophium dirhodum* [Homoptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.

2849 MG Feng (MD8902). *Metopolophium dirhodum* [Homoptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.

2850 MG Feng (MD8908). *Metopolophium dirhodum* [Homoptera: Aphididae] on spring wheat. 21 Jul 1989. USA: Parma, Idaho.

2914 LL Hotz. *Diuraphis tritici* [Homoptera: Aphididae]. Rec'd 17 Nov 1989. USA: mixed field collection from Bozeman and Mocassin, Montana.

2955 MS Goettel. *Schizaphis graminum* [Homoptera: Aphididae]. 25 Sep 1989. Canada: Writing-on-Stone Prov. Park, Warner County, Alberta.

3129 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 28 Sep 1990. USA: Hoffman field # 6B, Catherine, New York.

3359 [ARSEF 41] Acc'd 31 Jul 1991. Location not specified. ARSEF 41 resting spores stored at 4°C on 14 May 1977 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3359.

3360 [ARSEF 115] Acc'd 31 Jul 1991. Location not specified. ARSEF 115 resting spores stored at 4°C on 23 March 1977 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3360.

3361 [ARSEF 15] Acc'd 31 Jul 1991. Location not specified. ARSEF 15 resting spores stored at 4°C on 9 July 1975 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3361.

3362 [ARSEF 40] Acc'd 31 Jul 1991. Location not specified. ARSEF 40 resting spores stored at 4°C on 31 January 1977 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3362.

3363 [ARSEF 70] Acc'd 31 Jul 1991. Location not specified. ARSEF 70 resting spores stored at 4°C from 25 March – 27 April 1976 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3363.

3364 [ARSEF 2] Acc'd 31 Jul 1991. Location not specified. ARSEF 2 resting spores stored at 4°C from 16 December – 13 January 1974 were inoculated onto plates on 17 July 1991 and accessioned as ARSEF 3364.

4968 J Hatting (A). *Diuraphis noxia* [Homoptera: Aphididae]. Aug 1995. South Africa: Bethlehem, Orange Free State.

6000 Rec'd 3 Dec 1998.

6001 Rec'd 3 Dec 1998.

6381 AA Callaghan (42) or (04 and 037). From the top 3 cm of litter and soil. Rec'd 20 Dec 1999. United Kingdom: Plantation of *Larix kaempferi*, Staffordshire, Keele, England.

6662 M Shternshis. *Acyrthosiphon pisum* [Homoptera: Aphididae]. 1981. Russian Federation: Novosibirsk Region.

7209 AE Hajek (03 NY 7-3-1). *Aphis glycines* [Homoptera: Aphididae]. 7 Aug 2003. USA: Field number 3, North Rose, New York.

7210 AE Hajek (03 NY 7-3-2). *Aphis glycines* [Homoptera: Aphididae]. 7 Aug 2003. USA: Field number 3, North Rose, New York.

7211 AE Hajek (03 NY 7-3-3). *Aphis glycines* [Homoptera: Aphididae]. 7 Aug 2003. USA: Field number 3, North Rose, New York.

7215 [SRCAMB B-156] V Likhovidov ← BA Borisov. Rec'd 29 Sep 2003.

Cordyceps sp.

[Sordariomycetes: Hypocreales]

Family cannot be determined since this genus in its old, broad sense is now segregated among several genera in three families

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3718 RA LeBrun ← J Hanula (C-4). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1991. Location not specified.

4846 JM Sung (C-208). Adult, [Hemiptera: Pentatomidae]. 9 Jul 1993. Republic of Korea: Yongmoon Mt., Gyeonggi Province.

4848 JM Sung (C-317). Larva, Host not specified. 5 Jul 1994. Republic of Korea: Seolag Mt., Kangwon-do.

4851 JM Sung (C-328). Adult, [Hymenoptera: Apidae]. 14 Jul 1994. Republic of Korea: Chiag Mt., Kangwon-do.

4852 JM Sung (C-331). Adult, *Sitophilus oryzae* [Coleoptera: Curculionidae]. Jul 1994. Republic of Korea: KNU experiment Forest, Kangwon National University.

4854 JM Sung (C-356). Adult, [Orthoptera: Acrididae]. 25 Jul 1994. Republic of Korea: Mt. Myungji, Gyeonggi Province.

4855 JM Sung (C-402). Pupa, Host not specified. 31 Aug 1994. Republic of Korea: Kangwon National University.

4856 JM Sung (C-414). Pupa, Host not specified tree branch. 31 Aug 1994. Republic of Korea: KNU Experiment Forest, Kangwon National University.

4875 JM Sung (C-128). Rec'd Feb 1995.

4876 JM Sung (C-278). Rec'd Feb 1995.

4936 H Sato (F522). Host not specified. 16 Jun 1995. Location not specified.

6281 [RCEF 0243] [Homoptera: Cicadellidae]. 8 Aug 1996. PR China: Guizhou Province.

6349 [RCEF 0244] [Homoptera: Cercopidae]. 8 Aug 1996. PR China: Guizhou Province.

7807 [SRCAM VLI-83/C] V Likhovidov. Rec'd 29 Sep 2003.

7808 [SRCAMB VL-470] V Likhovidov. [Lepidoptera] Isolated from stroma. Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-164.

7811 [SRCAMB VL-375] V Likhovidov. [Lepidoptera] Isolated from stroma. Jul 2002. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-166.

7848 [SRCAMB B-47] V Likhovidov ← BA Borisov. Larva, [Coleoptera: Scarabaeidae] Isolated from stroma. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-200.

9486 [SRCAMB VL-1610/3] V Likhovidov. Pupa, [Lepidoptera]. Sep 2004. Russian Federation: Kavkazkiy Nature Reserve, Krasnodarsky Krai. Field Collection Number F-766.

Cordyceps agriota A Kawamura
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Synonym: *Cordyceps agriotidis* A Kawamura (originally published as *C. agriota*)

5692 JM Sung (KEFC-550). Larva, Phylum Arthropoda, Class Insecta. 28 Jul 1995. Republic of Korea: Ji-am Ri, Chuncheon, Kangwon-do.

Cordyceps bassiana ZZ Li, CR Li, B Huang & MZ Fan
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Anamorph: resembles *Beauveria bassiana* (Balsamo-Crivelli) Vuillemin

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7047 [RCEF 0711] M Fan and Z Li. Larva, [Lepidoptera: Cossidae]. 3 Sep 2000. PR China: Guniujiang National Nature Reserve, Shitai County, Anhui. CULTURE EX TYPE.

Cordyceps bifusispora O Eriksson
[Sordariomycetes: Hypocreales]

Cordycipitaceae

5690 JM Sung (KEFC-402). Pupa, Phylum Arthropoda, Class Insecta. 31 Aug 1994. Republic of Korea: Bong-Myung Ri, Chuncheon, Kangwon-do.

Cordyceps brongniartii Shimazu
[Sordariomycetes: Hypocreales]

Cordycipitaceae

7516 M Shimazu (F-621). Larva, *Anomala cuprea* [Coleoptera: Scarabaeidae]. 27 Jul 1987. Japan: Nishidake, Nagano Prefecture. Isolated from a perithecium. Anamorph is Beauveria brongniartii. Identification verified genomically.

7517 M Shimazu (F-638). Larva, *Anomala cuprea* [Coleoptera: Scarabaeidae]. 16 Apr 1988. Laboratory manipulation. Isolated from an ascospore. Anamorph is Beauveria brongniartii. Identification verified genomically.

Cordyceps cardinalis Sung & Spatafora
[Sordariomycetes: Hypocreales]

Cordycipitaceae

7192 JW Spatafora (OSC 93609) and GH Sung. [Lepidoptera: Tineidae: Archolophinae]. 19 Jul 2000. USA: Hen Wallow Trail, Great Smoky Mountains National Park, Tennessee. CULTURE EX HOLOTYPE.

7193 JW Spatafora (OSC 93610) and GH Sung. [Lepidoptera: Tineidae: Archolophinae]. 19 Jul 2000. USA: Hen Wallow Trail, Great Smoky Mountains National Park, Tennessee.

7194 JW Spatafora (OSC 93612) and GH Sung. 19 Jul 2000. USA: Hen Wallow Trail, Great Smoky Mountains National Park, Tennessee.

7195 JW Spatafora (OSC 93613) and GH Sung. 19 Jul 2000. Hen Wallow Trail.

7196 JW Spatafora (OSC 93614) and GH Sung. 25 Jul 2000.

7197 JW Spatafora (OSC 93616) and GH Sung. 25 Jul 2000.

7198 JW Spatafora (OSC 93617). 25 Jul 2000.

7199 25 Jul 2000.

Cordyceps gunnii (Berkeley) Berkeley
[Sordariomycetes: Hypocreales]

Cordycipitaceae

6828 G Gates. 28 Mar 2001. Australia: Wielangta State Forest, Lake St. Clair, Tasmania.

Cordyceps isarioides Curtis ex Massee
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Synonym: *Cordyceps tuberculata* (Lebert) Maire

5688 JM Sung (KEFC-199). [Lepidoptera]. 25 Jun 1992. Republic of Korea: Bong-Myung Ri, Chuncheon, Kangwon-do.

Cordyceps militaris (Linnaeus:Fries) Link
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Anamorph: *Verticillium* sp. This species has not produced stromata, perithecia, or ascospores in culture. Vegetative hyphae and conidia are all that have been observed with standard culture media and routine physical conditions of incubation in the laboratory and/or incubator.

2416 M Shimazu (F-522). [Lepidoptera: Geometridae]. 17 Jun 1985. Japan: Mt. Akagi.

4081 KT Hodge (C1). Pupa, [Lepidoptera] Mixed hemlock/beech. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4082 KT Hodge (C2). Pupa, [Lepidoptera] Mixed hemlock/beech. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4083 KT Hodge (C3). Pupa, [Lepidoptera] Mixed hemlock/beech. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4084 KT Hodge (C4). Pupa, [Lepidoptera] Mixed hemlock/beech. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4085 KT Hodge (D1). Pupa, [Lepidoptera] Mixed hemlock/beech. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4086 KT Hodge (D2). Pupa, [Lepidoptera] Mixed hemlock/beech. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4087 KT Hodge (D3). Pupa, [Lepidoptera] Mixed hemlock/beech. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4088 KT Hodge (D4). Pupa, [Lepidoptera] Mixed hemlock/beech. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4089 KT Hodge (D5). Pupa, [Lepidoptera] Mixed hemlock/beech. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

4838 KT Hodge (kth28a). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.

4839 KT Hodge (kth28b). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.

4840 KT Hodge (kth28c). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.

4841 KT Hodge (kth28d). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.

4842 KT Hodge (kth28e). Pupa, [Lepidoptera] Soil. 11 Sep 1994. USA: Raquette Lake, New York. Single-ascospore isolate from a single fruit body.

4845 JM Sung (C-171). Pupa inside of cocoon, [Lepidoptera]. 12 Sep 1992. Republic of Korea: Kangweon Nation University Experiment Forest.

4847 JM Sung (C-275). Adult, Host not specified. 4 Sep 1993. Republic of Korea: Yongmoon Mt., Gyeonggi Province.

4857 JM Sung (C-418). Pupa, Host not specified. 3 Sep 1994. Republic of Korea: KNU Experiment Forest, Kangwon National University.

4869 JM Sung (C-225-1). Larva, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.

4873 JM Sung (C-238). Pupa, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.

4874 JM Sung (C-273). Pupa, Host not specified. 14 Aug 1993. Republic of Korea: Mt. Chil-gap, Choong-Chung Nam Do.

5002 KT Hodge (kth31A-1). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.

5003 KT Hodge (kth31A-2). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.

5004 KT Hodge (kth31A-3). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.

5005 KT Hodge (kth31A-4). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.

5006 KT Hodge (kth31A-5). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.

5007 KT Hodge (kth31A-6). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.

5008 KT Hodge (kth31A-7). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.

5009 KT Hodge (kth31A-8). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.

5010 KT Hodge (kth31A-9). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.

5011 KT Hodge (kth31A-10). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31A. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63803.

5012 KT Hodge (kth31C-1). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.

5013 KT Hodge (kth31C-2). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.

5014 KT Hodge (kth31C-3). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.

5015 KT Hodge (kth31C-4). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.

5016 KT Hodge (kth31C-5). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.

5017 KT Hodge (kth31C-6). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.

5018 KT Hodge (kth31C-7). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.

5019 KT Hodge (kth31C-8). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.

5020 KT Hodge (kth31C-9). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.

5021 KT Hodge (kth31C-10). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31C. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63805.

5022 KT Hodge (kth31D-1). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31D. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63806.

5023 KT Hodge (kth31D-2). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31D. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63806.

5024 KT Hodge (kth31D-3). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31D. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63806.

5025 KT Hodge (kth31D-4). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31D. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63806.

5026 KT Hodge (kth31D-5). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31D. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63806.

5027 KT Hodge (kth31D-6). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31D. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63806.

5028 KT Hodge (kth31D-7). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31D. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63806.

5029 KT Hodge (kth31D-8). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31D. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63806.

5030 KT Hodge (kth31D-9). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31D. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63806.

5031 KT Hodge (kth31D-10). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31D. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63806.

5032 KT Hodge (kth31E-1). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31E. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63807.

5033 KT Hodge (kth31E-2). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31E. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63807.

5034 KT Hodge (kth31E-3). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31E. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63807.

5035 KT Hodge (kth31E-4). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31E. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63807.

5036 KT Hodge (kth31E-5). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31E. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63807.

5037 KT Hodge (kth31E-6). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31E. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63807.

5038 KT Hodge (kth31E-7). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31E. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63807.

5039 KT Hodge (kth31E-8). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31E. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63807.

5040 KT Hodge (kth31E-9). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31E. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63807.

5041 KT Hodge (kth31E-10). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31E. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63807.

5042 KT Hodge (kth31E-11). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31E. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63807.

5043 KT Hodge (kth31F-1). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31F. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63808.

5044 KT Hodge (kth31F-2). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31F. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63808.

5045 KT Hodge (kth31F-3). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31F. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63808.

5046 KT Hodge (kth31F-4). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31F. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63808.

5047 KT Hodge (kth31F-5). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31F. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63808.

5048 KT Hodge (kth31F-6). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31F. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63808.

5049 KT Hodge (kth31F-7). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31F. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63808.

5050 KT Hodge (kth31F-8). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31F. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63808.

5051 KT Hodge (kth31F-9). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31F. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63808.

5052 KT Hodge (kth31F-10). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31F. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63808.

5053 KT Hodge (kth31G-1). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31G. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63809.

5054 KT Hodge (kth31G-2). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31G. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63809.

5055 KT Hodge (kth31G-3). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31G. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63809.

5056 KT Hodge (kth31G-4). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31G. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63809.

5057 KT Hodge (kth31G-5). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31G. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63809.

5058 KT Hodge (kth31G-6). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31G. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63809.

5059 KT Hodge (kth31G-7). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31G. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63809.

5060 KT Hodge (kth31G-8). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31G. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63809.

5061 KT Hodge (kth31G-9). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31G. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63809.

5062 KT Hodge (kth31G-10). Pupa, [Lepidoptera]. 16 Sep 1995. USA: Vanderkamp Center Grounds, Cleveland (Oneida County), New York. Single ascospore isolate from kth31G. Ascocarp deposited in Cornell Plant Pathology Herbarium as 63809.

5804 DJ Lodge. Rec'd 7 Aug 1998. USA: Big Tree Trail, Puerto Rico. Ascospore culture from specimen accessioned as PR-4894.

6248 [RCEF 0095] Pupa, [Lepidoptera]. 27 Jul 1997. PR China: Anhui. Chains of conidia with Mariannaea-like orientation but not sliming down to Lecanicillium state as normally expected.

7809 [SRCAMB B-79] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-165.

7810 [SRCAMB B-90] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma. 6 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-168.

8011 BC King (CmE). Spring 2003. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AB027379 (100%) LSU. **RESTRICTED ACCESS:** *consult Curator*.

8012 BC King (CmN). Larva, [Lepidoptera]. Spring 2003. USA: Allegheny National Forest, Pennsylvania. **RESTRICTED ACCESS:** *consult Curator*.

9484 [SRCAMB VL-1983] V Likhovidov. Pupa, [Lepidoptera] Isolated from stroma. 12 Aug 2005. Russian Federation: Moscow Region. Field Collection Number F-854.

Cordyceps ochraceostromata Kobayasi & Shimizu
[Sordariomycetes: Hypocreales]
Cordycipitaceae

5691 JM Sung (KEFC-535). Larva, Phylum Arthropoda, Class Insecta. Summer 1995. Republic of Korea: Chiag Mt., Kangwon-do.

Cordyceps pruinosa Petch
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Anamorph: *Mariannaea pruinosa* ZQ Liang

5693 JM Sung (KEFC-628). Pupa, Phylum Arthropoda, Class Insecta. 17 Aug 1995. Republic of Korea: Won-Pyung Ri, Chuncheon, Kangwon-do.

7221 [SRCAMB B-297] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma. 8 Jul 2003. Russian Federation: Vladivostok District, Primorsky Krai. Field Collection Number F-324.

Cordyceps pseudoinsignis Cooke & Ravanel
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7222 [SRCAMB B-247] V Likhovidov ← BA Borisov. Larva, Phylum Arthropoda, Class Insecta Isolated

from stroma of *Cordyceps* sp. 14 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-308.

Cordyceps roseostromata Kobayasi & Shimizu
[Sordariomycetes: Hypocreales]
Cordycipitaceae

4870 JM Sung (C-228). Larva, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.

4871 JM Sung (C-234). Pupa, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.

4872 JM Sung (C-237). Pupa, Host not specified. 14 Aug 1993. Republic of Korea: Chiag Mt., Kangwon-do.

Cordyceps scarabaeicola Kobayasi
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Anamorph: *Beauveria*

7277 JM Sung (EFCC 2533). [Coleoptera: Chrysomelidae]. 6 Aug 1998. Nepal.

7278 JM Sung (EFCC 2535). [Coleoptera: Chrysomelidae]. 6 Aug 1998. Nepal.

Cordyceps spegazzinii Torres, Bischoff & White
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7850 JF Bischoff (JB211) and JF White Jr. Aug 2003. Panama: Barro Colorado Island.

Cordyceps staphylinidaecola Kobayasi & Shimizu
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Anamorph: *Beauveria*

5718 [ARSEF 6719] JM Sung (KEFC-783). Larva, Phylum Arthropoda, Class Insecta. 16 Sep 1995. Republic of Korea: Mt. Samak, Chuncheon, Kangwon-do. **RESTRICTED ACCESS:** *contact Curator*.

6719 [ARSEF 5718] JM Sung (KEFC-783). Larva, Phylum Arthropoda, Class Insecta. 16 Sep 1995. Republic of Korea: Mt. Samak, Chuncheon, Kangwon-do. **RESTRICTED ACCESS:** *contact Curator*.

6720 JM Sung (KEFC-2899). 12 May 1999. Republic of Korea: Department of Environmental Biology, Kangwon National University, Chuncheon, Kangwon-do. Reisolation from stroma of KEFC-783 produced in culture. **RESTRICTED ACCESS:** *contact Curator*.

Crypticola clavulifera Humber, Frances & Sweeney in Frances, Sweeney & Humber
[Peronosporomycetes: Myzocytiopsidales]
Crypticolaceae

1940 [ARSEF ?2529; ATCC 76239] SP Frances and AW Sweeney. Larva, *Forcipomyia marksae* [Diptera: Ceratopogonidae] breeding in the leaf axils of *Taro* sp. 8 Jun 1985. Australia: Millaa Millaa, Queensland.

Culicinomyces bisporalis Sigler, Frances & Panter
[Sordariomycetes: Hypocreales]

1948 [UAMH 5174] SP Frances (MM1) and AW Sweeney. Larva, *Aedes kochi* [Diptera: Culicidae] breeding in leaf axils. 4 Jun 1984. Australia: Millaa Millaa, Queensland.

1949 [UAMH 5175] SP Frances (MM2) and AW Sweeney. Larva, *Aedes kochi* [Diptera: Culicidae] breeding in leaf axils. 8 Jun 1985. Australia: Millaa Millaa, Queensland. **RESTRICTED ACCESS:** *consult Curator*.

Culicinomyces clavisporus Couch, Romney & Rao
[Sordariomycetes: Hypocreales]

372 [UAMH 4848] JN Couch. *Anopheles quadrimaculatus* [Diptera: Culicidae]. Rec'd 1979. USA: University Lake, Chapel Hill, North Carolina.

582 [UAMH 4849] LS Olive (single spore isolate #1) ← SV Romney. *Anopheles quadrimaculatus* [Diptera: Culicidae]. Rec'd 10 Apr 1981. USA: University Lake, Chapel Hill, North Carolina.

583 [UAMH 4869] LS Olive (single spore isolate #2) ← SV Romney. *Anopheles quadrimaculatus* [Diptera: Culicidae]. Rec'd 10 Apr 1981. USA: University Lake, Chapel Hill, North Carolina.

584 [UAMH 4850] LS Olive (single spore isolate #3) ← SV Romney. *Anopheles quadrimaculatus* [Diptera: Culicidae]. Rec'd 10 Apr 1981. USA: University Lake, Chapel Hill, North Carolina.

585 LS Olive (single spore isolate #4) ← SV Romney. *Anopheles quadrimaculatus* [Diptera: Culicidae]. Rec'd 10 Apr 1981. USA: University Lake, Chapel Hill, North Carolina.

644 [ARSEF 541 (lost)] AW Sweeney (298A). Larva, *Anopheles amictus hilli* [Diptera: Culicidae]. Rec'd 13 Oct 1981. Australia: Sydney, New South Wales.

645 AW Sweeney (298B). Larva, *Anopheles amictus hilli* [Diptera: Culicidae]. Rec'd 13 Aug 1981. Australia: Sydney, New South Wales.

706 [UAMH 4851] AL Knight. Larva, [Diptera: Culicidae]. Rec'd Feb 1982. USA: North Carolina.

964 [ATCC 52635; CBS 755.83; IMI 280342] UAMH (4618) ← MS Goettel (FI-59). Larva, *Culiseta inornata* [Diptera: Culicidae]. 12 Aug 1982. Canada: pond, N of Devon, Alberta.

1260 UAMH (4854) ← MS Goettel (25B). Larva, *Culiseta inornata* [Diptera: Culicidae]. Acc'd 3 May 1984. Laboratory manipulation.

2471 SP Frances (MI2). Larva, *Aedes rupestris* [Diptera: Culicidae]. 8 Dec 1981. Australia: Mittagong, New South Wales.

2472 SP Frances (MI4). Larva, *Aedes rupestris* [Diptera: Culicidae]. 5 Jan 1982. Australia: Mittagong, New South Wales.

2473 SP Frances (MI5). Larva, *Aedes rupestris* [Diptera: Culicidae]. 12 May 1982. Australia: Mittagong, New South Wales.

2474 SP Frances (MI7). Larva, *Aedes rupestris* [Diptera: Culicidae]. 19 May 1982. Australia: Mittagong, New South Wales.

2475 SP Frances (MI11). Larva, *Aedes rupestris* [Diptera: Culicidae]. 9 Jun 1982. Australia: Mittagong, New South Wales.

2476 SP Frances (MI17). Larva, *Aedes rupestris* [Diptera: Culicidae]. 18 Aug 1982. Australia: Mittagong, New South Wales.

2477 SP Frances (MI19). Larva, *Aedes rupestris* [Diptera: Culicidae]. 6 Apr 1983. Australia: Mittagong, New South Wales.

2478 SP Frances (MI21). Larva, *Dasyhelea* sp. [Diptera: Ceratopogonidae]. 27 Apr 1983. Australia: Mittagong, New South Wales.

2479 SP Frances (VI1). Larva, *Culiseta inconspicua* [Diptera: Culicidae]. 6 Dec 1984. Australia: Mallacoota, Victoria.

2480 SP Frances (QI1) ← DW Roberts and AW Sweeney. Larva, *Forcipomyia marksae* [Diptera: Ceratopogonidae]. 16 Aug 1985. Australia: Millaa Millaa, Queensland.

2481 SP Frances (QI2). Larva, *Forcipomyia marksae* [Diptera: Ceratopogonidae]. 30 Oct 1985. Australia: Millaa Millaa, Queensland.

2482 UAMH (4854) ← MS Goettel (25B). *Culiseta inornata* [Diptera: Culicidae]. Acc'd 19 Nov 1987. Laboratory manipulation.

2526 SP Frances (MI14). Rec'd 26 Oct 1987. Location not specified.

2527 SP Frances (MI16). Rec'd 26 Oct 1987. Location not specified.

2622 MS Goettel ← SP Frances (MI26) and AW Sweeney. [Diptera: Culicidae]. Acc'd 20 Oct 1988. Australia.

***Curvularia* sp.**
[Dothideomycetes: Pleosporales]
Pleosporaceae

6367 Adult, female, *Zulia carbonaria* [Homoptera: Cercopidae]. 28 Jun 1998. Colombia: Santander de Quilichao, Cauca.

***Cylindrocarpon* sp.**
[Sordariomycetes: Hypocreales]
Nectriaceae

5758 BL Parker (SPT 035). *Aelia* sp. [Hemiptera: Pentatomidae]. 16 Jan 1998. Turkey: Graek, Kalayak, Elbistan, Kahraman Maras.

8043 E Herrera Navarro (V3 - Aphid). *Diatraea saccharalis* [Lepidoptera: Pyralidae] isolate passed through *Brevicoryne brassicae* [Homoptera: Aphididae]. Rec'd 24 May 2006. Mexico: Tecomán, Colima.

8044 E Herrera Navarro (V3 - Leps). *Diatraea saccharalis* [Lepidoptera: Pyralidae] isolate passed through *Helicoverpa zea* [Lepidoptera: Noctuidae]. Rec'd 24 May 2006. Mexico: Tecomán, Colima.

Dactylaria brochopaga Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

5662 SL Glockling. Phylum Nemata from rabbit dung. 1 Sep 1995. Japan: Amami Islands.

Dactylaria candida (Nees) Saccardo
[Orbiliomycetes: Orbiliales]
Orbiliaceae

5588 SL Glockling (K1). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

***Dactylella* sp.**
[Orbiliomycetes: Orbiliales]
Orbiliaceae

6372 Adult, male, *Aeneolamia varia* [Homoptera: Cercopidae]. 2 Jul 1999. Colombia: Farm of C.I. La Libertad, Villavicencio, Meta.

Dactylella aphrobrocha Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

5589 SL Glockling (16). Phylum Nemata from soil. 14 Mar 1996. Japan: Chiba, Chiba Prefecture.

Dactylella doedycoides Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

5661 SL Glockling. Phylum Nemata from horse manure. 11 Nov 1997. United Kingdom.

Dactylella heterospora Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

5660 SL Glockling. Phylum Nemata from cow manure. 11 Nov 1997. United Kingdom.

Dactylella leptospora Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

5590 SL Glockling (LD2). Phylum Nemata from soil and vegetation. 13 Feb 1997. Japan: Ibaraki, Ibaraki Prefecture.

Dactylella oxyspora (Saccardo & Marchal) Matsushima
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4801 [CBS 497.92] A Rubner (AR 922). From soil. Mar 1992. USA: California.

***Doratomyces(?)* sp.**
[Sordariomycetes: Microascales]
Microascaceae

9367 [ERL 1667] S Gouli and V Gouli (HWA-G-20). *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

Drechmeria coniospora (Drechsler) Gams & Jansson
[Sordariomycetes: Hypocreales]

2468 [CBS 615.82] BM Zuckerman ← HB Jansson. Phylum Nemata, Class Secernentea. Rec'd 12 Nov 1987. Sweden. **RESTRICTED ACCESS:** *consult Curator*.

3346 P Timper ← BA Jaffee (M-19) ← R Mankau. Phylum Nemata, Class Secernentea. Rec'd 19 Jun 1991. USA: California. **RESTRICTED ACCESS:** *consult Curator*.

3354 P Timper (C1). Phylum Nemata, Class Secernentea. Mar 1991. USA: Minns Garden, Cornell University, Ithaca, New York. **RESTRICTED ACCESS:** *consult Curator*.

5591 SL Glockling (CS1). Phylum Nemata from cow manure. 10 Aug 1997. United Kingdom: N.E. England.

5592 SL Glockling (A4). Phylum Nemata from rabbit dung. 1 Sep 1995. Japan: Amami Islands.

5739 [ARSEF 2468] Rec'd 23 Jun 1998.

6962 JE Williams (1). 18 Dec 2001. Plant Protection Research Unit laboratory reisolation of ARSEF 2468.

6963 JE Williams (2). 18 Dec 2001.

6964 18 Dec 2001.

6965 18 Dec 2001.

6966 18 Dec 2001.

Drechslerella dactyloides (Drechsler) Scholler, Hagedorn & Rubner
[Orbiliomycetes: Orbiliales]
Orbiliaceae. Synonym: *Arthrobotrys dactyloides* Drechsler

2934 [ARSEF 3353 (deaccessioned)] BA Jaffee (Ad3). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. Sep 1989. USA: sugar beet field # 3, Solano County, California.

3371 KT Hodge ← P John (RhΔ). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.

3372 KT Hodge ← P John (Rh2). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.

3373 KT Hodge ← P John (74☺). Phylum Nemata, Class Secernentea in soil sample. 21 Jul 1991. USA: Herb Garden, Cornell Plantations, Ithaca, New York.

3733 BA Jaffee (CR106). Rec'd 1 Jun 1992. USA: Merced County, California.

4955 N Viaene (3). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae] soil. 25 Sep 1992. USA: Dutch Ridge Road, Oswego, New York.

5433 BA Jaffee (CR157). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. Rec'd 5 May 1997. USA: Sustainable Agriculture Farming Systems Project at UC Davis, Yolo County, California.

5586 SL Glockling (LD2). Phylum Nemata from soil. 14 Mar 1996. Japan: Chiba, Chiba Prefecture.

5587 SL Glockling (CS3a). Phylum Nemata from soil and vegetation. 13 Feb 1997. Japan: Ibaraki, Ibaraki Prefecture.

Duddingtonia flagrans (Duddington) RC Cooke
[Orbiliomycetes: Orbiliales]
Orbiliaceae

5701 BA Jaffee (AN171). From garden compost. Nov 1997. USA: Davis, Yolo County, California.

Elaphocordyceps capitata (Holmskjold) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps capitata* (Holmskjold : Fries) Link

8009 BC King (Cc). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. Oct 2004. USA: near Breitenbush Hot Springs, Detroit, Oregon. GenBank match - AY489721 (99.28%) LSU. **RESTRICTED ACCESS:** *consult Curator*.

Elaphocordyceps ophioglossoides (Ehrhart : Fries) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps ophioglossoides* (Ehrhart : Fries) Link. Anamorph: *Verticillium* sp. This species has not produced stromata, perithecia, or ascospores in culture. Vegetative hyphae and conidia are all that have been observed with standard culture media and routine physical conditions of incubation in the laboratory and/or incubator.

4826 KT Hodge (kth29a). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

4827 KT Hodge (kth29b). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

4828 KT Hodge (kth29c). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

4829 KT Hodge (kth29d). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

4830 KT Hodge (kth29e). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

4831 KT Hodge (kth29f). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

4832 KT Hodge (kth29g). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

4833 KT Hodge (kth29h). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

4834 KT Hodge (kth29i). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

4835 KT Hodge (kth29j). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

4836 KT Hodge (kth29k). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

4837 KT Hodge (kth29l). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate. Specimen accessioned as CUP 63497. Mycoparasite.

8013 BC King (Co). *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. Fall 2004. Canada: Campbell River, British Columbia. GenBank match - AJ309360 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

9485 [SRCAMB VL-2127] V Likhovidov. *Elaphomyces* sp. [Eurotiales: Elaphomycetaceae]. 25 Aug 2006. Russian Federation: Tver Region. Field Collection Number F-147.

Engyodontium album (Limber) de Hoog
[Hyphomycetes]

6002 KT Hodge. [Araneida: ?Pholcidae]. 7 Dec 1998. USA: house basement, 9754 Savercool Road, Trumansburg, New York.

7712 [SRCAMB VL-70/E] V Likhovidov. [Araneida]. Oct 2001. Russian Federation: Serpukhov District, Moscow Region. Field Collection Number F-230.

7713 [SRCAMB B-229] V Likhovidov ← BA Borisov. Isolated from soil sample. 2001. Russian Federation: Kholm, Novgorod Region. Field Collection Number F-263.

9454 [SRCAMB VL-1508/1] V Likhovidov. [Araneida]. 9 Sep 2004. Russian Federation: Caucasus Mountains, Sochi District, Krasnodarsky Krai. Field Collection Number F-517.

Engyodontium aranearum (Cavara) W Gams, de Hoog, Samson & HC Evans
[Hyphomycetes]

2929 [MU 248] MA Vincent (2609). *Pholcus phalangoides* [Araneida: Pholcidae]. 6 Sep 1987. USA: moist basement, 6888 Burch Rd., Richland Twp. sect. 22, Darke County, Ohio.

2935 [MU 302] MA Vincent (3201). *Pholcus phalangoides* [Araneida: Pholcidae]. Jul 1989. USA: moist basement, 6888 Burch Rd., Richland Twp. sect. 22, Darke County, Ohio.

6441 KS Hansen. Phylum Arthropoda, Class Arachnida. 13 Feb 2000. USA: stone cellar, 578 Valley Road, Brooktondale, New York.

Engyodontium rectidentatum (Matsush.) W. Gams, de Hoog, Samson & H.C. Evans
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7805 [SRCAMB B-158] V Likhovidov ← BA Borisov. [Coleoptera: Scarabaeidae] Isolated from unripened stroma. 9 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-269.

***Engyodontium(?)* sp.**
[Sordariomycetes: Hypocreales]
Cordycipitaceae

9475 [SRCAMB VL-70/2S] V Likhovidov. [Araneida]. Oct 2001. Russian Federation: Serpukhov District, Moscow Region. Field Collection Number F-248.

9476 [SRCAMB VL-1687] V Likhovidov. [Homoptera: Psyllidae]. 19 Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-769.

***Entomophaga* sp.**
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

393 [FPMI 770] S Keller (114). Larva, [Lepidoptera]. Rec'd 27 May 1980. Switzerland.

1126 DW Roberts (020184-2A). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae]. 2 Jan 1984. Philippines: IRRI, Los Baños, Manila.

1230 [CNPAF 84-04-09-1B; CP 130] DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 9 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.

1881 DW Roberts (110485-2) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae] on cacao. 11 Apr 1985. Solomon Islands: nr. Honiara, Guadalcanal.

Entomophaga asiatica Humber, Soper & Shimazu in Humber (sp. nov., unpublished)
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.

1393 RS Soper (84627-6). [Orthoptera: Acrididae]. 27 Jun 1984. Japan: nr. Tsuruga, Fukui Prefecture.

1659 M Shimazu (F-457) and RS Soper. *Parapodisma* sp. [Orthoptera: Acrididae]. Jun 1984. Japan: Fukui Prefecture.

Entomophaga aulicae (Reichardt in Bail) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains will grow as wall-less protoplasts in liquid tissue culture media or as walled hyphae on solid culture media.

51 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 16 Jun 1975. USA: 12.4 mi from Rt. 11/159 in Patten, Shin Pond, Maine.

164 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1977. USA: forest-lower, nr. Carroll, Maine.

165 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. Jul 1977. USA: Sherman, Maine.

166 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 14 Jul 1977. USA: forest-lower, nr. Carroll, Maine.

167 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 14 Jul 1977. USA: forest-upper, nr. Carroll, Maine.

168 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 14 Jul 1977. USA: forest-upper, nr. Carroll, Maine.

172 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. Jul 1977. USA: forest-lower, Shin Pond, Maine.

198 [ARSEF ?998; FPMI 707] RG Kenneth (3136) ← J Aoki. *Aedia leucomelas* [Lepidoptera: Noctuidae] on *Ipomea batatas* (sweet potato). 29 Oct 1976. Japan: Fuchu, Tokyo Prefecture.

251 JG Hamm. *?Heliothis* sp. [Lepidoptera: Noctuidae] on sorghum. Rec'd Sep 1978. USA: GA Coastal Plain Experiment Station, Tifton, Georgia.

998 [ARSEF ?198] J Aoki (Ent. 14) ← A Ohkawa. *Aedia leucomelas* [Lepidoptera: Noctuidae]. Oct 1976. Japan: Fuchu, Tokyo Prefecture.

1140 [ARSEF 1656] M Shimazu (F-339). [Lepidoptera]. 8 Apr 1982. Japan: Ibaraki Prefecture.

1655 [ARSEF 1142 (lost); CSIRO EM693] M Shimazu (F-343). *Dendrolimus spectabilis* [Lepidoptera: Lasiocampidae]. Rec'd Oct 1984. Japan: Ibaraki Prefecture.

1656 [ARSEF 1140] M Shimazu (F-339). [Lepidoptera]. Rec'd Oct 1984. Japan: Ibaraki Prefecture.

1657 [CSIRO EM690] M Shimazu (F-327). *Mamestra brassicae* [Lepidoptera: Noctuidae]. Acc'd 19 Oct 1984. Japan: Ibaraki Prefecture.

1751 J Mitsuhashi (Emb-1). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 29 Oct 1984. Japan: Ibaraki Prefecture.

1990 FPMI (491). *Lambdina fiscellaria lugubrosa* [Lepidoptera: Geometridae]. 16 Aug 1972. Canada: Coquitlam, British Columbia.

1991 FPMI (458). *Lambdina fiscellaria fiscellaria* [Lepidoptera: Geometridae]. 8 Sep 1970. Canada: Boots Brook, Newfoundland.

1992 FPMI (889). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 5 Jul 1985. Canada: Black Sturgeon, Ontario.

1993 FPMI (771). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 25 Jun 1984. Canada: Black Sturgeon, Ontario.

1994 FPMI (776). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 22 Jun 1984. Canada: Black Sturgeon, Ontario.

1995 FPMI (777). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 22 Jun 1984. Canada: Black Sturgeon, Ontario.

1997 FPMI (894). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 29 Jul 1985. Canada: Black Sturgeon, Ontario.

1998 FPMI (877). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 11 Sep 1979. Canada: Thessalon, Ontario.

1999 FPMI (576). *Pseudaletia* sp. [Lepidoptera: Noctuidae]. 18 Jul 1976. Canada: Sault Ste. Marie, Ontario.

2000 FPMI (513). *Enypia griseata* [Lepidoptera: Geometridae]. 1975. Canada: British Columbia.

2362 M Shimazu (F-554-4). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.

2363 M Shimazu (F-553-3). *Autographa gamma* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.

2365 M Shimazu (F-553-1). *Autographa gamma* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.

2366 M Shimazu (F-555). *Colias erate poliographus* [Lepidoptera: Pieridae]. 26 Sep 1986. Japan: Hokkaido Prefecture.

2367 M Shimazu (F-554-3). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.

2368 M Shimazu (F-554-2). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.

2369 M Shimazu (F-554-1). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 26 Sep 1986. Japan: Hokkaido Prefecture.

2372 M Shimazu (F-531). *Spilosoma niveum* [Lepidoptera: Arctiidae]. 14 May 1986. Japan: Chiyoda-mura, Ibaraki Prefecture.

2373 M Shimazu (F-530-2). *Spilosoma niveum* [Lepidoptera: Arctiidae]. 6 May 1986. Japan: Sakura-mura, Chiba Prefecture.

2374 M Shimazu (F-530-1). *Spilosoma niveum* [Lepidoptera: Arctiidae]. 6 May 1986. Japan: Sakura-mura, Chiba Prefecture.

2843 JC Silver ← A Sands. *Heterocampa guttivitta* [Lepidoptera: Notodontidae]. Aug 1989. USA: Wilmington, Vermont.

2896 FPMI (521). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 13 Jul 1973. Canada: Newfoundland.

2897 FPMI (626). *Dryocampa rubicunda* [Lepidoptera: Saturniidae]. 1973. Canada: Ontario.

2898 FPMI (646). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 27 Jul 1978. Canada: Newfoundland.

2899 FPMI (717). *Rheumaptera hastata* [Lepidoptera: Geometridae]. 16 Aug 1982. Canada: Gargantua, Ontario.

2900 FPMI (893). *Lambdina fiscellaria fiscellaria* [Lepidoptera: Geometridae]. 29 Jul 1983. Canada: Gander, Newfoundland.

2901 FPMI (934). *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 2 Jul 1986. Canada: Black Sturgeon, Ontario.

2902 FPMI (597). *Heterocampa* sp. [Lepidoptera: Notodontidae]. 2 Aug 1976. Canada: St. Joseph's Island, Ontario.

2903 FPMI (598). *Ellida caniplaga* [Lepidoptera: Notodontidae]. 10 Aug 1976. Canada: St. Joseph's Island, Ontario.

2904 FPMI (600). *Heterocampa guttivitta* [Lepidoptera: Notodontidae]. 22 Jul 1976. Canada: Hilton Beach, Ontario.

2905 FPMI (602). *Heterocampa biundata* [Lepidoptera: Notodontidae]. 14 Aug 1976. Canada: St. Joseph's Island, Ontario.

3016 MH Griggs. Larva, [Lepidoptera: Noctuidae]. 9 Jul 1990. USA: Game Farm Rd., Ithaca, New York.

3039 AE Hajek. *Heterocampa guttivitta* [Lepidoptera: Notodontidae]. 3 Aug 1990. USA: Stamford, New York.

3212 AE Hajek. *Heterocampa guttivitta* [Lepidoptera: Notodontidae]. 3 Aug 1990. USA: Stamford, New York. Resting spores from ARSEF 3039.

3602 AE Hajek. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 10 Jun 1991. USA: McGowan Woods, Ithaca, New York. Resting spores.

4004 [AE Hajek A-OV] Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] Lupinus arboreus. Rec'd 12 Aug 1993. USA: Bodega Bay, California.

4005 [AE Hajek] Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] Lupinus arboreus. Rec'd 12 Aug 1993. USA: Bodega Bay, California.

4006 [AE Hajek] Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] Lupinus arboreus. Rec'd 12 Aug 1993. USA: Bodega Bay, California.

4007 AE Hajek. Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] Lupinus arboreus. Rec'd 12 Aug 1993. USA: Bodega Bay, California.

4008 AE Hajek (D-OV). Larva, *Orgyia vetusta* [Lepidoptera: Lymantriidae] Lupinis arborevs. Rec'd 17 Aug 1993. USA: Bodega Bay, California.

7140 AE Hajek (03 ME 1-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: Coastal Studies Center, Orrs Island, Maine.

7141 AE Hajek (03 ME 2-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: 601 Merriman Point, Harpswell Neck, Maine.

7142 AE Hajek (03 ME 3-1-2). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: Yarmouth, Maine.

7143 AE Hajek (03 ME 4-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: Old Ledge School, Yarmouth, Maine.

7144 AE Hajek (03 ME 5-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: Windy Hill, Bailey Island, Maine.

7145 AE Hajek (03 ME 6-1-1). *Euproctis chrysorrhoea* [Lepidoptera: Lymantriidae]. 16 Jun 2003. USA: CCI CV, Bailey Island, Maine.

Entomophaga australiensis Humber (sp. nov., unpublished)
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

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328 [FPMI 767] RS Soper (P-38). *Cicadella* sp. [Homoptera: Cicadellidae] on rice. Feb 1979. Australia: Arriga, Queensland.

331 [ARSEF 332 (lost)] RS Soper ← K Chandler. *Cicadetta puer* [Homoptera: Cicadidae] on sugar cane. 14 Feb 1979. Australia: Cairns, Queensland.

365 RS Soper. *Cicadetta puer* [Homoptera: Cicadidae]. 13 Feb 1979. Australia: Cairns, Queensland.

581 RS Soper (81223-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 23 Feb 1981. Indonesia: Bangun Village, Kecamatan Tanjung, Deliserdang District, Sumatera Utara, Sumatra.

743 [CNPAF 82-3-10-04; CP 33] RS Soper. [Homoptera: Cicadellidae]. 10 Mar 1982. Brazil: CNPAF, Goiânia, Goiás.

791 [CNPAF 82-5-7-3D-1; CP 44] RA Daoust and DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 7 May 1982. Brazil: 4 km from Goianinha, Rio Grande do Norte.

1888 RS Soper. Reisolate of ARSEF 743. 10 May 1982. Brazil: CNPAF, Goiânia, Goiás.

1920 P Taylor. Reisolate of ARSEF 331 passed through *Sogatodes oryzicola* [Homoptera: Delphacidae]. Jul 1985. Laboratory manipulation.

Entomophaga calopteni (Bessey) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.

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383 RA Humber ← DM MacLeod. *Melanoplus flavidus* [Orthoptera: Acrididae]. 3 Aug 1979. USA: Sheridan, Wyoming.

390 RA Humber ← RS Soper. *Melanoplus bivittatus* [Orthoptera: Acrididae]. 3 Aug 1979. USA: Sheridan, Wyoming.

408 RA Humber. *Melanoplus bivittatus* [Orthoptera: Acrididae]. 2 Aug 1979. USA: Broadus, Montana.

497 RA Humber and BJ Martinell. *Melanoplus bivittatus* [Orthoptera: Acrididae]. 27 Jun 1979. USA: Salt Water Canyon, Eagar, Arizona.

498 RA Humber and BJ Martinell. *Melanoplus bivittatus* [Orthoptera: Acrididae]. 5 Jul 1980. USA: White River, South Dakota.

500 RA Humber and BJ Martinell. *Melanoplus bivittatus* [Orthoptera: Acrididae] resting spore isolate passed through *Locusta migratoria* [Orthoptera: Acrididae]. Summer 1980. Laboratory manipulation.

623 BJ Martinell (004B(M. cun haem)). *Melanoplus cuneatus* [Orthoptera: Acrididae]. 18 Jun 1981. USA: Southwater Canyon, Arizona.

625 BJ Martinell (014B). *Melanoplus packardii* [Orthoptera: Acrididae]. 1 Jul 1981. USA: alfalfa field, Eagar, Arizona.

626 BJ Martinell (004A(M. cun femur)). *Melanoplus cuneatus* [Orthoptera: Acrididae]. 18 Jun 1981. USA: Southwater Canyon, Arizona.

646 BJ Martinell. *Melanoplus cuneatus* [Orthoptera: Acrididae]. 1 Jul 1981. USA: Eagar, Arizona.

2522 DG Holdom ← WA Ramoska. *Melanoplus differentialis* [Orthoptera: Acrididae]. Acc'd 8 Dec 1987. USA: Kansas.

Entomophaga conglomerata (Sorokin) S Keller
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

2273 EL Cuebas-Incle (II). Adult, [Diptera: Chironomidae]. 25 Sep 1986. USA: Michigan Hollow, Danby, New York.

Entomophaga macleodii Humber (sp. nov., unpublished)
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.

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375 [FPMI 647] DM MacLeod. *Dissosteira carolina* [Orthoptera: Acrididae]. 20 Apr 1989. Canada: nr. river bank, Iron Bridge, Ontario.

376 [FPMI 625] DM MacLeod. *Dissosteira carolina* [Orthoptera: Acrididae]. 21 Jul 1977. Canada: nr. river bank, Iron Bridge, Ontario.

382 RS Soper. *Dissosteira carolina* [Orthoptera: Acrididae]. Aug 1979. USA: 12 Redwood Lane, Ithaca, New York.

496 RA Humber and BJ Martinell. *Camnula pellucida* [Orthoptera: Acrididae]. 28 Jun 1980. USA: Rodeo fairground, Alpine, Arizona.

499 RA Humber, BJ Martinell and RS Soper. *Dissosteira carolina* [Orthoptera: Acrididae]. 17 Jul 1980. USA: Ithaca, New York.

618 BJ Martinell (003(Rodeo)). *Camnula pellucida* [Orthoptera: Acrididae]. 16 Jun 1981. USA: Rodeo fairground, Alpine, Arizona.

619 BJ Martinell (001(FSA)). *Camnula pellucida* [Orthoptera: Acrididae]. 16 Jun 1981. USA: Forest Service plot A, Alpine, Arizona.

620 BJ Martinell (006(Judd B proto)). *Camnula pellucida* [Orthoptera: Acrididae]. 27 Jun 1981. USA: Judd Dam plot B, nr. Alpine, Arizona.

621 BJ Martinell (010(AlpineA)). *Camnula pellucida* [Orthoptera: Acrididae]. 29 Jun 1981. USA: Alpine plot A, Alpine, Arizona.

624 BJ Martinell (011(JuddA)). *Camnula pellucida* [Orthoptera: Acrididae]. 29 Jun 1981. USA: Judd Dam plot A, nr. Alpine, Arizona.

628 BJ Martinell (008). *Camnula pellucida* [Orthoptera: Acrididae]. 27 Jun 1981. USA: Alpine plot B, Alpine, Arizona.

629 BJ Martinell (002). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jun 1981. USA: Forest Service plot B, Alpine, Arizona.

765 BJ Martinell (41). *Camnula pellucida* [Orthoptera: Acrididae]. 28 Jul 1982. USA: Judd Dam, nr. Alpine, Arizona.

767 BJ Martinell (1). *Camnula pellucida* [Orthoptera: Acrididae]. 18 Jul 1982. USA: Jepson's Ranch, Alpine, Arizona.

768 BJ Martinell (3). *Camnula pellucida* [Orthoptera: Acrididae]. 18 Jul 1982. USA: Rodeo fairground, Alpine, Arizona.

769 BJ Martinell (13). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: ELC Flat, nr. Alpine, Arizona.

770 BJ Martinell (20). *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. 23 Jul 1982. Laboratory manipulation.

771 BJ Martinell (21). *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. 23 Jul 1982. Laboratory manipulation.

772 BJ Martinell (12). *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus packardii* [Orthoptera: Acrididae]. 18 Jul 1982. Laboratory manipulation.

773 BJ Martinell (10). *Camnula pellucida* [Orthoptera: Acrididae]. 18 Jul 1982. USA: Rodeo fairground, Alpine, Arizona.

774 BJ Martinell (25). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: ELC Flat, nr. Alpine, Arizona.

775 BJ Martinell (11) and RS Soper. *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus packardii* [Orthoptera: Acrididae]. 18 Jul 1982. Laboratory manipulation.

776 BJ Martinell (8) and RS Soper. *Camnula pellucida* [Orthoptera: Acrididae] isolate passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. 18 Jul 1982. Laboratory manipulation.

777 BJ Martinell (28). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: Judd Dam, nr. Alpine, Arizona.

778 BJ Martinell (23). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: ELC Flat, nr. Alpine, Arizona.

779 BJ Martinell (22). *Camnula pellucida* [Orthoptera: Acrididae]. 23 Jul 1982. USA: ELC flats, nr. Alpine, Arizona.

3077 L Postie (Reisolate 1). Reisolate of ARSEF 768 passed through *Camnula pellucida* [Orthoptera: Acrididae]. Apr 1990. Laboratory manipulation.

3078 L Postie (Reisolate 2). Reisolate of ARSEF 768 passed through *Camnula pellucida* [Orthoptera: Acrididae]. Apr 1990. Laboratory manipulation.

3079 L Postie (Reisolate 3). Reisolate of ARSEF 3078 passed through *Camnula pellucida* [Orthoptera: Acrididae]. 6 Aug 1990. Laboratory manipulation.

4948 JA Correa (I) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.

4949 JA Correa (II) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.

4950 JA Correa (III) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.

4951 JA Correa (IV) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. Rec'd 9 Aug 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon.

4952 JA Correa (V) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.

4953 JA Correa (VI) ← S Sanchez-Peña. *Camnula pellucida* [Orthoptera: Acrididae]. 26 Jun 1995. USA: Klamath National Wildlife Refuge, Klamath County, Oregon. 1) Reisolate of ARSEF 770.

Entomophaga maimaiga Humber, Shimazu & Soper in Soper, Shimazu, Humber, Ramos & Hajek [Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. Strains will grow as wall-less protoplasts in liquid tissue culture media or as walled hyphae on solid culture media.

1390 RS Soper (84626-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Torigoe, Ishikawa Prefecture.

1391 [FPMI 963] RS Soper (84626-7-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Torigoe, Ishikawa Prefecture.

1392 [FPMI 964] RS Soper (84626-7-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Torigoe, Ishikawa Prefecture.

1400 [FPMI 952] RS Soper (84626-7). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Torigoe, Ishikawa Prefecture.

1658 M Shimazu (F-446). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 26 Jun 1984. Japan: Ishikawa Prefecture.

1746 M Shimazu. Reisolate of ARSEF 1400 passed through *Lymantria dispar* [Lepidoptera: Lymantriidae]. 28 Nov 1984. Laboratory manipulation.

2370 M Shimazu (F-541-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jul 1986. Japan: Sakuramura, Chiba Prefecture.

2371 M Shimazu (F-541-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jul 1986. Japan: Sakuramura, Chiba Prefecture.

2661 AE Hajek. Reisolate of ARSEF 1400 passed through *Lymantria dispar* [Lepidoptera: Lymantriidae]. 23 Oct 1988. Laboratory manipulation.

2775 AE Hajek (CTIV-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 21 Jun 1989. USA: Wilton, Connecticut.

2779 AE Hajek. *Lymantria dispar* [Lepidoptera: Lymantriidae]. 25 Jun 1989. USA: Northampton, Massachusetts.

2780 AE Hajek. *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jul 1989. USA: North Conway, New Hampshire.

3052 AE Hajek (L1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1990. USA: Ward Pound Ridge Reservation, Westchester County, New York.

3053 AE Hajek (L3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1990. USA: Ward Pound Ridge Reservation, Westchester County, New York.

3110 AE Hajek. Reisolate of ARSEF 1400 passed through *Lymantria dispar* [Lepidoptera: Lymantriidae]. 6 Feb 1989. Laboratory manipulation.

3762 AE Hajek ← JC Silver. Rec'd 10 Jul 1992. Location not specified.

3828 AE Hajek (001-TA). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] Quercus rubra. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.

3829 AE Hajek (001-TB). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] Quercus rubra. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.

3830 AE Hajek (001-TC). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] Quercus rubra. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.

3831 AE Hajek (001-TD). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] Quercus rubra. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.

3832 AE Hajek (001-TE). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] Quercus rubra. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.

3833 AE Hajek (001-TF). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] Quercus rubra. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.

3834 AE Hajek (001-TG). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] Quercus rubra. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.

3835 AE Hajek (001-TH). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] Quercus rubra. 26 Jun 1992. USA: Tower Rd., Ithaca, New York.

3880 S Walsh (3762T23) ← ARSEF (3762). Rec'd 19 Feb 1993. Laboratory manipulation. Culture maintained for genetic variance studies.

3887 S Walsh (Hr 56). Rec'd 19 Feb 1993. Culture maintained for genetic variability.

3913 M Welton (FPMI 992). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 8 Jun 1992. Canada: Kingston, Ontario region, Adolphostown Twp, Ontario.

4504 AE Hajek (Ci-1) ← S Talley. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 May 1994. USA: George Washington National Park, Rockbridge County, Virginia. Fungus collected from Catocala ilia. L. dispar died 5 days after conidial shower, then produced conidia. Fungus isolated from L. dispar.

4505 AE Hajek (C.i.-2) ← S Talley. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 May 1994. USA: George Washington National Park, Rockbridge County, Virginia. Fungus collected from Catocala ilia. L. dispar died 5 days after conidial shower, then produced conidia. Fungus isolated from L. dispar.

4506 AE Hajek (C.i.-3) ← S Talley. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 May 1994. USA: George Washington National Forest, Rockbridge County, Virginia. Fungus collected from Catocala ilia. L. dispar died 5 days after conidial shower, then produced conidia. Fungus isolated from L. dispar.

4507 AE Hajek (C.i.-4) ← S Talley. Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 May 1994. USA: George Washington National Forest, Rockbridge County, Virginia. Fungus collected from Catocala ilia. L. dispar died 5 days after conidial shower, then produced conidia. Fungus isolated from L. dispar.

4508 AE Hajek (I.S.-1). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1994. USA: Irish Settlement Road; Yellow Barn Forest, Ithaca, New York.

4509 AE Hajek (I.S.-2). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1994. USA: Irish Settlement Road; Yellow Barn Forest, Ithaca, New York.

4510 AE Hajek (I.A.-3). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 May 1994. USA: Irish Settlement Road; Yellow Barn Forest, Ithaca, New York.

4545 AE Hajek (B-20MD#2). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 30 May 1994. Isolated through *Lymantria dispar* larvae.

4549 AE Hajek (I.S. 4) or (94 NY1-4A). *Lymantria dispar* [Lepidoptera: Lymantriidae] Soil sith resting spores. Rec'd 22 Aug 1994. USA: Irish Settlement Rd; Yellow Barn State Forest, Dryden, New York.

4550 AE Hajek (I.S. 5). *Lymantria dispar* [Lepidoptera: Lymantriidae] Soil sith resting spores. Rec'd 22 Aug 1994. USA: Irish Settlement Rd; Yellow Barn State Forest, Dryden, New York.

4551 AE Hajek (I.S. 6). *Lymantria dispar* [Lepidoptera: Lymantriidae] Soil sith resting spores. Rec'd 22 Aug 1994. USA: Irish Settlement Rd; Yellow Barn State Forest, Dryden, New York.

4552 AE Hajek (VA - A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 22 Aug 1994. USA: Union Springs, Rockingham County, Virginia.

4553 AE Hajek (VA - C). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 22 Aug 1994. USA: Little River, Rockingham County, Virginia.

4554 AE Hajek (VA - E). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 22 Aug 1994. USA: Big Mary's, Rockingham County, Virginia.

4555 AE Hajek (VA - F). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 22 Aug 1994. USA: Wiggins Springs, Rockingham County, Virginia.

5377 AE Hajek (96 MD A2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5378 AE Hajek (96 MD A2-2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5379 AE Hajek (96 MD B2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5380 AE Hajek (96 MD B2-2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5381 AE Hajek (96 MD B2-3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5382 AE Hajek (96 MD B2-4). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5383 AE Hajek (96 MD B2-5). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5384 AE Hajek (96 MD B2-6). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5385 AE Hajek (96 MD C2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5386 AE Hajek (96 MD D2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5387 AE Hajek (96 MD D2-2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5388 AE Hajek (96 MD E2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5389 AE Hajek (96 MD E2-2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5390 AE Hajek (96 MD F2-1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Sudlersville, Maryland.

5391 AE Hajek (96 NY B2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.

5392 AE Hajek (96 NY C2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.

5393 AE Hajek (96 NY C3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.

5394 AE Hajek (96 NY D1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.

5395 AE Hajek (96 NY D2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.

5396 AE Hajek (96 NY D3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.

5397 AE Hajek (96 NY E1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.

5398 AE Hajek (96 NY E2). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.

5399 AE Hajek (96 NY E3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.

5400 AE Hajek (96 NY F1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.

5401 AE Hajek (96 NY F3). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 10 Dec 1996. USA: Yellow Barn State Forest, Dryden, New York.

5563 AE Hajek (96MA1-1A). Rec'd 3 Nov 1997.

5564 AE Hajek (96MA1-1B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 9 May 1996. USA: Quabbin Reservoir, Franklin County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

5565 AE Hajek (92NJ1-1A). Rec'd 3 Nov 1997.

5566 AE Hajek (94VA2-2A). Rec'd 3 Nov 1997.

5567 AE Hajek (94VA2-2B). Rec'd 3 Nov 1997.

5568 AE Hajek (97VA10-1A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 1997. USA: Elliot Spring Run, Butler field plot 1, George Washington National Forest, Virginia. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

5569 AE Hajek (96VA9-1A). Rec'd 10 Nov 1997.

5570 AE Hajek (96VA9-1B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Dec 1996. USA: Archer Run, Deerfield Ranger District, Butler field plot 2, George Washington National Forest, Virginia. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.

5571 AE Hajek (97VA10-1B). Rec'd 10 Nov 1997.

5572 AE Hajek (92NJ1-1B). Rec'd 13 Nov 1997.

5711 AE Hajek (96MA1-1C). Rec'd 13 May 1998.

6004 AE Hajek (98 MA2-8A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6005 AE Hajek (98 MA2-14A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6006 AE Hajek (98MI1-2A). Rec'd 21 Jan 1999.

6007 AE Hajek (98MI1-2B). Rec'd 21 Jan 1999.

6051 AE Hajek (98MA2-4A). Rec'd 19 Feb 1999.

6052 AE Hajek (98MA2-4B). Rec'd 19 Feb 1999.

6053 AE Hajek (98MI1-1A). Rec'd 19 Feb 1999.

6054 AE Hajek (98MI1-1B). Rec'd 19 Feb 1999.

6105 AE Hajek (98MA2-6B). Rec'd 31 Mar 1999.

6106 AE Hajek (98MA2-8B). Rec'd 31 Mar 1999.

6161 AE Hajek (96 MD B2-4). Rec'd 12 May 1999.

6162 AE Hajek (98 JP2-9A). Rec'd 12 May 1999.

6163 AE Hajek (98 JP2-5B). Rec'd 12 May 1999.

6168 AE Hajek (94 WV1-1A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 1994. USA: Hawes Run, Pendleton County, West Virginia. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6169 AE Hajek (94 VA8-1A) or (VA-IVY). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 1994. USA: IVY Branch, Amherst County, Virginia. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6170 AE Hajek (99 WV2-2C). *Malacosoma americanum* [Lepidoptera: Lasiocampidae]. May 1999. Isolated from *Malacosoma disstria* exposed to sporulating cadaver.

6171 AE Hajek (98 JP3-5A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6172 AE Hajek (98 JP3-5B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6173 AE Hajek (99 WV2-2A). *Malacosoma americanum* [Lepidoptera: Lasiocampidae]. May 1999. Isolated from *Lymantria dispar* after passage through *Malacosoma disstria* exposed to sporulating cadaver of *M. americanum*.

6174 AE Hajek (99 WV2-2B). *Malacosoma americanum* [Lepidoptera: Lasiocampidae]. May 1999. Isolated from *Lymantria dispar* after passage through *Malacosoma disstria* exposed to sporulating cadaver of *M. americanum*.

6212 AE Hajek (98 JP2-5A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6218 AE Hajek (94 VA4-3A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 1994. USA: Mines Run, George Washington National Forest, Rockingham County, Virginia. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6223 AE Hajek (98 JP2-22B). Rec'd 25 Aug 1999.

6224 AE Hajek (98 JP2-10B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6253 AE Hajek (98 JP2-4A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6254 AE Hajek (98 JP2-10A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6255 AE Hajek (98 JP2-14A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6256 AE Hajek (98 JP2-14B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6257 AE Hajek (98 JP2-22A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6258 AE Hajek (98 JP3-8A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in labo-

ratory upon exposure to germinating resting spores in field-collected soil.

6264 AE Hajek (98 JP2-22B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6265 AE Hajek (98 JP3-8B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6266 AE Hajek (98 JP3-9A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6267 AE Hajek (98 JP2-21A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1 Sep 1998. Japan: Yamauchi, Chonan, Chiba Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6268 AE Hajek (98 JP3-9B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2 Sep 1998. Japan: Namiki, Tsukuba, Ibaraki Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6269 AE Hajek (98 MA2-2A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6270 AE Hajek (98 MA2-2B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6271 AE Hajek (98 MA2-6A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6272 AE Hajek (98 MA2-14B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1998. USA: The Notch, Hampshire County, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6523 AE Hajek (99 MI9-1A). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1999. USA: Site #9, Oceana County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6524 AE Hajek (99 MI9-2A). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 1999. USA: Site #9, Oceana County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6625 AE Hajek (00 NY 1-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jun 2000. USA: Yellow Barn State Forest, Dryden, New York. Host infected in laboratory upon exposure to field-collected sporulating cadaver of *L. dispar*.

6626 AE Hajek (00 MI 3-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 3, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6627 AE Hajek (00 MI 17-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 17, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6628 AE Hajek (00 MI 19-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 19, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6629 AE Hajek (00 MI 24-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 24, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6630 AE Hajek (00 MI 27-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 27, Kalkaska County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6652 AE Hajek (00 MI 2-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 2000. USA: Stand 2, Grand Traverse County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6653 AE Hajek (00 MI 4-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 14 Jun 2000. USA: Stand 4, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6654 AE Hajek (00 MI 18-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Jun 2000. USA: Stand 18, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6655 AE Hajek (00 MI 28-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 28, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6656 AE Hajek (00 MI 29-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 29, Roscommon County, Michigan. Host infected

in laboratory upon exposure to germinating resting spores in field-collected soil.

6657 AE Hajek (00 MI 33-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 2000. USA: Stand 33, Clare County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6663 AE Hajek (00 MI 2-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 2000. USA: Stand 2, Grand Traverse County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6664 AE Hajek (00 MI 3-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 14 Jun 2000. USA: Stand 3, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6665 AE Hajek (00 MI 3-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 14 Jun 2000. USA: Stand 3, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6666 AE Hajek (00 MI 12-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 2000. USA: Stand 12, Lake County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6667 AE Hajek (00 MI 12-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 2000. USA: Stand 12, Lake County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6668 AE Hajek (00 MI 12-2-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 2000. USA: Stand 12, Lake County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6724 AE Hajek (00 MI 3-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 14 Jun 2000. USA: Stand 3, Manistee County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6725 AE Hajek (00 MI 19-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Jun 2001. USA: Stand 19, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6726 AE Hajek (00 MI 24-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 2003. USA: Stand 24, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6727 AE Hajek (00 MI 27-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 2000. USA: Stand 27, Kalkaska County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6728 AE Hajek (00 MI 17-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Jun 2000. USA: Stand 17, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

6729 AE Hajek (00 MI 17-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Jun 2000. USA: Stand 17, Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7101 AE Hajek (99 MI 5-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1999. USA: Mason County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7102 AE Hajek (99 MI 27). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1999. USA: Kalkaska County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7103 AE Hajek (00 MI 29-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 29, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7104 AE Hajek (01 JP 4-11-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7105 AE Hajek (01 JP 4-12-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7106 AE Hajek (99 MI 28-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1999. USA: Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7107 AE Hajek (00 MI 28-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 28, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7108 AE Hajek (00 MI 28-1-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 28, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7109 AE Hajek (00 MI 29-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Jun 2000. USA: Stand 29, Roscommon County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7110 AE Hajek (00 MI 33-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 2000. USA: Stand 33, Clare County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7111 AE Hajek (00 MI 33-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 2000. USA: Stand 33, Clare County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7112 AE Hajek (01 JP 4-11-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7113 AE Hajek (01 JP 4-11-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7114 AE Hajek (01 JP 4-12-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7115 AE Hajek (99 MI 21). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 1999. USA: Newaygo County, Michigan. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7116 AE Hajek (01 JP 4-12-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 2001. Japan: Tmayama Village, Morioka City, Iwate Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7120 AE Hajek (03 PA 1-1-1A). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Metzer Trail, Lycoming County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7121 AE Hajek (03 PA 1-1-1B). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Metzer Trail, Lycoming County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7122 AE Hajek (03 PA 1-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Metzer Trail, Lycoming County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7123 AE Hajek (03 MA 3-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7124 AE Hajek (03 MA 3-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7125 AE Hajek (03 MA 3-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7126 AE Hajek (03 MA 3-2-3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7127 AE Hajek (03 RU 1-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 8 Jul 1999. Russian Federation: oak stand, Khabarovsk. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7131 AE Hajek (03 PA 2-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Route 54, north of Danville, Montour County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7132 AE Hajek (03 PA 3-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Klein Road, Montour County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7133 AE Hajek (03 PA 4-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Comfort Road, Montour County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7134 AE Hajek (03 PA 5-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Cold Run Road, Northumberland County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7135 AE Hajek (03 PA 6-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Route 890, north of Trevorton, Northumberland County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7136 AE Hajek (03 PA 7-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Southhampton Twp near town of Chaneysville, Bedford County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7137 AE Hajek (03 MA 3-2-4). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7138 AE Hajek (03 MA 3-2-5). *Lymantria dispar* [Lepidoptera: Lymantriidae]. Apr 2003. USA: Myles Standish State Forest, South Carver, Massachusetts. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7139 AE Hajek (02 CN 1-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 2002. PR China: Soil sample number MS5, Maoershan, Heilongjiang. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7183 AE Hajek (02 CN 1-2-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 2002. PR China: Soil sample number MS3, Maoershan, Heilongjiang. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7184 AE Hajek (02 CN 1-2-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 2002. PR China: Soil sample number MS3, Maoershan, Heilongjiang. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7185 AE Hajek (03 JP 5-1-1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7186 AE Hajek (03 JP 5-1-2). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7187 AE Hajek (03 JP 5-1-4). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7188 AE Hajek (03 JP 5-1-6). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7189 AE Hajek (03 JP 5-1-5). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 May 2003. Japan: Soil sample beneath tree number 1, Takehara, Hiroshima Prefecture. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7190 AE Hajek (03 PA 1-1-5). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Metzer Trail, Lycoming County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7352 AE Hajek (03 PA 5-1-5). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Cold Run Road, Northumberland County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

7353 AE Hajek (03 PA 6-1-4). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 16 Apr 2003. USA: Route 890, north of Trevorton, Northumberland County, Pennsylvania. Host infected in laboratory upon exposure to germinating resting spores in field-collected soil.

Entomophaga praxibuli Humber, Milner, & Soper (sp. nov., unpublished)
[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.

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840 RS Soper. *Praxibulus* sp. [Orthoptera: Acrididae]. 1983. Australia: Wanwibinda, New South Wales.

2721 ME Ramos. Reisolate of ARSEF 840 passed through *Camnula pellucida* [Orthoptera: Acrididae]. Spring 1989. Laboratory manipulation.

2963 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 7 Mar 1990. Laboratory manipulation.

2964 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 7 Mar 1990. Laboratory manipulation.

2965 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 7 Mar 1990. Laboratory manipulation.

2966 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 7 Mar 1990. Laboratory manipulation.

2967 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 14 Mar 1990. Laboratory manipulation.

2968 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 14 Mar 1990. Laboratory manipulation.

2969 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 14 Mar 1990. Laboratory manipulation.

2970 ME Ramos. *Praxibulus* sp. [Orthoptera: Acrididae] conidial isolate passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. 14 Mar 1990. Laboratory manipulation.

3058 ME Ramos. *Empoasca vitis* [Homoptera: Cicadellidae]. 10 Aug 1990. Laboratory manipulation. Reisolate of ARSEF 2964.

3059 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus differentialis* [Orthoptera: Acrididae]. 10 Aug 1990. Laboratory manipulation.

3060 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus infantilis* [Orthopera: Acrididae]. 10 Aug 1990. Laboratory manipulation.

3061 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus infantilis* [Orthopera: Acrididae]. 10 Aug 1990. Laboratory manipulation.

3068 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus infantilis* [Orthopera: Acrididae]. 10 Aug 1990. Laboratory manipulation.

3069 ME Ramos. Reisolate of ARSEF 2964 passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. 10 Aug 1990. Laboratory manipulation.

3356 ME Ramos (Cape). Reisolate of ARSEF 3059 passed through *Camnula pellucida* [Orthoptera: Acrididae]. Rec'd 10 Jul 1991. Laboratory manipulation.

3357 ME Ramos (Mesa). Reisolate of ARSEF 3059 passed through *Melanoplus sanguinipes* [Orthoptera: Acrididae]. Rec'd 10 Jul 1991. Laboratory manipulation.

3358 ME Ramos (Mebi). Reisolate of ARSEF 3059 passed through *Melanoplus bivittatus* [Orthoptera: Acrididae]. Rec'd 10 Jul 1991. Laboratory manipulation.

Entomophthora chromaphidis Burger & Swain
[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. This taxon has been segregated from *Entomophthora planchoniana* Cornu (see Humber & Feng, 1991, Mycotaxon 51:497-504). Strains should be incubated at temperatures ≤20°C.

1860 DG Holdom (UQE-2-2). *Acyrthosiphon kondoi* [Homoptera: Aphididae]. Jun 1981. Australia: Lockyer Valley, Queensland.

1862 DG Holdom (UQE-15). *Acyrthosiphon kondoi* [Homoptera: Aphididae]. Jan 1983. Australia: Lockyer Valley, Queensland.

1863 DG Holdom (UQE-21). *Acyrthosiphon kondoi* [Homoptera: Aphididae]. Jan 1983. Australia: Lockyer Valley, Queensland.

Entomophthora culicis (Braun) Fresenius
[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae

387 S Keller (55). [Diptera: Nematocera]. Rec'd 3 Oct 1979. Switzerland: Zürich.

5811 J Eilenberg (KVL 98-4). [Diptera: Chironomidae]. Aug 1997. Denmark: KVL garden, Copenhagen, Frederiksberg, Zealand.

Entomophthora muscae (Cohn) Fresenius
[Entomophthoromycotina: Entomophthorales]

Entomophthoraceae. This taxon is a partially resolved species complex (see Keller, 1984, Mitt. Schweiz. Entomol. Ges. 57: 131-132). Most strains are provided only as vegetative protoplasts in liquid tissue culture medium.

392 [ARSEF 466 (lost)] S Keller (39). [Diptera]. Rec'd 18 Oct 1979. Switzerland.

454 RA Humber ← JP Kramer. *Musca domestica* [Diptera: Muscidae]. Mar 1980. USA: laboratory colony, Ithaca, New York.

556 RA Humber. *Musca domestica* [Diptera: Muscidae]. 11 Mar 1981. USA: JP Kramer's laboratory colony, Cornell University, Ithaca, New York.

557 BJ Martinell. *Musca domestica* [Diptera: Muscidae]. 10 Mar 1981. USA: Boyce Thompson Institute, Ithaca, New York.

651 BJ Martinell ← DE McCabe. *Pollenia rudis* [Diptera: Calliphoridae]. 5 Nov 1981. USA: Keuka Park, New York.

707 RA Humber. *Delia platura* [Diptera: Anthomyiidae]. 20 Feb 1982. United Kingdom: N Wilding's greenhouse colony, Rothamsted Experimental Station, Hertfordshire, England.

803 JD Vandenberg. *Musca domestica* [Diptera: Muscidae]. Acc'd 7 Mar 1988. USA: 119 Middaugh Rd., Brooktondale, New York.

826 DC Steinkraus. [Diptera: Syrphidae]. 1982. USA: Ithaca, New York.

2014 RA Humber. *Musca domestica* [Diptera: Muscidae]. 10 Mar 1981. USA: JP Kramer's laboratory colony, Cornell University, Ithaca, New York.

2087 TJ Poprawski (0195). Adult, [Diptera: Anthomyiidae] in rapeseed field. Acc'd 19 Feb 1986. France: Béhoust, Yvelines.

2088 TJ Poprawski (0196). Adult, [Diptera: Anthomyiidae] in rapeseed field. Acc'd 19 Feb 1986. France: Béhoust, Yvelines.

2089 TJ Poprawski (0197). Adult, *Delia* sp. [Diptera: Anthomyiidae] in sunflower field. Acc'd 19 Feb 1986. France: Béhoust, Yvelines.

2172 BA Mullens. *Musca domestica* [Diptera: Muscidae]. Acc'd 30 May 1986. USA: Riverside, California.

2263 TJ Poprawski (8617). Adult, *Delia* sp. [Diptera: Anthomyiidae] on rapeseed. 16 Jun 1986. France: Béhoust, Yvelines.

2264 TJ Poprawski (8619). Adult, *Delia* sp. [Diptera: Anthomyiidae] on rapeseed. 16 Jun 1986. France: Béhoust, Yvelines.

2265 TJ Poprawski (8622). Adult, *Delia* sp. [Diptera: Anthomyiidae] on rapeseed. 19 Jun 1986. France: Béhoust, Yvelines.

2266 TJ Poprawski (8624). Adult, *Delia* sp. [Diptera: Anthomyiidae] on rapeseed. 19 Jun 1986. France: Béhoust, Yvelines.

2317 TJ Poprawski (8640). Adult, *Delia* sp. [Diptera: Anthomyiidae] on sugar beet. 14 Oct 1986. France: Béhoust, Yvelines.

2542 J Eilenberg (KVL 3) ← U Olesen. *Musca domestica* [Diptera: Muscidae]. Sep 1986. Denmark: Ribe, Filskov, Jutland.

2665 J Eilenberg (KVL 46). *Delia radicum* [Diptera: Anthomyiidae]. 14 Jun 1988. Denmark: Roskilde, Zealand.

2668 J Eilenberg (KVL 16). *Delia radicum* [Diptera: Anthomyiidae]. 25 Jul 1986. Denmark: Svanholm, Malmöhus.

2670 J Eilenberg (KVL 45). *Delia radicum* [Diptera: Anthomyiidae]. 14 Jun 1988. Denmark: Roskilde, Zealand.

2673 J Eilenberg (KVL 50). [Diptera: Syrphidae]. 2 Aug 1988. Denmark: Roskilde, Zealand.

2674 J Eilenberg (KVL 51). *Delia radicum* [Diptera: Anthomyiidae]. 28 Jul 1988. Denmark: Roskilde, Zealand.

2675 J Eilenberg (KVL 44). *Delia radicum* [Diptera: Anthomyiidae]. 14 Jun 1988. Denmark: Roskilde, Zealand.

2678 J Eilenberg (KVL 17). [Diptera: Anthomyiidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zeeland.

3074 RI Carruthers and SB Krasnoff. Adult, *Delia antiqua* [Diptera: Anthomyiidae]. 9 Oct 1990. USA: Prattsburg, New York.

5952 A Bruun Jensen (KVL 98-10). Adult, *Musca domestica* [Diptera: Muscidae]. 1 Sep 1998. Denmark: Dyssekilde, Hundested, Zealand.

5953 A Bruun Jensen (KVL 98-12). Adult, *Musca domestica* [Diptera: Muscidae]. 1 Sep 1998. Denmark: Dyssekilde, Hundested, Zealand.

5954 A Bruun Jensen (KVL 98-18). Adult, [Diptera: Muscidae]. 16 Aug 1998. Denmark: Amager, Zealand.

6121 A Bruun Jensen (KVL 99-1). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.

6122 A Bruun Jensen (KVL 99-2). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.

6123 A Bruun Jensen (KVL 99-3). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.

6124 A Bruun Jensen (KVL 99-5). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.

6125 A Bruun Jensen (KVL 99-6). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.

6126 A Bruun Jensen (KVL 99-7). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.

6127 A Bruun Jensen (KVL 99-8). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.

6128 A Bruun Jensen (KVL 99-9). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.

6129 A Bruun Jensen (KVL 99-10). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.

6130 A Bruun Jensen (KVL 99-11). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.

6131 A Bruun Jensen (KVL 99-12). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Sigerslevøster, Zealand.

6132 A Bruun Jensen (KVL 99-13). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.

6133 A Bruun Jensen (KVL 99-14). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.

6134 A Bruun Jensen (KVL 99-15). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.

6135 A Bruun Jensen (KVL 99-16). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.

6136 A Bruun Jensen (KVL 99-17). Adult, *Musca domestica* [Diptera: Muscidae]. Sep 1998. Denmark: Kirke Såby, Zealand.

6140 A Bruun Jensen (KVL 99-22). Adult, *Musca domestica* [Diptera: Muscidae]. 20 Aug 1996. Denmark: Skævinge, Zealand.

6141 A Bruun Jensen (KVL 99-23). Adult, *Musca domestica* [Diptera: Muscidae]. 20 Aug 1996. Denmark: Skævinge, Zealand.

6164 A Bruun Jensen (KVL 99-4). Adult, *Musca domestica* [Diptera: Muscidae]. 7 Oct 1998. Denmark: Nordtoftedal, Farum, Zealand.

6165 A Bruun Jensen (KVL 99-21). Adult, *Musca domestica* [Diptera: Muscidae]. 20 Aug 1996. Denmark: Skævinge, Zealand.

6274 A Bruun Jensen ← I Klingen (NCRI 1-99). Female, *Delia radicum* [Diptera: Anthomyiidae]. Aug 1999. Norway: Ski, Akershus.

6701 A Bruun Jensen (KVL 00-92). [Diptera]. 29 Jun 2000. Denmark: Hundested, Zealand.

6706 A Bruun Jensen (KVL 99-75). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hundested, Zealand.

6707 A Bruun Jensen (KVL 99-93). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegnstrup, Slangerup, Zealand.

6708 A Bruun Jensen (KVL 99-138). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegnstrup, Slangerup, Zealand.

6709 A Bruun Jensen (KVL 99-139). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Sengeløse, Zealand.

6710 A Bruun Jensen (KVL 01-21). *Delia radicum* [Diptera: Anthomyiidae]. 29 Jun 2000. Denmark: Hundested, Zealand.

6711 A Bruun Jensen (KVL 01-24). *Delia radicum* [Diptera: Anthomyiidae]. 23 Jul 2000. Denmark: Ørslev, Zealand.

6712 A Bruun Jensen (KVL 01-37). *Botanophila fugax* [Diptera: Anthomyiidae]. 30 Aug 2000. Denmark: Hegnstrup, Slangerup, Zealand.

6713 A Bruun Jensen (KVL 99-80). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.

6714 A Bruun Jensen (KVL 99-72). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.

6715 A Bruun Jensen (KVL 99-74). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.

6716 A Bruun Jensen (KVL 99-95). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.

6717 A Bruun Jensen (KVL 99-84). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegnstrup, Slangerup, Zealand.

6811 A Bruun Jensen (KVL 99-85). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegnstrup, Slangerup, Zealand.

6812 A Bruun Jensen (KVL 99-74). *Musca domestica* [Diptera: Muscidae]. 11 Jul 1999. Denmark: Sverkilde, Zealand.

6813 A Bruun Jensen (KVL 99-110). *Musca domestica* [Diptera: Muscidae]. 7 Oct 1999. Denmark: Knardrup, Zealand.

6814 A Bruun Jensen (KVL 99-109). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Hegnstrup, Slangerup, Zealand.

6815 A Bruun Jensen (KVL 99-102). *Delia radicum* [Diptera: Anthomyiidae]. 13 Jul 1999. Denmark: Sengeløse, Zealand.

6818 A Bruun Jensen (KVL 01-39). *Delia radicum* [Diptera: Anthomyiidae]. 18 Jul 2000. Denmark: Sengeløse, Zealand.

6821 A Bruun Jensen (KVL 01-22). *Delia radicum* [Diptera: Anthomyiidae]. 18 Jul 2000. Denmark: Sengeløse, Zealand.

6918 A Bruun Jensen (KVL 99-92). *Coenosia tigrina* [Diptera: Muscidae]. 29 Jul 1999. Denmark: Ørslev, Zealand.

7371 AE Hajek (04 NY 1-1-1). [Diptera]. 2 Jun 2004. USA: Yellow Barn State Forest, Dryden, New York.

Entomophthora planchoniana Cornu
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

6251 F Freimoser (ETH 16b). *Ovatus crataegarius* [Homoptera: Aphididae] on *Mentha* sp. (Lamiaceae). Rec'd 17 Aug 1999. Denmark: in garden, Hundested, Zealand.

6252 F Freimoser (ETH 16c). *Ovatus crataegarius* [Homoptera: Aphididae] on *Mentha* sp. (Lamiaceae). Rec'd 17 Aug 1999. Denmark: in garden, Hundested, Zealand.

Entomophthora scatophagae Giard
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

6704 A Bruun Jensen (KVL 00-60). *Scatophaga stercoraria* [Diptera: Scatophagidae]. 3 May 2000. Denmark: Tuse Næs, Zealand.

6705 A Bruun Jensen (KVL 00-61). *Scatophaga stercoraria* [Diptera: Scatophagidae]. 3 May 2000. Denmark: Tuse Næs, Zealand.

Entomophthora schizophorae S Keller & Wilding in S Keller
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

2540 J Eilenberg (KVL 1). *Psila rosae* [Diptera: Psilidae]. Aug 1984. Denmark: Strandholm, Fårevejle, Vestsjælland.

2541 J Eilenberg (KVL 2). *Psila rosae* [Diptera: Psilidae]. Sep 1985. Denmark: Strandholm, Fårevejle, Vestsjælland.

2667 J Eilenberg (KVL 13). *Psila rosae* [Diptera: Psilidae]. 23 Jun 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.

5348 DW Watson. *Musca domestica* [Diptera: Muscidae]. Aug 1987. USA: Seward, Nebraska.

6137 A Bruun Jensen (KVL 99-18). Adult, *Musca domestica* [Diptera: Muscidae]. 14 Aug 1996. Denmark: Roskilde, Zealand.

6138 A Bruun Jensen (KVL 99-19). Adult, *Musca domestica* [Diptera: Muscidae]. 14 Aug 1996. Denmark: Roskilde, Zealand.

6139 A Bruun Jensen (KVL 99-20). Adult, *Musca domestica* [Diptera: Muscidae]. 14 Aug 1996. Denmark: Roskilde, Zealand.

6142 A Bruun Jensen (KVL 99-24). Adult, *Musca domestica* [Diptera: Muscidae]. 10 Oct 1998. Denmark: Annisse, Zealand.

6143 A Bruun Jensen (KVL 99-25). Adult, *Musca domestica* [Diptera: Muscidae]. 10 Oct 1998. Denmark: Annisse, Zealand.

6703 A Bruun Jensen (KVL 01-38). *Pollenia* sp. [Diptera: Calliphoridae]. 2 Oct 2000. Denmark: Hundested, Zealand.

6816 A Bruun Jensen (KVL 00-94). *Pollenia* sp. [Diptera: Calliphoridae]. 2 Oct 2000. Denmark: Hundested, Zealand.

6817 A Bruun Jensen (KVL 00-93). *Pollenia* sp. [Diptera: Calliphoridae]. 4 Oct 2000. Denmark: Hundested, Zealand.

Entomophthora syrphi Giard
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

5955 A Bruun Jensen (KVL 98-19). Adult, *Triglyphus*

primus [Diptera: Syrphidae]. 21 Aug 1998. Denmark: Zealand.

6702 A Bruun Jensen (KVL 01-36). *Platycheirus clypeatus* [Diptera: Syrphidae]. 9 Aug 2000. Denmark: Hegnstrup, Slangerup, Zealand.

6819 A Bruun Jensen (KVL 01-35). *Melanostoma scalare* [Diptera: Syrphidae]. Summer 2000. Denmark: Kalø, Jutland.

6820 A Bruun Jensen (KVL 01-34). *Melanostoma scalare* [Diptera: Syrphidae]. Summer 2000. Denmark: Kalø, Jutland.

Entomophthora thripidum Samson, Ramakers & Oswald
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

5868 A Grundschober (ETH 601). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.

6517 F Freimoser (ETH 602). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.

6518 F Freimoser (ETH 603). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.

6519 F Freimoser (ETH 604). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.

6520 F Freimoser (ETH 605). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.

6521 F Freimoser (ETH 607). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig. Re-isolate of ETH 603 [=ARSEF 6518] after passage through *Thrips tabaci*.

6522 F Freimoser (ETH 608). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig. Re-isolate of ETH 603 [=ARSEF 6518] after passage through *Thrips tabaci*.

6525 F Freimoser (ETH 606). *Thrips tabaci* [Thysanoptera: Thripidae]. 21 Apr 1998. Germany: Laboratory colony, BBA, Institut für Pflanzenschutz im Gartenbau, Braunschweig, Braunschweig.

***Erynia* sp.**
[Zygomycetes: Entomophthoromycotin]

Entomophthoraceae. Strains included here were not sufficiently identifiable to the species and have not been reidentified since publication of the entomophthoralean taxonomy used here (see Humber, 1989, Mycotaxon 34:441-460). In this classification these strains would be reassigned to *Pandora* Humber, *Furia* (Batko) Humber, *Erynia* (Nowakowski ex Batko) Remaudière & Hennebert, or *Zoophthora* Batko.

876 [CNPAF 83-04-15-2B; CP 106] DW Roberts. [Diptera]. Apr 1983. Brazil: Barbalha, Ceará.

880 [CNPAF 83-04-15-2A; CP 110] BP Magalhães and DW Roberts. Adult, [Diptera]. Apr 1983. Brazil: Barbalha, Ceará.

884 [CNPAF 83-04-15-2C; CP 114] BP Magalhães and DW Roberts. Adult, [Diptera]. Apr 1983. Brazil: Barbalha, Ceará.

983 J Aoki (Ent. 18) ← H Tomiyama. *Plutella xylostella* [Lepidoptera: Plutellidae]. Nov 1976. Japan: Fuchu, Tokyo Prefecture.

1052 J Aoki (Ent. 42) ← M Shimazu. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.

1143 [CSIRO EM694] M Shimazu (F-344). *Eana argentana* [Lepidoptera: Tortricidae]. Acc'd 4 Apr 1984. Japan: Hokkaido Prefecture.

1241 [CNPAF 84-04-13-1C; CP 141] DW Roberts. Larva, [Lepidoptera]. 13 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.

1266 J Aoki (Ent. 34) ← M Shimazu. Acc'd 3 May 1984. Japan: Chikugo, Fukuoka Prefecture.

1267 J Aoki (Ent. 37) ← M Shimazu. Acc'd 3 May 1984. Japan: Chikugo, Fukuoka Prefecture.

1338 S Balazy (1559). [Diptera: Brachycera] attached to the leaves of arboraceous plants. 22 May 1983. Poland: Bialowieza National Park.

1666 JV Maddox, MR McGuire and MJ Morris. *Therioaphis maculata* [Homoptera: Aphididae] in clover field. May 1984. USA: Illinois.

2027 JA Harper. 4th instar larva, *Pseudoplusia includens* [Lepidoptera: Noctuidae]. Acc'd 28 Oct 1985. USA: Auburn, Alabama.

2097 DG Holdom (130286). *?Hydrellia* sp. [Diptera: Ephydridae]. 13 Feb 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2279 IL Sivcev (20/86). [Homoptera: Aphididae] on *Cichorium intybus*. 10 Jun 1986. Yugoslavia: Zemun, Belgrade.

2292 IL Sivcev (42/86). *Macrosiphum euphorbiae* [Homoptera: Aphididae] on cabbage. 23 Jun 1986. Yugoslavia: PKB commune, Zemun, Belgrade.

2294 IL Sivcev (55/86). *Brevicoryne brassicae* [Homoptera: Aphididae]. 23 Jun 1986. Yugoslavia: PKB commune, Zemun, Belgrade.

2495 J Eilenberg (KVL 14) ← T Møhl. [Diptera]. 30 Jun 1986. Denmark: Strandholm, Fårevejle, Vestsjælland.

2507 J Eilenberg (KVL 39) and N Wilding. [Diptera: Chironomidae]. 31 Aug 1987. United Kingdom: Rothamsted Experimental Station, Hertfordshire, England.

2525 J Eilenberg (KVL 34). *Rhagonycha fulva* [Coleoptera: Cantharidae]. Aug 1987. Denmark: Holmegaards Mose, Zeeland.

2536 J Eilenberg (KVL 18). *Rhagonycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zeeland.

2537 J Eilenberg (KVL 23). *Rhagonycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zeeland.

2538 J Eilenberg (KVL 20). *Rhagonycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zeeland.

2539 J Eilenberg (KVL 22). *Rhagonycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zeeland.

2553 [ARSEF 2662 (deaccessioned)] J Eilenberg (KVL 19) and J Martin. *Rhagonycha fulva* [Coleoptera: Cantharidae]. 31 Jul 1986. Denmark: Holmegaards Mose, Zeeland.

2663 J Eilenberg (KVL 33) ← J Martin. *Rhagonycha fulva* [Coleoptera: Cantharidae]. Aug 1987. Denmark: Holmegaards Mose, Zeeland.

2664 J Eilenberg (KVL 40). [Coleoptera: Cantharidae]. Jun 1987. Denmark: Brogaard, Lammfjorden.

5352 KT Hodge. Adult, [Coleoptera: Cantharidae] Willow. 18 Jun 1996. USA: German Cross Road, Dryden, New York.

9537 [SRCAMB VL-1659] V Likhovidov. [Trichoptera]. 18 Sep 2004. Russian Federation: Mostovsky District, Krasnodarsky Krai. Field Collection Number F-768.

Erynia aquatica (Anderson & Ringo in Anderson & Anagnostakis) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Vegetative growth of this species is very sparse and slow. Strains should be in liquid tissue culture media incubated at 0-4°C.

750 RA Humber and RG Lawlor. Adult, *Aedes* sp. [Diptera: Culicidae]. Acc'd 10 Dec 1987. USA: Cambridge, New York.

764 RA Humber and RG Lawlor. Pupa, [Diptera: Culicidae]. Jun 1982. USA: Memorial Rock, Sapsucker Woods, Ithaca, New York.

Erynia conica (Nowakowski) Remaudière & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

1439 N Hywel-Jones (H84178-2). *Simulium* sp. [Diptera: Simuliidae]. Jun 1984. United Kingdom: Fingle Bridge (River Teign), Devon, England.

1752 S Keller (527). [Diptera: Simuliidae]. 24 Oct 1984. Switzerland.

1753 S Keller (528). [Diptera: Simuliidae]. 24 Oct 1984. Switzerland.

2274 EL Cuebas-Incle (III). Adult, [Diptera: Chironomidae]. 2 Oct 1985. USA: Six Mile Creek, Brooktondale, New York.

2275 EL Cuebas-Incle (IV). Gravid female, [Diptera: Simuliidae]. 2 Oct 1985. USA: Six Mile Creek, Brooktondale, New York.

2405 RI Samuels. Adult, [Diptera: Chironomidae]. Sep 1986. United Kingdom: Avon, England.

Erynia curvispora (Nowakowski) Remaudière & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

1754 S Keller (529). [Diptera: Simuliidae]. 24 Oct 1984. Switzerland.

3229 M Nadeau (222). Adult, [Diptera: Simuliidae]. 19 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

3244 M Nadeau (241). Adult, [Trichoptera]. 20 Jun 1990. Canada: Réserve Faunique du Saint, Maurice, Québec.

Erynia ovispora (Nowakowski) Remaudière & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

399 S Keller (100). [Diptera: Psychodidae]. 12 Jun 1978. Switzerland.

400 S Keller (102). [Diptera: Psychodidae]. 12 Jun 1978. Switzerland.

Erynia rhizospora (Thaxter) Remaudière & Hennebert
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

219 LS Bauer. Adult, [Trichoptera]. Jun 1978. USA: Dover-Foxcroft, Maine.

801 EL Cuebas-Incle. Adult, [Trichoptera]. 24 Jul 1982. USA: outlet, Dryden Lake, Dryden, New York.

1440 RA Humber. Adult, [Trichoptera]. 2 Jul 1984. United Kingdom: Castle Drago (River Teign), Devon, England.

1441 RA Humber. Adult, [Trichoptera]. 2 Jul 1984. United Kingdom: Castle Drago (River Teign), Devon, England.

1442 E Descals (C-1756-4) and RA Humber. Adult, [Trichoptera]. 27 Jun 1984. Wales: polluted stream, Llanfair Caereinon, Powys.

1443 RA Humber. Adult, [Trichoptera]. 21 Jun 1984. United Kingdom: Steps Bridge, Devon, England.

2276 EL Cuebas-Incle (V). Adult, [Trichoptera]. 26 Jul 1985. USA: Michigan Hollow, Danby, New York.

2407 RI Samuels ← TB Clark and TC Reeves. Adult, [Trichoptera: Hydropsychidae]. Aug 1986. United Kingdom: Fingle Bridge (River Teign), Devon, England.

Erynia sciarae (Olive) Ben-Ze'ev & RG Kenneth
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

1870 N Wilding (80) ← G Remaudière. Adult, [Diptera: Mycetophilidae] on soil. 30 Sep 1976. Location not specified.

Eryniopsis caroliniana (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

640 [ARSEF 213 (deaccessioned)] S Keller (69). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd 10 Aug 1981. Switzerland.

641 [ARSEF 424 (lost)] S Keller (41). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd 10 Aug 1981. Switzerland.

642 [ARSEF 212 (deaccessioned)] S Keller (65). *Tipula paludosa* [Diptera: Tipulidae]. Rec'd 10 Aug 1981. Switzerland.

Eryniopsis ptychopterae S Keller & Eilenberg
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

2535 J Eilenberg (KVL 5). *Ptychoptera contaminata* [Diptera: Ptychopteridae]. 25 Aug 1986. Denmark: Kattinge Vig, Roskilde.

2671 J Eilenberg (KVL 48). *Ptychoptera contaminata* [Diptera: Ptychopteridae]. 9 Aug 1988. Denmark: Kattinge Vig, Roskilde.

Escovopsis aspergilloides Seifert, Samson & Chapela
[Sordariomycetes: Hypocreales]
Hypocreaceae

5575 CR Currie (97T27). *Trachymyrmex sp.* [Hymenoptera: Formicidae] fungus growing on ant's fungus garden. 14 May 1997. Panama: Soberania National Park.

Escovopsis sp.
[Sordariomycetes: Hypocreales]
Hypocreaceae

5574 CR Currie (97AC1). *Acromyrmex octospinosus* [Hymenoptera: Formicidae] fungus growing on ant's fungus garden. 28 May 1997. Panama: Soberania National Park.

Escovopsis weberi Muchovej & Della Lucia
[Sordariomycetes: Hypocreales]
Hypocreaceae

5576 CR Currie (970518-4). *Atta colombica* [Hymenoptera: Formicidae] fungus growing on ant's fungus garden. 18 May 1997. Panama: near Fort Sherman.

Eurotiomycetes, genus undetermined
[Eurotiomycetes]

9360 [ERL 1646] S Gouli (HWA-G-1) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

9361 [ERL 1650] S Gouli (HWA-G-6) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

***Evlachovaea* sp.**
[Sordariomycetes: Hypocreales]
Cordycipitaceae

959 [CNPAF 83-01-06B (CB 15); CP 105] RA Daoust ← SM de Carvalho. *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 6 Jan 1983. Brazil: Londrina, Paraná.

1017 HS Whitney (R599). Adult, *Dendroctonus rufipennis* [Coleoptera: Scolytidae]. Jun 1975. Canada: nr. Hixon, British Columbia.

1576 KV Deseö (93). Larva, *Monophadnus elongatulus* [Hymenoptera: Tenthredinidae]. Feb 1984. Italy: Bologna, Emilia-Romagna.

2297 DA Rodriguez Sierra (103 Bb). Larva, *Brassolis* sp. [Lepidoptera: Brassolidae]. Oct 1985. Colombia: Cumaral, Meta.

2545 SR Sánchez Peña. [Hymenoptera: Sphecidae]. 22 Jun 1987. Mexico: San Pedro (Chipinque), Nuevo Leon.

2613 SB Alves (715). *Brassolis sophorea* [Lepidoptera: Brassolidae]. Apr 1988. Brazil: Moju, Pará.

2614 SB Alves (716). *Anteotricha* sp. [Lepidoptera: Oecophoridae]. Apr 1988. Brazil: Moju, Pará.

2615 SB Alves (717). *Anteotricha* sp. [Lepidoptera: Oecophoridae]. Apr 1988. Brazil: Moju, Pará.

2620 SB Alves (758). *Brassolis sophorea* [Lepidoptera: Brassolidae]. Jun 1988. Brazil: Aracajú, Sergipe.

5703 JL Hatting (1). *Sitotroga cerealella* [Lepidoptera: Gelechiidae]. Sep 1997. South Africa: Bethlehem, Orange Free State.

6146 A Moino Junior. Larva, *Chiromyza* sp. [Diptera: Stratiomyidae]. Feb 1999. Brazil: Lavras, Minas Gerais.

6635 SB Alves (ESALQ 1225). *Leptopharsa heveae* [Hemiptera: Tingidae]. 28 Sep 1998. Brazil: Itiquira, Mato Grosso.

6638 SB Alves (ESALQ 1228). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 25 Sep 2000. Brazil: Manaus, Amazonas.

6639 SB Alves (ESALQ 1229). *Leptopharsa heveae* [Hemiptera: Tingidae]. 29 Sep 1998. Brazil: Itiquira, Mato Grosso.

6640 SB Alves (ESALQ 1230). *Leptopharsa heveae* [Hemiptera: Tingidae]. 29 Sep 1998. Brazil: Itiquira, Mato Grosso.

6641 SB Alves (ESALQ 1235). *Leptopharsa heveae* [Hemiptera: Tingidae]. 11 Nov 1998. Brazil: Brasília, Distrito Federal.

7372 AE Hajek. Larva, *Plecia* sp. [Diptera: Bibionidae] from soil beneath *Eremochloa* sp., centipede grass. 4 Mar 2004. USA: Sod farm, Pearl River County, Mississippi.

7403 G Zimmermann (E 1622/01) ← U Heimbach. Larva, *Agriotes* sp. [Coleoptera: Elateridae]. Oct 2001. Germany: Neustadt an der Weinstrasse, Rheinhessen-Pfalz.

7543 BJ Cole (C6). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 969. Summer 2004. USA: Mesa County, Colorado.

7551 [CIAT 301] A Gaigl. *Phyllophaga menetriesi* [Coleoptera: Scarabaeidae]. 14 Jan 2004. Colombia: Caldono, Cauca. 1500 m elevation.

7599 [SRCAMB B-411] V Likhovidov ← BA Borisov. Larva, [Lepidoptera]. 1 Oct 1990. Ukraine: Kherson Oblast. Field Collection Number F-228.

7600 [SRCAMB VL-767] V Likhovidov. Pupa, [Lepidoptera] Isolated from synnema. 20 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-226.

7601 [SRCAMB VL-768] V Likhovidov. Pupa, [Lepidoptera] Isolated from synnema. 20 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-227.

7602 [SRCAMB VL-922] V Likhovidov. [Dermaptera]. 22 Aug 2002. Russian Federation: Astrakhanskiy Biosphere Reserve, Astrakhan Oblast. Field Collection Number F-229.

7990 Acc'd 27 Apr 2006.

7991 Acc'd 27 Apr 2006.

7992 Acc'd 27 Apr 2006.

7993 Acc'd 28 Apr 2006.

8439 Z Demirbag (KTU-33). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 23 Jul 2006. Turkey: Kesap, Giresun.

8441 Z Demirbag (KTU-35). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 21 Mar 2007. Turkey: Ikizce, Ordu.

8442 Z Demirbag (KTU-36). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 21 Mar 2007. Turkey: Ikizce, Ordu.

8449 Z Demirbag (KTU-43). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Mar 2007. Turkey: Gürgentepe, Ordu.

8469 WC Luz (eco 39). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8474 WC Luz (eco 74). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8479 WC Luz (eco 108). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8485 WC Luz (IP 67). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8486 WC Luz (IP 126). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8487 WC Luz (IP 141). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8488 WC Luz (IP 142). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8489 WC Luz (IP 148). Isolated from soil sample. Rec'd 7 Jun 20007. **RESTRICTED ACCESS:** *consult Curator*.

8490 WC Luz (IP 154). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8491 WC Luz (IP 218). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

9164 [ERL 757] M Brownbridge (CA-741) and V Gouli. Isolated from soil sample. 2002. USA: California.

9165 [ERL 759] M Brownbridge (CA-773) and S Gouli. Isolated from soil sample. 2002. USA: California.

9166 [ERL 760] M Brownbridge (CA-797) and S Gouli. Isolated from soil sample. 2002. USA: California.

9167 [ERL 761] M Brownbridge (CA-798) and V Gouli. Isolated from soil sample. 2002. USA: California.

9168 [ERL 762] M Brownbridge (CA-774) and S Gouli. Isolated from soil sample. 2002. USA: California.

9169 [ERL 763] M Brownbridge (CA-799) and S Gouli. Isolated from soil sample. 2002. USA: California.

9170 [ERL 764] M Brownbridge (CA-743) and V Gouli. Isolated from soil sample. 2002. USA: California.

9171 [ERL 765] M Brownbridge (CA-744) and S Gouli. Isolated from soil sample. 2002. USA: California.

9172 [ERL 766] M Brownbridge (CA-775) and S Gouli. Isolated from soil sample. 2002. USA: California.

9173 [ERL 767] M Brownbridge (CA-776) and V Gouli. Isolated from soil sample. 2002. USA: California.

9174 [ERL 768] M Brownbridge (CA-777) and S Gouli. Isolated from soil sample. 2002. USA: California.

9185 [ERL 769] M Brownbridge (CA-745) and S Gouli. Isolated from soil sample. 2002. USA: California.

9186 [ERL 770] M Brownbridge (CA-746) and S Gouli. Isolated from soil sample. 2002. USA: California.

9187 [ERL 772] M Brownbridge (CA-779) and S Gouli. Isolated from soil sample. 2002. USA: California.

9188 [ERL 773] M Brownbridge (CA-800) and S Gouli. Isolated from soil sample. 2002. USA: California.

9189 [ERL 774] M Brownbridge (CA-747) and V Gouli. Isolated from soil sample. 2002. USA: California.

9190 [ERL 776] M Brownbridge (CA-780) and S Gouli. Isolated from soil sample. 2002. USA: California.

9191 [ERL 777] M Brownbridge (CA-801) and V Gouli. Isolated from soil sample. 2002. USA: California.

9192 [ERL 778] M Brownbridge (CA-802) and S Gouli. Isolated from soil sample. 2002. USA: California.

9237 [ERL 771] M Brownbridge (CA-778) and S Gouli. Isolated from soil sample. 2002. USA: California.

Evlachovaea kintrischica Borisov & Tarasov
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7218 [CMPPB 150; SRCAMB B-184] V Likhovidov ←BA Borisov (B.B. 2). *Agelastica alni* [Coleoptera: Chrysomelidae] in litter. 21 Sep 1991. Republic of Georgia: Kintrishi Valley, near Cordon Tskhemlovani, Kintrishskiy Nature Reserve, Autonomous Republic of Adjara. 360 m elevation. Field Collection Number F-306. CULTURE EX TYPE.

8058 [CMPPB 150; SRCAMB B-184] V Likhovidov ←BA Borisov (B.B. 2). *Agelastica alni* [Coleoptera: Chrysomelidae] in litter. 21 Sep 1991. Republic of Georgia: Kintrishi Valley, near Cordon Tskhemlovani, Kintrishskiy Nature Reserve, Autonomous Republic of Adjara. 360 m elevation. Field Collection Number F-306. CULTURE EX TYPE.

***Exophiala* sp.**
[Eurotiomycetes: Chaetothyriales]
Herpotrichiellaceae

9362 [ERL 1652] S Gouli (HWA-G-7) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

Furculomyces boomerangus (MC Williams & Lichtwardt) MC Williams & Lichtwardt
[Kickxellomycotina: Harpellales]
Legeriomycetaceae

9021 RW Lichtwardt (AUS-77-4). *Tanytarsus nr. inextentus* [Diptera: Chironomidae]. Apr 1987. Australia: Tasmania.

9077 RW Lichtwardt (AUS-42-6). *Procladius paludicola* [Diptera: Chironomidae]. Apr 1987. Australia: Victoria.

9259 RW Lichtwardt (AUS-42-7). *Psectrocladius paludicola* [Diptera: Chironomidae]. Apr 1987. Australia: Victoria.

***Furia* sp.**
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

6211 Acc'd 17 Feb 2000.

Furia americana (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

742 [CNPAF 82-3-10-01; CP 32] RS Soper. [Diptera]. 10 Mar 1982. Brazil: CNPAF, Goiânia, Goiás.

1240 [CNPAF 84-03-30-4B; CP 140] DW Roberts. [Diptera]. 30 Mar 1984. Brazil: Francisco Beltrão, Paraná.

1242 [CNPAF 84-03-30-1A; CP 142] RA Daoust, BP Magalhães and DW Roberts. [Diptera]. 30 Mar 1984. Brazil: Francisco Beltrão, Paraná.

2192 [CNPAF 86-4-24; CP 202] SM dos Santos. [Diptera]. 24 Apr 1986. Brazil: CNPAF, Goiânia, Goiás.

2194 [CNPAF 86-5-21-A; CP 204] SM dos Santos. [Diptera]. 21 May 1986. Brazil: CNPAF, Goiânia, Goiás.

Furia gastropachae (Raciborski) Filotas, Hajek & Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Synonym: *Furia crustosa* (MacLeod & Tyrrell) Humber

2906 FPMI. [Lepidoptera]. Acc'd 3 Apr 1990. Canada.

5541 M Filotas (NY I1). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1997. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.

5542 M Filotas (NY I2). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1997. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.

5543 M Filotas (NY V). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1997. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.

5544 M Filotas (NY Z). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1997. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to germinating resting spores in field collected soil.

5545 M Filotas (MD97 S1-1). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 6 Jun 1997. USA: Snow Hill, Maryland.

5546 M Filotas (MD97 S1-2). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 6 Jun 1997. USA: Snow Hill, Maryland.

5547 M Filotas (CTLD A). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 19 Jun 1997. USA: State University of New York campus, Cortland, New York.

5869 [Forest Pest Management Institute FPMI 713] M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 9 Jun 1982. Canada: Webbwood, Ontario.

5870 [Forest Pest Management Institute FPMI 922-1a] M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 20 Jun 1986. Canada: New Liskeard, Ontario.

5871 [Forest Pest Management Institute FPMI 922-2a] M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 20 Jun 1986. Canada: New Liskeard, Ontario.

5872 [Forest Pest Management Institute FPMI 922-3a] M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 20 Jun 1986. Canada: New Liskeard, Ontario.

8926 [ERL 1539b] VS Gouli (FTC). *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. 2007. USA: Vermont.

Furia ithacensis (Kramer) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

1339 S Balazy (1561). [Diptera: Empididae] attached to the leaves of arboraceous plants. 22 May 1983. Poland: Bialowieza National Park.

1340 S Balazy (1561a). [Diptera: Empididae] attached to the leaves of arboraceous plants. 22 May 1983. Poland: Bialowieza National Park.

8606 KT Hodge. Rec'd 14 Jun 2007.

Furia neopyralidarum (Ben-Ze'ev) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

1145 M Shimazu (F-356). [Lepidoptera]. Acc'd 4 Apr 1984. Japan: Ibaraki Prefecture.

Furia pieris (Li & Humber) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

781 BF Usher. *Pieris rapae* [Lepidoptera: Pieridae]. 27 Aug 1982. USA: Ellis Hollow Rd, Community Gardens, Ithaca, New York.

Furia virescens (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

394 S Keller (24). *Notostira elongata* [Hemiptera: Miridae]. 9 Oct 1975. Switzerland.

427 S Keller (250). Larva, [Lepidoptera]. Rec'd 6 Feb 1980. Switzerland.

470 S Keller (251). [Lepidoptera: Noctuidae]. Rec'd 27 May 1980. Switzerland.

1129 S Keller (416). [Lepidoptera: Noctuidae]. 18 Aug 1982. Switzerland.

***Fusarium* sp.**
[Sordariomycetes: Hypocreales]
Nectriaceae

687 [NRRL 25080] DW Roberts (101181-4). *Nilaparvata lugens* [Homoptera: Delphacidae]. 11 Oct 1981. PR China: Shanghai, Kiangsu.

1307 [NRRL 25081] TJ Poprawski (043). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Acquapendente, Lazio.

1310 [NRRL 25082] TJ Poprawski (A9). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.

1522 [NRRL 25083] TJ Poprawski (0121). Pupa, *Musca domestica* [Diptera: Muscidae]. 5 Jul 1984. France: La Clastre.

1641 [NRRL 25084] TJ Poprawski (0138). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.

1828 [NRRL 25085] RA Humber (Fus. Wal) and MC Rombach. [Homoptera: Coccidae] on stems of young *Citrus* sp. 13 Nov 1984. Sri Lanka: Walpita Farm, between Diwulapitiya & Kotadeniyawa.

2232 [NRRL 25086] K Narayanan (6). *Coccus viridis* [Homoptera: Coccidae]. Rec'd 27 Aug 1986. India.

2252 [NRRL 25087] TJ Poprawski (8627). Adult, [Diptera: Bibionidae] on *Solidago* sp. 16 Jun 1986. France: Béhoust, Yvelines.

2303 [NRRL 52756] JE Moxon (2). *Heteropsylla cubana* [Homoptera: Psyllidae]. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

2333 [NRRL 25088] MG Feng (SA8602). *Sitobion avenae* [Homoptera: Aphididae] on spring wheat. Summer 1986. USA: Apple Valley Rd. & Klahr Rd., Parma, Idaho.

2337 [NRRL 25089] MG Feng (RP8601). *Rhopalosiphum padi* [Homoptera: Aphididae] on field corn. 2 Sep 1986. USA: Apple Valley Rd. & Klahr Rd., Parma, Idaho.

2414 K Narayanan (16). [Diptera]. Acc'd 6 May 1987. India.

2418 [NRRL 25090; SBI 87-2] H David. *Emmalocera depressella* [Lepidoptera: Phycitinae]. Acc'd 19 May 1987. India.

2568 [NRRL 25091] F Agudelo-Silva ← RL Bugg. Larva, *Chalcodermus aeneus* [Coleoptera: Curculionidae]. Nov 1987. USA: Tifton, Georgia.

2569 [NRRL 25092] F Agudelo-Silva ← RL Bugg. Larva, *Chalcodermus aeneus* [Coleoptera: Curculionidae]. Nov 1987. USA: Tifton, Georgia.

2595 [NRRL 25093] RC Rajak (ENT/10A). *Hyblaea puer* [Lepidoptera: Hyblaeidae] on teak, *Tectona grandis*. Acc'd 12 Sep 1988. India.

2736 [NRRL 25094] GW Riethmacher (Ma2). *Spodoptera* sp. [Lepidoptera: Noctuidae]. 4 Jan 1989. Philippines: La Trinidad, Benguet.

2743 [NRRL 25095] GW Riethmacher (B5Bs). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 6 Feb 1989. Philippines: Atok, Benguet.

2776 G Riethmacher (EB4). *Plutella xylostella* [Lepidoptera: Plutellidae]. Acc'd 12 Nov 913. Philippines: La Trinidad, Benguet.

3030 [NRRL 25097] W Mechaber (weevil#1318). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Lyonia mariana*. 1 Jun 1990. USA: Pemberton, New Jersey.

3031 [NRRL 25098] W Mechaber (weevil#1334). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Lyonia mariana*. 1 Jun 1990. USA: Pemberton, New Jersey.

3032 [NRRL 25099] W Mechaber (weevil#1354). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Lyonia mariana*. 1 Jun 1990. USA: Pemberton, New Jersey.

3042 WE Jones (Hara). Phylum Nemata, Class Secernentea. Rec'd 7 Aug 1990. USA: Island of Hawaii, Hawaii.

3051 [NRRL 25100] MS Goettel (4C). Soil. Jul 1990. Mali: Mordiah.

3296 [NRRL 25101] J Gutierrez Samperio (12) ← ERD Reyes. *Boophilus* sp. [Acari: Ixodidae] on cow. 1987. Mexico: Colima.

3300 [NRRL 25102] J Gutierrez Samperio (16) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.

3345 [NRRL 25103] F Badilla. *Aeneolamia postica* [Homoptera: Cercopidae] on sugar cane. Nov 1990. Costa Rica: San Carlos.

3382 [NRRL 25104] K Ostrovska (12) ← PG Lawlor. *Lutzomyia* sp. [Diptera: Psychodidae]. Jul 1991. Guatemala: Tical, Petén.

3532 [NRRL 25105] AE Hajek (167a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: nr. C & O Canal, Allegany County, Maryland.

3668 [NRRL 25106] TJ Poprawski (38). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on snail vine. Jan 1992. USA: El Centro, California.

3669 [NRRL 25107] TJ Poprawski (60). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on apple tree. 4 Feb 1992. USA: Monroy Estate, El Centro, California.

3670 [NRRL 25108] TJ Poprawski (5). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on orchid tree. 3 Jan 1992. USA: Vogles Nursery, Holtville, California.

3671 [NRRL 25109] TJ Poprawski (7). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on tangerine. 14 Jan 1992. USA: Broken Spoke Trailer Park, El Centro, California.

3672 [NRRL 25110] TJ Poprawski (19). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on ornamental kale. 30 Jan 1992. Mexico: Verecruz-Tobar Ranch, Est. Victoria, Mexicali Valley, Baja California.

3673 [NRRL 25111] TJ Poprawski (32). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on lemon tree. 22 Jan 1992. USA: Brawley, California.

3674 [NRRL 25112] TJ Poprawski (50). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on orchid tree. 28 Jan 1992. USA: Calexico, California.

3675 [NRRL 25113] TJ Poprawski (5A). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on orchid tree. 3 Jan 1992. USA: Holtville, California.

3676 [NRRL 25114] TJ Poprawski (2). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on orange tree. 13 Jan 1992. Mexico.

3677 [NRRL 25115] TJ Poprawski (2A). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on cauliflower. 13 Jan 1992. Mexico.

3678 [NRRL 25116] TJ Poprawski (13). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on broccoli. 16 Jan 1992. USA: Calexico, California.

3679 [NRRL 25117] TJ Poprawski (15). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on kale. 17 Jan 1992. Mexico: Aranzga Ranch, Est. Victoria, Mexicali Valley, Baja California.

3704 [NRRL 25118] LA Lacey (022A). Adult, [Homoptera: Aphididae]. 6 Mar 1992. Pakistan: Lahore.

3707 [NRRL 25119] LA Lacey (021A). Adult, [Homoptera: Aphididae]. 6 Mar 1992. Pakistan: Lahore.

3791 [NRRL 25120] R Alatorre Rosas. Rec'd 1 Oct 1992. Location not specified.

3976 [NRRL 25121] LA Lacey (93013) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.

4002 [NRRL 25122] LA Lacey (93039) ← Heruies. [Homoptera: Aleyrodidae] on citrus. 30 Apr 1993. Brazil: Bahia.

4011 [NRRL 25123] T Steenberg (193) ← J Martin. *Lilioceris lilii* [Coleoptera: Chrysomelidae]. Jun 1989. Denmark: Garden of Agricultural University, Zealand.

4238 [DAT 32; NRRL 52761] AC Rath (F32). Soil. 1987. Australia: Woodbury, Tasmania.

4713 [NRRL 52762] D Peck (5). Adult, female, *Prosapia nr. bicincta* [Homoptera: Cercopidae] on *Cynodon nlemfuensis* Vanderyst, African Bermudagrass. 12 Aug 1994. Costa Rica: Dairy pasture at 1325M elevation, Monteverde, Puntarenas.

4714 [NRRL 52758] D Peck (7). Adult, female, *Prosapia nr. bicincta* [Homoptera: Cercopidae] on *Cynodon nlemfuensis* Vanderyst, African Bermudagrass. 12 Aug 1994. Costa Rica: Dairy pasture at 1325M elevation, Monteverde, Puntarenas.

4715 [NRRL 52760] D Peck (9). Adult, male, *Prosapia nr. bicincta* [Homoptera: Cercopidae] on *Cynodon nlemfuensis* Vanderyst, African Bermudagrass. 12 Aug 1994. Costa Rica: Dairy pasture at 1325M elevation, Monteverde, Puntarenas.

4825 [NRRL 52764] JD Vandenberg (27-2). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.

4863 [NRRL 52689] BL Parker (AVRDC-0447B). Soil Eggplant. 6 Oct 1994. Republic of China: Chi-Nan, Taiwan.

4864 [NRRL 52757] BL Parker (AVRDC-0454B). Soil Eggplant. 6 Oct 1994. Republic of China: NPPI, Pingtung, Taiwan.

4956 [NRRL 52752] N Viaene (5). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae]. 9 Jun 1994. USA: greenhouse nematode culture, New York.

4962 [NRRL 52763] N Viaene (17). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae]. 9 Jun 1994. USA: greenhouse nematode culture, New York.

4969 [NRRL 52688] JL Hatting (B). *Diuraphis noxia* [Homoptera: Aphididae]. Aug 1995. South Africa: Bethlehem, Orange Free State.

5219 [NRRL 52753] M Melo (1). Larva, *Scrobipalpuloides absoluta* [Lepidoptera: Gelechiidae] on tomato. Rec'd 12 Jul 1996. Brazil: Pelotas, Rio Grande do Sul.

5332 [NRRL 52725] SARL (150) ← S Doerfler, B Flores and TJ Poprawski. Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] on okra. 6 Sep 1994. USA: Harlingen, Texas.

5461 TJ Poprawski (TJP926) ← G Mercadier (EBCL 97031). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi. 89099.

5560 I Klingen (PVF 8.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.

5680 BL Parker (SPT-042). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1998. Turkey: Graek, Konor, Elbistan, Kahraman Maras.

5682 BL Parker (SPT-078). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.

5726 L Erkiliç (95-1). *Aphis gossypii* [Homoptera: Aphididae] on *Citrus*. 12 Jul 1995. Turkey: Adana, Adana.

5727 L Erkiliç (96-1). *Aphis gossypii* [Homoptera: Aphididae] on *Gossypium*. 30 Jul 1996. Turkey: Adana, Adana.

5728 L Erkiliç (97-1). *Aphis gossypii* [Homoptera: Aphididae] on *Gossypium*. 23 Aug 1997. Turkey: Adana, Adana.

5755 BL Parker (SPT 026/1). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 21 Jan 1998. Syria: Al Kilabia.

5757 BL Parker (SPT 029/2). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 21 Jan 1998. Syria: Meshmeghan.

5803 BL Parker (HWA 310). *Adelges tsugae* [Homoptera: Adelgidae]. Oct 1997. USA: Russell, Massachusetts.

5825 BL Parker (AT 153). *Adelges tsugae* [Homoptera: Adelgidae]. Oct 1997. USA: Forest Park, Massachusetts.

5875 FE Vega (EBCL 98004). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.

5878 FE Vega (EBCL 98011). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.

5879 FE Vega (EBCL 98012). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 19 Oct 1997. Uganda: Chesogok.

5881 FE Vega (EBCL 98021). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. Nov 1997. Benin: Cotonou, Atlantique.

6102 JL Hatting. *Orachrysops subravus* [Lepidoptera: Lycaenidae: Polyommatinae]. Rec'd Winter 1999. South Africa.

6225 FE Vega. *Lopholeucaspis japonica* [Homoptera: Diaspididae]. 6 Oct 1998. Republic of Georgia: Batumi, Autonomous Republic of Adjara.

6320 [CIAT 004; NRRL 52687] DC Peck. Adult, *Zulia pubescens* [Homoptera: Cercopidae]. 5 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.

6348 [CIAT 020; NRRL 52686] DC Peck. Adult, *Zulia colombiana* [Homoptera: Cercopidae]. 7 Apr 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6351 [CIAT 021; NRRL 52684] DC Peck. Adult, *Zulia colombiana* [Homoptera: Cercopidae]. 7 Apr 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6352 [CIAT 022; NRRL 52685] DC Peck. Adult, *Zulia colombiana* [Homoptera: Cercopidae]. 6 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6353 [CIAT 023; NRRL 52691] DC Peck. Adult, *Zulia colombiana* [Homoptera: Cercopidae]. 6 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6354 [CIAT 024; NRRL 52693] DC Peck. Adult, *Zulia colombiana* [Homoptera: Cercopidae]. 6 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6358 [CIAT 028; NRRL 52692] DC Peck. Adult, male, *Zulia colombiana* [Homoptera: Cercopidae]. 18 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6375 [CIAT 040; NRRL 52694] DC Peck. Adult, male, *Zulia pubescens* [Homoptera: Cercopidae]. 12 May 1997. Colombia: El Diamante Farm, San José de Fragua, Caquetá.

6394 B Tunali (11). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 30 Jun 1999. Turkey: Kinkkale, Ankara.

6395 B Tunali (12). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2 Sep 1999. Turkey: Aksaray, Nigde.

6396 B Tunali (16). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 30 Jun 1999. Turkey: Yozgat.

6397 B Tunali (18). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 5 Jul 1999. Turkey: Kinkkale, Ankara.

6398 B Tunali (19). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 8 Sep 1999. Turkey: Aksaray, Nigde.

6400 B Tunali (22). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 27 Aug 1999. Turkey: Aksaray, Nigde.

6401 [NRRL 52722] B Tunali (23). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 23 Jun 1999. Turkey: Bogazliyan, Yozgat.

6402 [NRRL 52723] B Tunali (24). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 23 Jun 1999. Turkey: Yozgat.

6403 [NRRL 52721] B Tunali (25). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 29 Jun 1999. Turkey: Beynam, Ankara.

6409 [NRRL 52716] B Tunali (36). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 5 Jul 1999. Turkey: Aksaray, Nigde.

6410 [NRRL 52720] B Tunali (38). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 5 Jul 1999. Turkey: Beynam, Ankara.

6411 [NRRL 52718] B Tunali (34). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 8 Oct 1999. Turkey: Kollubaba.

6425 [NRRL 52719] B Tunali (17). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 5 Jul 1999. Turkey: Kinkkale, Ankara.

6428 [NRRL 52714] B Tunali (21). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 7 Aug 1999. Turkey: Kirsehir.

6429 B Tunali (39). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 5 Jul 1999. Turkey: Aksaray, Nigde.

6443 [NRRL 52715] KW Cote. *Tetranychus urticae* [Acari: Tetranychidae] on leaves of *Buddleia x davidii*. Acc'd 16 May 2001. USA: greenhouse, VA Tech Hampton Road Research Facility, Virginia Beach, Virginia.

6445 [NRRL 52717] Z G/Tsadik (2 (Wello 23.10.99)). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

6446 [NRRL 52713] Z G/Tsadik (3 (Wello 23.10.99)). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

6447 [NRRL 52707] Z G/Tsadik (Filter paper). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

6450 [NRRL 52711] Z G/Tsadik (2-02/03). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

6451 [NRRL 52712] Z G/Tsadik (3-02/03). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

6452 [NRRL 52710] Z G/Tsadik (5-02/03). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

6453 [NRRL 52708] Z G/Tsadik (5/03-B). Soil. 3 Oct 1999. Ethiopia: Northern Shoa.

6455 [NRRL 52706] Z G/Tsadik (6-02/03). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

6460 [CIAT 045; NRRL 52700] DC Peck. Adult, female, *Mahanarva andigena* [Homoptera: Cercopidae]. 21 Jul 1999. Colombia: El Mira Farm, Tumaco, Nariño.

6461 [CIAT 046; NRRL 52699] DC Peck. Adult, female, *Mahanarva andigena* [Homoptera: Cercopidae]. 21 Jul 1999. Colombia: El Mira Farm, Tumaco, Nariño.

6464 [CIAT 049; NRRL 52695] DC Peck. Adult, female, *Mahanarva andigena* [Homoptera: Cercopidae]. 21 Jul 1999. Colombia: El Mira Farm, Tumaco, Nariño.

6465 [CIAT 050; NRRL 52698] DC Peck. Adult, *Zulia carbonaria* [Homoptera: Cercopidae]. 4 Aug 1999. Colombia: Santander de Quilichao, Cauca.

6572 [NRRL 52704] KW Cote. *Tetranychus urticae* [Acari: Tetranychidae] from laboratory colony. Feb 2000. USA: Virginia Polytechnic Institute and State University, Blacksburg, Virginia.

6576 [CIAT 068; NRRL 52697] DC Peck. Adult, female, *Zulia pubescens* [Homoptera: Cercopidae]. 10 Feb 2000. Colombia: San Antonio Farm, San Pedro, Valle del Cauca.

6587 [NRRL 52705] Morse Enterprises Limited Inc. (LILP #12). Rec'd 21 Sep 2000.

6589 [NRRL 52703] Rec'd 21 Sep 2000.

6590 [NRRL 52702] Acc'd 7 Apr 2003.

6602 [NRRL 52701] FE Vega. *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 28 Sep 2000. Colombia: Caldas.

6649 [NRRL 52696] KU Devi (PIV). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Visakhapatnam, Andhra Pradesh.

6790 [NRRL 52750] FJ Posada (CEFC F-0002). Nymph & adult, *Toxoptera aurantii* [Homoptera: Aphididae] on *Citrus* spp., citrus. May 2000. Colombia: Greenhouse, Chinchiná, Caldas.

6928 Acc'd 13 Apr 2004.

7045 JL Hatting (Field 934). *Chilo sacchariphagus* [Lepidoptera: Pyralidae]. Jun 2002. Mozambique: Mafambisse.

7046 JL Hatting (Field 1012). *Chilo sacchariphagus* [Lepidoptera: Pyralidae]. Jun 2002. Mozambique: Mafambisse.

7063 RA Humber (2A). *Hypothenemus hampei* [Coleoptera: Scolytidae]. 13 Jul 2001. Indonesia: Konaweha, Sulawesi.

7233 G Mikunthan (GM/14). *Aphis gossypii* [Homoptera: Aphididae] on *Capsicum annuum* L., chili pepper. Rec'd 19 Dec 2003. India.

7283 FE Vega (CSL26). Endophyte of *Coffea* sp., coffee. Rec'd 8 Jan 2004. Colombia: Chinchiná, Caldas.

7381 G Mikunthan (GM/15). Larva, *Scirtothrips dorsalis* [Thysanoptera: Thripidae] on *Capsicum annuum* L., chili pepper. 9 Sep 2003. India: University of Agricultural Sciences, Shimoga, Karnataka.

7382 A Majumdar. Pupa, *Tetanops myopaeformis* [Diptera: Ulidiidae]. Rec'd 14 Jul 2004. USA: North Dakota.

7473 [CEP 134; NRRL 52748] C López Lastra. *Triatoma infestans* [Hemiptera: Reduviidae]. 6 Mar 2004. Argentina: La Rioja.

8131 [NRRL 52740] LS Bauer and H Liu (MF-221). Prepupa, *Agrilus planipennis* [Coleoptera: Buprestidae]. 1 Dec 2005. USA: Ann Arbor, Michigan.

8266 [NRRL 52741] RJ Pereault (Walton Spray pci#3). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.

8267 [NRRL 52743] RJ Pereault (Walton Control pci#1). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.

8277 [NRRL 52745] BN Tiwary (IF-1). *Aphis fabae* [Homoptera: Aphididae]. 28 Dec 2005. India: Patna, Bihar.

8278 [NRRL 52747] BN Tiwary (IF-2). *Aphis fabae* [Homoptera: Aphididae]. 28 Dec 2005. India: Patna, Bihar.

8279 [NRRL 52746] BN Tiwary (IF-5). *Ceresa bubalus* [Homoptera: Membracidae]. 28 Nov 2005. India: Patna, Bihar.

8281 [NRRL 52744] BN Tiwary (IF-10). *Tetrix granulata* [Orthoptera: Tetrigidae]. 28 Oct 2005. India: Sitamarhi, Bihar.

8282 [NRRL 52742] BN Tiwary (IF-11). *Sogatella furcifera* [Homoptera: Delphacidae]. 26 Nov 2005. India: Patna, Bihar.

8283 [NRRL 52733] BN Tiwary (IF-12). *Sogatella furcifera* [Homoptera: Delphacidae]. 26 Nov 2005. India: Patna, Bihar.

8285 [NRRL 52738] BN Tiwary (IF-14). *Sogatella furcifera* [Homoptera: Delphacidae]. 26 Nov 2005. India: Patna, Bihar.

8286 [NRRL 52735] BN Tiwary (IF-19). *Tetrix granulata* [Orthoptera: Tetrigidae]. 28 Oct 2005. India: Sitamarhi, Bihar.

8287 [NRRL 52737] BN Tiwary (IF-20). *Aphis fabae* [Homoptera: Aphididae]. 29 Dec 2005. India: Patna, Bihar.

8288 [NRRL 52739] BN Tiwary (SCF-3). Isolated from soil sample. 12 Feb 2006. India: Samar, Sitamarhi, Bihar.

8290 [NRRL 52736] BN Tiwary (SCF-7). Isolated from soil sample. 12 Feb 2006. India: Samar, Sitamarhi, Bihar.

8298 [NRRL 52734] YK Caner (4). Rec'd 22 Aug 2006. Turkey: mah 1, Seyhli, Istanbul.

8299 [NRRL 52726] YK Caner (6). Rec'd 22 Aug 2006. Turkey: Gökçeali, Piraziz, Giresun.

8300 [NRRL 52727] YK Caner (8). Rec'd 22 Aug 2006. Turkey: Koznil.

8301 [NRRL 52729] YK Caner (38). Rec'd 22 Aug 2006. Turkey: Aybasti, Ordu.

8302 [NRRL 52730] YK Caner (40). Rec'd 22 Aug 2006. Turkey: Kayabasi, Ordu.

8303 YK Caner (3). Rec'd 22 Aug 2006. Turkey: Tasdibi, Espiye, Giresun.

8304 [NRRL 52728] YK Caner (16). Rec'd 22 Aug 2006. Turkey: Yagizli, Ordu.

8305 [NRRL 52732] YK Caner (21). Rec'd 22 Aug 2006. Turkey: mah 2, Seyhli, Istanbul.

8306 [NRRL 52731] YK Caner (25). Rec'd 22 Aug 2006. Turkey: 1, Dedeli, Giresun.

8472 WC Luz (eco 46). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8473 WC Luz (eco 66). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8481 WC Luz (eco 110) or (T18). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8482 WC Luz (eco 111) or (T40). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8484 WC Luz (eco 113) or (T40). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8643 YK Caner (2.11). Rec'd 13 Jul 2007. Turkey: Asagi sögütlü - 2, Terme, Samsun.

8644 YK Caner (2.16). Rec'd 13 Jul 2007. Turkey: Tasdibi, Espiye, Giresun.

8645 YK Caner (2.17). Rec'd 13 Jul 2007. Turkey: Asagi sögütlü - 4, Terme, Samsun.

8646 YK Caner (2.18). Rec'd 13 Jul 2007. Turkey: Bulancak, Giresun.

8647 YK Caner (2.19). Rec'd 13 Jul 2007. Turkey: 2, Dedeli, Ordu.

8648 YK Caner (2.20). Rec'd 13 Jul 2007. Turkey: Ulubey, Çarsamba, Samsun.

8649 YK Caner (2.21). Rec'd 13 Jul 2007. Turkey: Taflan, Samsun.

8650 YK Caner (2.29). Rec'd 13 Jul 2007. Turkey: 1, Mesebükü, Ordu.

8651 YK Caner (2.6). Rec'd 13 Jul 2007. Turkey: Yagizli, Ordu.

8652 YK Caner (2.14). Rec'd 13 Jul 2007. Turkey: Koldere, Çarsamba, Samsun.

9273 Z Demirbag and E Tanyeli (Dm-7). *Dendroctonus micans* [Coleoptera: Scolytidae]. 20 Jun 2009. Turkey: Maçka-Zigana, Trabzon.

9274 Z Demirbag and E Tanyeli (Dm-8). *Dendroctonus micans* [Coleoptera: Scolytidae]. 20 Jun 2009. Turkey: Maçka-Zigana, Trabzon.

9377 JG Banu (3). *Phenacoccus solenopsis* [Homoptera: Pseudococcidae]. Aug 2008. India: Allappalayam, Coimbatore, Tamil Nadu.

9937 [ERL 1782] S Gouli (Thr.-09-14) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.

10311 [ERL 1956] S Gouli and V Gouli (SB-10-3). *Halyomorpha halys* [Hemiptera: Pentatomidae]. Oct 2010. USA: New Jersey.

10312 [ERL 1957] S Gouli (SB-10-4) and V Gouli. *Halyomorpha halys* [Hemiptera: Pentatomidae]. Sep 2010. USA: New Jersey.

10313 [ERL 1958] S Gouli and V Gouli (SB-10-5). *Halyomorpha halys* [Hemiptera: Pentatomidae]. Oct 2010. USA: New Jersey.

10388 [ERL 1961] S Gouli (SB-10-8) and V Gouli. *Halyomorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.

10389 [ERL 1962] S Gouli and V Gouli (SB-10-9). *Halyomorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.

10390 [ERL 1963] S Gouli (SB-10-10) and V Gouli. *Halyomorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.

10391 [ERL 1964] S Gouli and V Gouli (SB-10-11). *Halyomorpha halys* [Hemiptera: Pentatomidae]. 2010. USA: New Jersey.

10470 NB Murray (5.1.B). Adult, *Epiphyas postvittana* [Lepidoptera: Tortricidae] on *Myrica californica* Chamisso, Pacific wax-myrtle. Rec'd 26 Nov 2010. USA: Santa Cruz County, California.

Fusarium acuminatum Ellis & Everhart
[Sordariomycetes: Hypocreales]
Nectriaceae

3218 [NRRL 25124; UAMH 6730] MS Goettel (2B-A). [Orthoptera: Acrididae]. 17 Jul 1990. Mali: Mordiah.

Fusarium avenaceum (Fries) Saccardo
[Sordariomycetes: Hypocreales]
Nectriaceae

2060 [NRRL 25125] GC Carroll (2(HO-O-Hatch IV)). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Fusarium coccophilum (Desmazieres) Wollenweber & Reinking
[Sordariomycetes: Hypocreales]
Nectriaceae

821 [NRRL 25126] GG Soares (1). *Melanaspis obscura* [Homoptera: Diaspididae]. Acc'd Winter 1983. USA: Washington, District of Columbia.

2098 [NRRL 25127] DG Holdom (180186). *Lepidosaphes* sp. [Homoptera: Diaspididae]. 18 Jan 1986. Indonesia: "Jeruk Siam" Plantation, Sukamundi, Jawa Barat, Java.

7409 M Liu (ml173). [Homoptera: Coccoidea] on *Citrus* sp., citrus. 16 Dec 2003. USA: Guilarte, Route 518, beside school, Adjuntas, Puerto Rico.

Fusarium lateritium Nees:Fries
[Sordariomycetes: Hypocreales]
Nectriaceae

1331 [ARSEF 1416; NRRL 25128] S Balazy (1437). Adult, [Hymenoptera: Ichneumonidae] in coniferous forest undergrowth. 1 Sep 1981. Poland: Wielkopolski National Park.

1416 [ARSEF 1331; NRRL 25129] S Balazy (1437). Adult, [Hymenoptera: Ichneumonidae] in coniferous forest undergrowth. 1 Sep 1981. Poland: Wielkopolski National Park.

2304 [NRRL 52765; PSU L-237] JE Moxon (3). *Heteropsylla cubana* [Homoptera: Psyllidae]. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

8291 [MTCC 9050] BN Tiwary (SCF-8). Isolated from soil sample. 12 Feb 2006. India: Samar, Sitamarhi, Bihar.

Fusarium merismoides Corda
[Sordariomycetes: Hypocreales]
Nectriaceae

2059 [NRRL 25130] GC Carroll (B). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Fusarium moniliforme Sheldon
[Sordaroimycetes: Hypocreales]
Nectriaceae

2074 [NRRL 25028] H David. *Melanaspis glomerata* [Homoptera: Diaspididae]. Acc'd 10 Jan 1986. India: Sugarcane Breeding Institute, Coimbatore, Tamil Nadu.

Fusarium moniliforme* var. *intermedium Neish & Leggett
[Sordariomycetes: Hypocreales]
Nectriaceae

3223 [IMI 330803; NRRL 25029] DW Roberts ← PR Srinivas. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd 22 Mar 1991. India.

Fusarium niveum(?) E.F. Sm.
[Sordariomycetes: Hypocreales]
Nectriaceae

10227 JG Banu (L.l.-1). Rec'd 30 Jul 2010.

Fusarium nygamai Burgess & Trimboli
[Sordariomycetes: Hypocreales]
Nectriaceae

2316 [NRRL 25030; PSU M-3959] VS Bhatnagar. *Raghuva albipunctella* [Lepidoptera: Noctuidae]. 8 Oct 1986. Senegal: Kaolack.

Fusarium oxysporum Schlechtendahl
[Sordariomycetes: Hypocreales]
Nectriaceae

1371 [NRRL 25131] TJ Poprawski (83-11). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. 24 Aug 1983. Canada: L'Acadie, Québec.

2311 [PSU S-1145] JE Moxon (12). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

4963 [NRRL 52724] N Viaene (20). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae] soil. 25 Sep 1992. USA: Sheldon onion fields, Oswego, New York.

4964 [NRRL 52751] N Viaene (24). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae]. 16 Apr 1993. USA: greenhouse nematode culture, New York.

10226 JG Banu (B.b.-1). Rec'd 30 Jul 2010.

Fusarium oxysporum(?) Schlechtendahl
[Sordariomycetes: Hypocreales]
Nectriaceae

6355 [CIAT 025; NRRL 52690] DC Peck. Adult, *Zulia colombiana* [Homoptera: Cercopidae]. 6 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6622 [NRRL 52749] Acc'd 21 May 2003.

Fusarium polyphialidicum Marasas, Nelson, Toussoun & van Wyk
[Sordariomycetes: Hypocreales]
Nectriaceae

3692 [NRRL 25529] AE Hajek (114). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 7 Jun 1991. USA: nr. Freese Rd., Ithaca, New York.

3693 [NRRL 25530] AE Hajek (325). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jun 1991. USA: nr. Birchwood So., Ithaca, New York.

3694 [NRRL 25531] AE Hajek (E.M.F. #3) or (325) ← J Boettner. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Oct 1991. USA: ., Holyoke Range, Massachusetts.

3695 [NRRL 25532] AE Hajek (11). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 21 Jun 1991. USA: Weakley Hollow, Madison County, Virginia.

3696 [NRRL 25533] AE Hajek (26). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: nr. C & O Canal, Allegany County, Maryland.

3916 [NRRL 52759] AE Hajek (92-165). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jul 1992. USA: State Game Land #203, Allegheny County, Pennsylvania.

Fusarium semitectum Berkeley ex Ravanel
[Sordariomycetes: Hypocreales]
Nectriaceae

2053 [NRRL 25202] MC Rombach (071185-3) ← SB Ahn (E1-7 & E1-5). *Nilaparvata lugens* [Homoptera: Delphacidae] on rice. 1985. Republic of Korea. Appreciable source of beauvericin (Gupta, Krasnoff, Underwood, Renwick, and Roberts. 1991. Mycopathologia 115: 185-189. Isolation of beauvericin as an insect toxin from Fusarium semitectum and Fusarium moniliforme var. subglutinans).

2299 [NRRL 25134; PSU R-8540] M Holderness ← JE Moxon (CCR14-4). *Heteropsylla incisa* [Homoptera: Psyllidae] on *Leucaena leucocephala*. Sep 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

2300 [NRRL 25135; PSU R-8541] M Holderness ← JE Moxon (CCR15-6). *Heteropsylla incisa* [Homoptera: Psyllidae] on *Leucaena leucocephala*. Sep 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

Fusarium solani (Martius) Saccardo
[Sordariomycetes: Hypocreales]
Nectriaceae

1148 TJ Poprawski (83-06). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. 24 Aug 1983. Canada: L'Acadie, Québec.

2312 [NRRL 25136; PSU S-1146] JE Moxon (15). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

2313 [NRRL 25137; PSU S-1147] JE Moxon (16). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

2314 [NRRL 25138; PSU S-1148] JE Moxon (17). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

Fusarium subglutinans (Wollenweber & Reinking) Nelson, Tousson & Marasas
[Sordariomycetes: Hypocreales]
Nectriaceae

2141 [NRRL 25031] H David (1). *Scirpophaga excerptalis* [Lepidoptera: Pyralidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu. Appreciable source of beauvericin (Gupta, Krasnoff, Underwood, Renwick, and Roberts. 1991. Mycopathologia 115: 185-189. Isolation of beauvericin as an insect toxin from Fusarium semitectum and Fusarium moniliforme var. subglutinans).

2142 [NRRL 25139] H David (3). *Chilo sacchariphagus indicus* [Lepidoptera: Pyralidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu.

2143 [NRRL 25032] H David (8). *Pyrilla perpusilla* [Hemiptera: Lophopidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu.

2144 [NRRL 25140] H David (9). *Pyrilla perpusilla* [Hemiptera: Lophopidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu.

2145 [NRRL 25033] H David (10). *Pulvinaria elongata* [Homoptera: Coccidae]. Acc'd 2 Apr 1986. India: Coimbatore, Tamil Nadu.

2301 [NRRL 25034; PSU M-3856] M Holderness ← JE Moxon (CCR16-6). *Heteropsylla incisa* [Homoptera: Psyllidae]. Sep 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

Fusarium torulosum (Berkeley & MA Curtis) Nirenberg
[Sordariomycetes: Hypocreales]
Nectriaceae. Major synonym: *Fusarium sambucinum* Fuckel

3483 [NRRL 25132, 52755] AE Hajek ← VC Mastro. 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 30 May 1991. USA: St. Paul's Church, Vesuvius, Virginia.

Gamsylella gephyropaga (Drechsler) Scholler, Hagedorn & Rubner
[Orbiliomycetes: Orbiliales]
Orbiliaceae. Synonym: *Monacrosporium gephyropagum* (Drechsler) Subramanian

4817 [CBS 308.94] A Rubner (AR 9225). From soil. 1989. Spain: Montana Ayara, Tenerife, Canary Islands.

Gamsylella lobata (Duddington) Scholler, Hagedorn & Rubner
[Orbiliomycetes: Orbiliales]
Orbiliaceae. Synonyms: *Dactylella lobata* Duddington; *Monacrosporium lobatum* (Duddington) A. Rubner

4811 [CBS 329.94] A Rubner (AR 9340). From rabbit dung. Oct 1993. Germany: Grunewald, Berlin.

Geniculifera paucispora (Rifai & Cooke) Rifai
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4941 BA Jaffee (AN144). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994. Laboratory manipulation.

Geotrichum sp.
[Saccharomycetes: Saccaromycetales]
Dipodascaceae

2752 GW Riethmacher (A1). *Plutella xylostella* [Lepidoptera: Plutellidae]. 14 Mar 1989. Philippines: La Trinidad, Benguet. Arthroconidial hyphomycete.

***Geotrichum (?)* sp.**
[Saccharomycetes: Saccharomycetales]
Dipodascaceae

5823 BL Parker (AT 79/2). *Adelges tsugae* [Homoptera: Adelgidae]. 17 Aug 1997. USA: Forest Park, Massachusetts.

Gibellula clavulifera* var. *alba Rombach & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae. *Gibellula* cultures are either sterile or produce no conidiogenous apparatus characteristic of this genus as found on infected spiders.

1909 MC Rombach (9(int.myc.)). *Euophrys ?trivittata* [Araneida: Salticidae] on cacao. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

Gibellula pulchra (Saccardo) Cavara
[Sordariomycetes: Hypocreales]
Cordycipitaceae. *Gibellula* cultures are either sterile or produce no conidiogenous apparatus characteristic of this genus as found on infected spiders.

1732 MC Rombach (Gib-Gam). [Araneida]. 13 Nov 1984. Sri Lanka: Hemeratgoda Botanical Garden, Gampaha.

Gibellula sp.
[Sordariomycetes: Hypocreales]
Cordycipitaceae. *Gibellula* cultures are either sterile or produce no conidiogenous apparatus characteristic of this genus as found on infected spiders.

569 RS Soper (81223-1). [Araneida]. 23 Feb 1981. Indonesia: Bangun Village, Kecamatan Tanjung, Deliserdang District, Sumatera Utara, Sumatra.

570 RS Soper (81228-1). [Araneida]. 28 Feb 1981. Indonesia: NW of Denpasar, Kabupaten Tabanan, Subak Kota Bongan, Bali.

1669 G Riba (C-37). [Araneida]. Acc'd 29 Oct 1984. France.

7387 M Liu (ml181). 16 Dec 2003. USA: Guilarte, Route 388 trail, Adjuntas, Puerto Rico.

7709 P Chaverri (PC 472). 5 Jan 2004.

8927 [ERL 1543d] VS Gouli (SD-1b). [Araneida]. 2006. USA: New York.

***Gliocladium* sp.**
[Sordariomycetes: Hypocreales]

5175 S Gouli (GP-18). Rec'd 14 May 1996. Location not specified.

6632 JL Hatting. [Lepidoptera: Sesiidae] on *Aspalathus contaminatus*, Rooibos tea. Rec'd 27 Sep 2000. South Africa: Western Cape, Cape Province.

8467 WC Luz (eco 25). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

Gliocladium roseum (Link:Fries) Thom
[Sordariomycetes: Hypocreales]

3001 SV Krueger (MF-S). Soil. Feb 1990. USA: Geneva, New York.

***Gliocladium(?)* sp.**
[Sordariomycetes: Hypocreales]

6579 G Sewify (1). *Icerya purchasi* [Homoptera: Margarodidae]. May 2000. Egypt.

6583 G Sewify (5). *Icerya purchasi* [Homoptera: Margarodidae]. May 2000. Egypt.

6896 E Zhioua (Tick #2). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd May 2001.

Haptocillium balanoides (Drechsler) Zare & Gams
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Major syonym: *Verticillium balanoides* (Drechsler) Dowsett, Reid & Hopkin

2483 [ATCC 46576; DAOM 185098] UAMH (5256) ← JA Dowsett. Phylum Nemata, Class Secernentea. Acc'd 1 Dec 1987. Canada: Manitoba.

3173 P Timper. *Aphelenchoides* sp. [Aphelenchida: Aphelenchoididae]. Rec'd 5 Nov 1991. USA: potato field, Long Island, New York.

3350 P Timper ← BA Jaffee. Phylum Nemata, Class Secernentea. Rec'd 19 Jun 1991. USA: California.

5617 SL Glockling (K1). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Haptocillium sinense (KG Zhang, L Cao & ZQ Liang) Zare & Gams
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Major syonym: *Verticillium sinense* KG Zhang, L Cao & ZQ Liang

5618 [CBS 101431] SL Glockling (RT). Phylum Nemata from rotten tubers. 28 Jun 1995. Japan: Ibaraki, Ibaraki Prefecture.

Harpellales, genus undetermined
[Kickxellomycotina: Harpellales]

9064 RW Lichtwardt (ALG-13-W1). [Trichoptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

9089 RW Lichtwardt (AS-42-1). *Corynoneura* sp. [Diptera: Chironomidae]. Jan 1998. New Zealand: South Island.

Harposporium anguillulae Lohde
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

4954 N Viaene (1). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae] soil. 25 Sep 1992. USA: Dutch Ridge Road, Oswego, New York.

5407 KT Hodge (1). Phylum Nemata Mixed soils from various apple orchards. Summer 1996. USA: Wayne County, New York.

5408 KT Hodge (A). Phylum Nemata Mixed soils from various apple orchards. Summer 1996. USA: Wayne County, New York.

5409 KT Hodge (B). Phylum Nemata Mixed soils from various apple orchards. Summer 1996. USA: Wayne County, New York.

5593 SL Glockling (CGa). Phylum Nemata from grass cuttings. 10 Jan 1997. Japan: Ibaraki, Ibaraki Prefecture.

5594 SL Glockling (RSa). Phylum Nemata from rotten stems. 21 Jul 1995. Japan: Ibaraki, Ibaraki Prefecture.

5595 SL Glockling (MA). Phylum Nemata from mud under rotten *Allium* . 18 Jan 1996. Japan: Amami Islands.

5659 SL Glockling. Phylum Nemata from rabbit dung. 1 Sep 1995. Japan: Amami Islands.

Harposporium arcuatum GL Barron
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5596 SL Glockling (VEG). Phylum Nemata from decaying vegetation. 22 Nov 1996. Japan: Ibaraki, Ibaraki Prefecture.

5597 SL Glockling (PA). Phylum Nemata from decaying vegetation. 9 May 1996. Japan: Ibaraki, Ibaraki Prefecture.

5598 SL Glockling (Drain). Phylum Nemata from drain. 20 Jun 1996. Japan: Ibaraki, Ibaraki Prefecture.

Harposporium botuliforme GL Barron
[Sordariomycetes: Hypocreales]

10275 CG Wilson (mg40). *Adineta vaga* [Bdelloida: Adinetidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Harposporium bysmatosporum Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5656 SL Glockling. Phylum Nemata from cow manure. 11 Nov 1997. United Kingdom.

Harposporium cerberi W Gams, KT Hodge & Viaene
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5123 [ATCC 201113; CBS 600.92] H Velvis (EP 26). Phylum Nemata, Class Secernentea. 1992. Netherlands: soil under grassland, Finsterwolde. Culture ex type. Holotype specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 63892.

Harposporium cocleatum Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

9382 CG Wilson (io4). 12 May 2009. USA: Cornell Lab of Ornithology, Ithaca, New York.

Harposporium cycloides Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5599 SL Glockling (N3). Phylum Nemata from soil and dung. 12 May 1995. Japan: Ibaraki, Ibaraki Prefecture.

5600 SL Glockling (K2a). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Harposporium dicorymbum Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5658 SL Glockling. Phylum Nemata from grass cuttings. 10 Jan 1997. Japan.

Harposporium helicoides Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5354 [ATCC 18766; CBS 944.70] GL Barron (No. 10773). Phylum Nemata. Rec'd 24 Oct 1996. Canada.

Harposporium janus Shimazu & Glockling
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5601 SL Glockling. Larva, [Coleoptera: Cerambycidae] on tree trunk. Rec'd 2 Dec 1997. Japan.

Harposporium leptospira Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5602 SL Glockling (AL). Phylum Nemata from *Allium* leaves. 16 Oct 1995. Japan: Ibaraki, Ibaraki Prefecture.

5603 SL Glockling (A2). Phylum Nemata from rabbit dung. 1 Sep 1995. Japan: Amami Islands.

Harposporium lilliputanum S.M. Dixon
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5604 SL Glockling (DC). Phylum Nemata from decayed chestnuts. 8 Jun 1995. Japan: Ibaraki, Ibaraki Prefecture.

8425 ME Smith (Harpo3). Phylum Nemata collected from soil. 22 May 2006. USA: UC Davis Bodega Marine Reserve, Bodega Bay, California.

Harposporium microsporum Glockling
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

8424 ME Smith (Harpo1). Phylum Nemata collected from soil. 25 May 2006. USA: UC Davis Bodega Marine Reserve, Bodega Bay, California.

Harposporium oxycoracum Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

8426 ME Smith (Harpo4). Phylum Nemata collected from soil. 22 May 2006. USA: UC Davis Bodega Marine Reserve, Bodega Bay, California.

Harposporium sp.
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5410 KT Hodge ← GJ Samuels (GJS 96-242). Host unknown on log. 6 May 1996. Costa Rica: Los Alturas Biological Station, Parque Internacional La Armistad. Anamorph of *Cordyceps* sp. Produces arthrosporic and *Hirsutella* synanamorphs. Capable of parasitizing *Rhabditis* sp. [Nemata] in vitro. Specimen accessioned as BPI 749196 (S.M. Huhndorf 2243A).

Harposporium spirosporum GL Barron
[Sordariomycetes: Hypocreales]

8821 CG Wilson (db2). *Habrotrocha elusa* [Bdelloida: Habrotrochidae]. 16 Jun 2008. USA: Cornell University, Plant Science greenhouse, Ithaca, New York.

10271 CG Wilson (mg38). *Habrotrocha elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Harposporium subuliforme Drechsler
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5605 SL Glockling (E). Phylum Nemata from soil. 25 Feb 1997. Japan: Ibaraki, Ibaraki Prefecture.

5657 SL Glockling. Phylum Nemata from cow manure. 11 Nov 1997. United Kingdom.

Hirsutella sp.

[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Strains listed here have not been satisfactorily identified to species largely due to the lack of adequate taxonomic information for the majority of species in this large and important genus. *Hirsutella* is a known or possible synanamorph for many other hyphomycete entomopathogens with teleomorphs classified in the Clavicipitaceae (Pyrenomycetes: Clavicipitaceae).

568 RS Soper (81225-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 25 Feb 1981. Indonesia: Salek I Village, Muba District, Sumatera Selatan, Sumatra.

970 [GCRI 45-81] RA Hall. *Abacarus hystrix* [Acari: Eriophyidae]. Acc'd 17 Oct 1983. United Kingdom: England.

1096 [ARSEF ?1256; IRRI 4A] RM Aguda. *Nilaparvata lugens* [Homoptera: Delphacidae]. 17 Oct 1983. Philippines: IRRI, Los Baños, Manila.

1551 MC Rombach (H.sep.) ← AT Barrion. *Sepedon sphegeus* [Diptera: Sciomyzidae] on rice. 21 Jun 1984. Philippines: Brooke's Point region, Palawan.

1625 SG Wraight and SP Wraight. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1668 MS McClure. *Nuculaspis tsugae* [Homoptera: Diaspididae] on *Tsuga sieboldii*. 17 May 1984. Japan: 1200 m, Mt. Odai-ga-hara, Nara Prefecture.

2208 MC Rombach (030786-2) ← AT Barrion. *Cyrtorhinus lividipennis* [Hemiptera: Miridae] on rice leaf. 1 Jul 1986. Philippines: nr. Bo. Looc, Villanueva, Misamis Oriental.

2209 MC Rombach (070786-5). *Cyrtorhinus lividipennis* [Hemiptera: Miridae] on rice leaf. 7 Jul 1986. Philippines: nr. Bo. Looc, Villanueva, Misamis Oriental.

2581 DD Strongman (1). [Lepidoptera]. Acc'd 9 Aug 1988. Canada.

2644 [CNPAF 88-07-16-4; CP 256] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2645 [CNPAF 88-07-16-5; CP 257] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2646 [CNPAF 88-07-16-6; CP 258] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2647 [CNPAF 88-07-16-7; CP 259] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2648 [CNPAF 88-07-16-9; CP 260] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2649 [ARSEF 2992; CNPAF 88-07-16-10; CP 261] DW Roberts ← EC de Moura (H-10), E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2650 [ARSEF 2993; CNPAF 88-07-16-11; CP 262] DW Roberts ← EC de Moura (H-11), E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2651 [CNPAF 88-07-16-12; CP 263] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2652 [CNPAF 88-07-16-13; CP 264] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2653 [CNPAF 88-07-16-14; CP 265] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2654 [CNPAF 88-07-16-15; CP 266] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2655 [CNPAF 88-07-16-16; CP 267] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2656 [CNPAF 88-07-16-17; CP 268] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2657 [CNPAF 88-07-16-18; CP 269] DW Roberts ← EC de Moura, E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

2795 BA Jaffee (Hr79a). [Acari]. 3 Jul 1989. USA: Yolo County, California.

2796 BA Jaffee (Hr79b). [Acari]. 3 Jul 1989. USA: Yolo County, California.

2797 BA Jaffee (Hr79c). [Acari]. 3 Jul 1989. USA: Yolo County, California.

2798 BA Jaffee (Hr79d). [Acari]. 3 Jul 1989. USA: Yolo County, California.

2799 [IMI 307969] BA Jaffee (Hr58). [Collembola]. 10 Jun 1986. USA: Livingston, California.

2801 BA Jaffee (Hr63). [Acari]. 24 Sep 1986. USA: Livingston, California.

2802 BA Jaffee (Hr65). [Acari]. 8 Nov 1986. USA: Livingston, California.

2803 BA Jaffee (H69). [Acari]. 22 Apr 1988. USA: Livingston, California.

2939 M Skinner (Ch, BG and 60(5WM)) ← JF Yuill. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Sep 1989. USA: Buel's Grove, Chittenden County, Vermont.

2940 M Skinner (Ch, BG and 61(8WM)) ← JF Yuill. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Sep 1989. USA: Buel's Grove, Chittenden County, Vermont.

2992 [ARSEF 2649; CNPAF 88-07-16-10; CP 261] L Allee ← EC de Moura (H-10), E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

3266 M Brownbridge (P). Brown larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 12 Dec 1990. USA: Hamden, Connecticut.

3318 M Brownbridge (Perry 1). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. USA: Perry's sugar maple stand, Orange County, Vermont.

3546 M Brownbridge (R-4). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 20 Nov 1991. USA: Laggis' sugar maple stand, Caledonia County, Vermont.

3548 M Brownbridge (R-9). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 20 Nov 1991. USA: Perry's sugar maple stand, Orange County, Vermont.

3553 M Brownbridge (R-15). Yellow mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Rowe's sugar maple stand, Caledonia County, Vermont.

4193 LA Lacey (94023). *Thrips palmi* [Thysanoptera: Thripidae]. Rec'd 12 May 1994. Trinidad and Tobago.

4511 [IIBC IMI337439] HC Evans (IMI337439) ← C Prior. [Homoptera]. 1990. Trinidad.

4513 [IIBC I88-370] HC Evans (I88-370). *Liothrips mikaniae* [Thysanoptera: Phlaeothripidae] Mikania micrantha. Feb 1988. Trinidad.

4514 [IIBC I88-399] HC Evans (I88-399). *Liothrips mikaniae* [Thysanoptera: Phlaeothripidae] Mikania micrantha. Jul 1988. Trinidad.

4515 [IIBC I88-375] HC Evans (I88-375). *Lydda* sp. [Homoptera: Derbidae] Coconut. Feb 1988. Tanzania.

4776 [DAT 503] AC Rath (F503) ← U Gerson (CAB252317). Host not specified. 7 Jun 1993. Israel.

7346 M Liu. 11 Aug 2003. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67386.

7578 RM Pereira (SiCMAVE 4-Cell). Adult worker, *Solenopsis invicta* [Hymenoptera: Formicidae]. 25 Nov 2003. USA: USDA ARS CMAVE, Gainesville, Florida.

8378 AV Toledo. Adult, *Oliarus dimidiatus* [Homoptera: Cixiidae] on *Amaranthus quitensis* Kunth bordering rice field. 14 Feb 2007. Argentina: Los Hornos, Buenos Aires.

8722 Acc'd May 2008.

8999 M Pava-Ripoll (HMG). *Abacarus hystrix* [Acari: Eriophyidae]. 3 Apr 2009. USA: University of Maryland Plant Research Farm USGS, Beltsville, Maryland.

9605 H Cortez Madrigal. *Diaphorina citri* [Homoptera: Psyllidae]. Rec'd 5 Mar 2010. Mexico: Mérida, Yucatán.

9606 H Cortez Madrigal (3). *Diaphorina citri* [Homoptera: Psyllidae] on *Murraya paniculata* (L.) Jack, limonaria. Rec'd 5 Mar 2010. Mexico: Mérida, Yucatán.

Hirsutella bogoriensis (nom. prov.)
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Provisional name for unpublished new species.

2187 MC Rombach (220386-1). 22 Mar 1986. Republic of Korea.

Hirsutella brownorum Minter & Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

3509 P Timper. [Acari] in soil. Rec'd 13 Dec 1991. USA: nr. Portageville, Wyoming County, New York.

Hirsutella citriformis Speare
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

490 RS Soper. *Nilaparvata lugens* [Homoptera: Delphacidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

532 DW Roberts (82180-2a). *Nilaparvata lugens* [Homoptera: Delphacidae]. 21 Aug 1980. Indonesia: Tanjungkarang, Lampung, Sumatra.

591 RS Soper (81226-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 26 Feb 1981. Indonesia: Bantul District, Yogyakarta, Java.

684 DW Roberts (102981-2). *Nilaparvata lugens* [Homoptera: Delphacidae]. 29 Oct 1981. Philippines: Los Baños, Manila.

1035 [ARSEF 1446] CBS (418.82). *Myndus crudus* [Homoptera: Cixiidae]. 1979. USA: Fort Pierce, Florida.

1036 CBS (912.70) ← E Müller-Kögler ← SL Valencia. *Nilaparvata lugens* [Homoptera: Delphacidae] on rice. Nov 1970. Philippines: IRRI, Los Baños, Manila.

1062 [IRRI 10B] RM Aguda. *Nilaparvata lugens* [Homoptera: Delphacidae]. Oct 1983. Philippines: IRRI, Los Baños, Manila.

1063 [IRRI 10A] RM Aguda. *Nilaparvata lugens* [Homoptera: Delphacidae]. Oct 1983. Philippines: IRRI, Los Baños, Manila.

1064 [IRRI GA] RM Aguda. *Nilaparvata lugens* [Homoptera: Delphacidae]. Oct 1983. Philippines: IRRI, Los Baños, Manila.

1243 [IRRI 1A] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1244 [IRRI 1B] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1245 [IRRI 1C] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1246 [IRRI 2D] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1249 [IRRI 2J] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1251 [IRRI 3C(2)] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1252 [IRRI 3F] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1253 [IRRI 3G] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1254 [IRRI 4B(a)] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1255 [IRRI 4B] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1256 [ARSEF ?1096; IRRI 4A] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1257 [IRRI 4C] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1258 [IRRI 5B] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1259 [IRRI 5C] MC Rombach ← DW Roberts. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd Mar 1984. Philippines.

1436 MC Rombach (10B). *Nilaparvata lugens* [Homoptera: Delphacidae]. 1984. Philippines: IRRI field, Los Baños, Manila.

1446 [ARSEF 1035; CBS 418.82] MC Rombach. *Myndus crudus* [Homoptera: Cixiidae]. 1979. USA: Fort Pierce, Florida.

1549 MC Rombach (H.min.) ← BM Shepard. *Nilaparvata lugens* [Homoptera: Delphacidae] on rice. Jun 1984. Philippines: Mindanao.

1550 MC Rombach (H.Pal.). *Nilaparvata lugens* [Homoptera: Delphacidae] on rice. Jun 1984. Philippines: Brooke's Point region, Palawan.

1837 DW Roberts (H.citrif) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 2 Nov 1984. Sri Lanka: greenhouse colony, Central Agricultural Research Institution, Gannoruwa (Peradeniya).

1913 DW Roberts (040485-6). *Nilaparvata lugens* [Homoptera: Delphacidae]. 4 Apr 1985. Solomon Islands: nr. Honiara, Guadalcanal.

1917 DG Holdom (10). *Nilaparvata lugens* [Homoptera: Delphacidae]. 7 Mar 1985. Indonesia: nr. Jakarta, Jawa Barat, Java.

1918 DG Holdom (11). *Nilaparvata lugens* [Homoptera: Delphacidae]. 7 Mar 1985. Indonesia: nr. Jakarta, Jawa Barat, Java.

1919 DG Holdom (12). *Nilaparvata lugens* [Homoptera: Delphacidae]. 7 Mar 1985. Indonesia: nr. Jakarta, Jawa Barat, Java.

2099 DG Holdom (280186-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2100 DG Holdom (280186-2). *Nilaparvata lugens* [Homoptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2101 DG Holdom (280186-3). *Nilaparvata lugens* [Homoptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2102 DG Holdom (280186-4). *Nilaparvata lugens* [Homoptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2103 DG Holdom (280186-5). *Nilaparvata lugens* [Homoptera: Delphacidae]. 28 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2346 [ARSEF 2388 (never frozen)] MC Rombach (111286-4). *Nilaparvata lugens* [Homoptera: Delphacidae] on rice. 11 Dec 1986. Indonesia: nr. Klaten, Jawa Tengah, Java.

2347 [ARSEF 2389 (never frozen)] MC Rombach (181286-1B). *Heteropsylla cubana* [Homoptera: Psyllidae]. 18 Dec 1986. Philippines: Leyte.

2420 DG Holdom (050187-1) ← D Djuriadi. *Nilaparvata lugens* [Homoptera: Delphacidae]. 5 Jan 1987. Indonesia: Purwakerto, Jawa Barat, Java.

2422 DG Holdom (310187-4) ← D Djuriadi. *Nilaparvata lugens* [Homoptera: Delphacidae]. 31 Jan 1987. Indonesia: Purwakerto, Jawa Barat, Java.

2423 DG Holdom (310187-5) ← D Djuriadi. *Nilaparvata lugens* [Homoptera: Delphacidae]. 31 Jan 1987. Indonesia: Purwakerto, Jawa Barat, Java.

2426 DG Holdom (080287-3). *Nilaparvata lugens* [Homoptera: Delphacidae]. 8 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2428 DG Holdom (170287-1). Nymph, [Homoptera: Delphacidae]. 17 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2598 MC Rombach ← LT Villacarlos. *Heteropsylla cubana* [Homoptera: Psyllidae]. 1987. Philippines: Visayas, Leyte.

8315 JM Meyer. Adult, *Diaphorina citri* [Homoptera: Psyllidae] on orange and grapefruit trees. Oct 2005. USA: Polk County, Florida.

8677 AV Toledo (HC063). Adult, *Heterocaecilius* sp. [Psocoptera: Pseudocaeciliidae] on *Ligustrum lucidum* W.T. Aiton (Oleaceae). 24 Sep 2007. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS:** *contact Curator*.

8678 AV Toledo (HC064). Adult, *Heterocaecilius* sp. [Psocoptera: Pseudocaeciliidae] on *Ligustrum lucidum* W.T. Aiton (Oleaceae). 24 Sep 2007. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS:** *contact Curator*.

8679 AV Toledo (HC065). Nymph, *Ectopsocus* sp. [Psocoptera: Ectopsocidae] on *Ligustrum lucidum* W.T. Aiton (Oleaceae). 24 Sep 2007. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS:** *contact Curator*.

9180 DG Boucias. Adult, *Diaphorina citri* [Homoptera: Psyllidae]. Jul 2008. USA: Immokalee, Florida.

Hirsutella cryptosclerotium Fernández-García, HC Evans & Samson
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

4517 [IIBC I91-602] HC Evans (I91-602). *Rastrococcus invadens* [Homoptera: Pseudococcidae]. Mar 1991. Togo.

Hirsutella fusiformis Speare
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5474 [ATCC 32804; CBS 205.33] *Brachyderes incanus* [Coleoptera: Curculionidae]. Rec'd 13 May 1997. Netherlands.

Hirsutella gigantea Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

30 RS Soper ← DE Leonard. [Hymenoptera: Pamphiliidae]. 24 Jun 1974. USA: Vanceboro, Maine.

Hirsutella guyana Minter & Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

878 [CNPAF 83-04-13-2L; CP 108] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 13 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.

879 [CNPAF 83-04-13-2P; CP 109] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 13 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.

881 [CNPAF 83-04-13-2M; CP 111] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 13 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.

882 [CNPAF 83-04-13-Q; CP 112] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 13 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.

883 [CNPAF 83-04-21-1J; CP 113] BP Magalhães and DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 21 Apr 1983. Brazil: Goianinha, Rio Grande do Norte.

2352 [ARSEF 2387] MC Rombach (201286-2). [Homoptera: Cicadellidae] on *Maoutia* sp. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.

2387 [ARSEF 2352] MC Rombach (201286-2). [Homoptera: Cicadellidae] on *Maoutia* sp. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.

2993 [ARSEF 2650; CNPAF 88-07-16-11; CP 262] L Allee ← EC de Moura (H-11), E Dias Quintela and SM dos Santos. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 16 Jul 1988. Brazil: Caucaia, Ceará.

Hirsutella haptospora Balazy & Wisniewski
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

2226 S Balazy (1765). [Acari: Uropodina] in an ant hill. Acc'd 4 Sep 1986. Poland: Jarocin, Kalisz.

Hirsutella homalodiscae
[Sordariomycetes: Hypocreales]

10228 DG Boucias. Rec'd 21 Sep 2010.

10229 DG Boucias. Rec'd 21 Sep 2010.

Hirsutella homalodiscae(?)
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

10133 [ERL 1793] S Gouli (Thr.-10-32) and V Gouli. Isolated from small invertebrate collected from soil. 2010. USA: Orford, New Hampshire.

10134 [ERL 1794] S Gouli and V Gouli (Thr.-10-33). Isolated from small invertebrate collected from soil. 2010. USA: Westfield, Vermont.

Hirsutella illustris Minter & Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5539 I Rong (PPRI 6407). *Eriosoma lanigerum* [Homoptera: Aphididae] associated with the roots of apple trees. 22 Jul 1997. South Africa: Maltino, Western Cape Province.

Hirsutella kirchneri (Rostrup) Minter, Brady & Hall
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5550 [IMI 257456] [Acari] on *Lolium perenne* ex IMI 252317. 1981. United Kingdom.

5551 [IMI 251526] *Abacarus hystrix* [Acari: Eriophyidae] on *Lolium perenne*. 1981. United Kingdom.

Hirsutella lecaniicola (Jaap) Petch
[Sordariomycetes: Hypocreales]

8888 [ERL 1537] S Gouli (LS-07a) and M Skinner. *Parthenolecanium corni* [Homoptera: Coccidae]. 2007. USA: Vermont.

Hirsutella liboensis X Zou, AY Liu & ZQ Liang
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

9603 X Zou (10). [Lepidoptera: Cossidae]. Rec'd 19 Jan 2010. PR China: Guizhou Province.

Hirsutella longicolla* var. *cornuta Strongman, Eveleigh & Royama
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

177 [FPMI 755] JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 10 May 1977. USA: Lincoln, Maine.

178 [FPMI 756] JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. May 1977. USA: Greenville, Maine.

Hirsutella minnesotensis Sen Y Chen, Zing Z Liu & FJ Chen
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

7288 X Liu (J2-54-1). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Heilongjiang Province. **RESTRICTED ACCESS:** *consult Curator*.

7289 X Liu (J1-55-2). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Heilongjiang Province. **RESTRICTED ACCESS:** *consult Curator*.

7290 X Liu (J1-55-3). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Heilongjiang Province. **RESTRICTED ACCESS:** *consult Curator*.

7291 X Liu (J2-55-3). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Heilongjiang Province. **RESTRICTED ACCESS:** *consult Curator*.

7294 X Liu (J1-82-5). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Neimenggu Province. **RESTRICTED ACCESS:** *consult Curator*.

Hirsutella necatrix Minter, Brady & Hall
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5549 [IMI 252317] [Acari] on *Lolium perenne*. 1981. United Kingdom.

Hirsutella nodulosa Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5473 EA Eliason (P10E). Larva, *Dioryctria zimmermani* [Lepidoptera: Pyralidae]. Rec'd 28 Aug 1995. USA: Kalamazoo, Michigan.

Hirsutella* nr. *haptospora
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

1362 S Balazy (1613b). Rec'd 19 May 1984. Poland.

1363 S Balazy (1613c). Rec'd 19 May 1984. Poland.

1364 S Balazy (1613d). Rec'd 19 May 1984. Poland.

2228 S Balazy (1770). [Diptera: Itonididae] under pine bark. Acc'd 4 Sep 1986. Poland: District Forest, Sierakov, Pniewy.

Hirsutella radiata Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

1369 S Balazy (1441). [Diptera: ?Lauxaniidae] on stem of *Urtica Dioica* in a deciduous forest. 1 Sep 1981. Poland: Wielkopolski National Park.

Hirsutella repens (nom. prov.)
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Provisional name for unpublished new species.

2348 [ARSEF 2359, 2394] MC Rombach (090586-1) ← RM Aguda. *Nilaparvata lugens* [Homoptera: Delphacidae]. Aug 1986. Republic of Korea.

2359 [ARSEF 2348, 2394] MC Rombach (090586-1) ← RM Aguda. *Nilaparvata lugens* [Homoptera: Delphacidae]. Aug 1986. Republic of Korea.

2394 [ARSEF 2348, 2359] MC Rombach (090586-1) ← RM Aguda. *Nilaparvata lugens* [Homoptera: Delphacidae]. Aug 1986. Republic of Korea.

Hirsutella rhossiliensis Minter & Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Hirsutella heteroderae* Sturhan & Schneider

2006 [UAMH 5977] BA Jaffee (Hr31). *Criconemella xenoplax* [Tylenchida: Criconematidae]. 25 Oct 1983. USA: Erie County, Pennsylvania.

2007 BA Jaffee (Hr42). *Criconemella curvata* [Tylenchida: Criconematidae]. 11 Mar 1984. USA: Adams County, Pennsylvania.

2008 BA Jaffee (HR43). *Criconemella xenoplax* [Tylenchida: Criconematidae]. 12 Apr 1984. USA: Adams County, Pennsylvania.

2788 BA Jaffee (Hr72). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 12 Jun 1989. USA: San Joaquin County, California.

2789 BA Jaffee (Hr73). Male, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 12 Jun 1989. USA: San Joaquin County, California.

2790 [CBS 567.92] BA Jaffee (Hr74). Male, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 19 Jun 1989. USA: Solano County, California.

2791 BA Jaffee (Hr75). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 19 Jun 1989. USA: Solano County, California.

2792 BA Jaffee (Hr76). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 19 Jun 1989. USA: Solano County, California.

2793 BA Jaffee (Hr77). Phylum Nemata, Class Secernentea. 19 Jun 1989. USA: Solano County, California.

2794 BA Jaffee (Hr78). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. 19 Jun 1989. USA: Solano County, California.

2894 CBS (216.78) ← R Schneider. *Heterodera humuli* [Tylenchida: Heteroderidae]. Acc'd 21 Nov 1989. Germany. CULTURE EX TYPE of *Hirsutella heteroderae*.

2931 BA Jaffee (Hr80). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. Sep 1989. USA: sugar beet field; grower = Watanabi, San Joaquin County, California.

2932 BA Jaffee (Hr81). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. Sep 1989. USA: sugar beet field; grower = Norman, San Joaquin County, California.

2933 BA Jaffee (Hr82). Juvenile, *Heterodera schachtii* [Tylenchida: Heteroderidae]. Sep 1989. USA: sugar beet field # 5, Solano County, California.

3207 P Timper (C3). Phylum Nemata, Class Secernentea. 20 Oct 1991. USA: Wyoming County, New York.

3744 BA Jaffee (Hr 31). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Oct 1983. USA: Pennsylvania.

3745 BA Jaffee (Hr 41). *Hoplolaimus galeatus*. Mar 1992. USA: Pennsylvania.

3746 BA Jaffee (Hr 43). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Apr 1992. USA: Pennsylvania.

3747 E Tedford (Hr 53). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Rec'd Winter 1993. USA: Merced County, California.

3748 BA Jaffee (Hr 54). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Mar 1986. USA: San Joaquin County, California.

3750 BA Jaffee (Hr 61). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Jun 1986. USA: Merced County, California.

3751 BA Jaffee (Hr63). Phylum Arthropoda, Class Insecta. Sep 1986. USA: Merced County, California.

3752 BA Jaffee (Hr 65). Phylum Arthropoda, Class Insecta. Nov 1986. USA: Merced County, California.

3753 BA Jaffee (Hr 67). Sep 1987. USA: Merced County, California.

3754 BA Jaffee (Hr 68). *Criconemella xenoplax* [Tylenchida: Criconematidae]. Oct 1987. USA: Merced County, California.

3755 BA Jaffee (Hr 85). *Rotylenchus robusta*. Apr 1990. USA: San Mateo County, California.

3756 BA Jaffee (Hr 88) or (Hr 88). *Rotylenchus robusta*. Apr 1990. USA: San Mateo County, California.

3757 BA Jaffee (Hr 90). *Rotylenchus robusta*. Apr 1990. USA: San Mateo County, California.

3758 BA Jaffee (Hr 92). *Rotylenchus robusta*. Apr 1990. USA: San Mateo County, California.

3759 BA Jaffee (Hr 95). *Rotylenchus robusta*. Apr 1990. USA: San Mateo County, California.

3760 BA Jaffee (Hr 97). Feb 1991. Sweden.

3761 BA Jaffee (Hr 113). *Heterodera schachtii* [Tylenchida: Heteroderidae]. Nov 1991. USA: Yolo County, California.

3765 BA Jaffee (Hr99) ← P Timper. Feb 1991. USA: Wyoming County, New York.

3879 E Tedford (Hr56). Rec'd Winter 1993. Australia.

4942 BA Jaffee (HR156). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1995. Laboratory manipulation.

7286 X Liu (J2-1-2). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Shanxi Province. **RESTRICTED ACCESS:** *consult Curator*.

7287 X Liu (J1-2-1). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Shanxi Province. **RESTRICTED ACCESS:** *consult Curator*.

7292 X Liu (J2-82-2). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Neimenggu Province. **RESTRICTED ACCESS:** *consult Curator*.

7293 X Liu (J1-82-3). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Neimenggu Province. **RESTRICTED ACCESS:** *consult Curator*.

7295 X Liu (J1-82-7). *Heterodera glycines* [Tylenchida: Heteroderidae]. Rec'd 17 Dec 2003. PR China: Neimenggu Province. **RESTRICTED ACCESS:** *consult Curator*.

Hirsutella satumaensis Aoki
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

996 J Aoki (Hir. 1) ← K Katagiri ← T Kushida. *Dioryctria sylvestrella* [Lepidoptera: Pyralidae]. May 1969. Japan: Hachioji, Tokyo Prefecture.

Hirsutella sinensis X Liu, YL Guo, YX Yu & W Zeng
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Possible anamorphic state of *Ophiocordyceps sinensis* (Berkeley) GH Sung, JM Sung, Hywel-Jones & Spatafora [= *Cordyceps sinensis* (Berkeley) Saccardo)]

6282 Larva, [Lepidoptera: Hepialidae]. Rec'd 24 Aug 1999. PR China: Qinghan.

Hirsutella strigosa Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

2044 [UAMH 5978] MC Rombach (071185-2). *Nilaparvata lugens* [Homoptera: Delphacidae]. 7 Nov 1985. Philippines: greenhouse colony, IRRI, Los Baños, Manila.

2197 MC Rombach (090686-1). *Nephotettix virescens* [Homoptera: Cicadellidae]. 9 Jun 1986. Philippines: IRRI field, Los Baños, Manila.

Hirsutella subulata Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

2227 S Balazy (1809) ← RT Mietkiewski. [Lepidoptera: Microlepidoptea]. Acc'd 4 Sep 1986. Poland: Siedlce.

Hirsutella thompsonii Fisher
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. The separation of *H. thompsonii* into two varieties based on whether synnemata may or may not form in culture is unreliable and probably artificial. Some strains included may form synnemata but do not do so consistently; these strains could be recognized as *Hirsutella thompsonii* var. *synnematosa* Samson, McCoy & O'Donnell if accepting this variety as a legitimate taxon.

137 [ATCC 24874; CBS 952.73] CW McCoy (Fla. 68). *Phyllocoptruta oleivora* [Acari: Eriophyidae]. 1970. USA: Orlando, Florida.

241 [CBS 556.77B] CW McCoy. *Phyllocoptruta oleivora* [Acari: Eriophyidae] on citrus. 1972. USA: Lake Alfred, Florida.

253 [CBS 556.77C] CW McCoy. *Phyllocoptruta oleivora* [Acari: Eriophyidae] on citrus. 1975. USA: Lake Alfred, Florida.

255 [ARSEF 2459; ATCC 3010; CBS 556.77A] CW McCoy ← CM Searle. *Eriophyes sheldoni* [Acari: Eriophyidae] on citrus. 1970. Zimbabwe: Mazoe.

256 [CBS 450.78] CW McCoy ← RA Hall. *Eriophyes guerreronis* [Acari: Eriophyidae] on coconut. 1978. Jamaica.

257 [CBS 451.78] CW McCoy ← RA Hall. *Eriophyes guerreronis* [Acari: Eriophyidae] on coconut. Mar 1978. Ivory Coast.

258 [ARSEF 414; CBS 452.78] CW McCoy ← RA Hall. *Colomerus novahebridensis* [Acari: Eriophyidae] on coconut. May 1978. Papua New Guinea: New Britain.

259 [CBS 556.77D] CW McCoy ← B Villalon. *Phyllocoptruta oleivora* [Acari: Eriophyidae] on citrus. 1972. USA: Weslaco, Texas.

414 [ARSEF 258; CBS 452.78] RA Hall. *Colomerus novahebridensis* [Acari: Eriophyidae] on coconuts. May 1978. Papua New Guinea: New Britain.

1947 MC Rombach. [Acari: Tarsonemidae] on beans. Jul 1985. Philippines: Palawan. This strain may produce synnemata in vitro.

2012 [ARSEF 2464] CIRPON ← DR Sosa-Gómez. *Phyllocoptruta oleivora* [Acari: Eriophyidae]. 1984. Argentina: Tucumán.

2459 [ARSEF 255] TJ Poprawski (8703) ← AJ Nasca (Ht-R). *Eriophyes sheldoni* [Acari: Eriophyidae]. Acc'd 23 Oct 1987. Zimbabwe. This strain may produce synnemata in vitro.

2464 [ARSEF 2012] TJ Poprawski (8704) ← AJ Nasca (Ht-T1). *Phyllocoptruta oleivora* [Acari: Eriophyidae]. 1983. Argentina: Tucumán.

2800 BA Jaffee (H59). [Acari]. 10 Jun 1986. USA: Livingston, California.

3323 R Ochoa and TG Zoebisch ← A Gamboa. *Dolichotetranychus floridanus* [Acari: Tenuipalpidae] on pineapple (*Ananas cosmosus* (L.) Mell.). Rec'd 30 Apr 1991. Costa Rica: PINDECO (Del Monte pineapple industry), Buenos Aires, Puntarenas.

3482 TG Zoebisch. Rec'd 28 Oct 1991. Location not specified.

6633 SB Alves (ESALQ 1221). *Calacarus heveae* [Acari: Eriophyidae]. 17 Aug 1998. Brazil: Piracicaba, São Paulo.

9457 [SRCAMB B-223] V Likhovidov ← BA Borisov. *Tetranychus* sp. [Acari: Tetranychidae]. 1995. Ukraine: environs of Kherson, Kherson Oblast. Field Collection Number F-920.

Hirsutella thompsonii* var. *synnematosa Samson, McCoy & O'Donnell
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5412 SK Dara. *Mononychellus tanajoa* [Acari: Tetranychidae]. Rec'd 11 Dec 1996. Benin: Adjohoun.

Hirsutella thompsonii* var. *vinacea Samson, McCoy & O'Donnell
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

254 [CBS 555.77] CW McCoy ← JR Baker. *Acalitus vaccinii* [Acari: Eriophyidae] on blueberry. 1967. USA: Raleigh, North Carolina. CULTURE EX TYPE.

Hirsutella versicolor Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

1034 [ARSEF 1557 (deaccessioned)] CBS (422.82) ← HC Evans. [Homoptera: Membracidae] on forest herb. Jul 1982. Brazil: Jari-Monte Dourado, Pará.

1037 CBS (423.82) ← HC Evans. [Homoptera: Membracidae] on cacao leaf together with *Torrubiella pruinosa*. Jul 1982. Brazil: Ouro Preto do Oeste, Rondônia.

4512 [IIBC I86-280] HC Evans (I86-280). *Idiocerus nitidulus* [Homoptera: Cicadellidae]. 1990. Malaysia.

Hirsutella verticillioides Charles
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

2599 MC Rombach (190688-1) ← AT Barrion. *Idioscopus clypealis* [Homoptera: Cicadellidae] on Indian mango, *Mangifera indica* L. Acc'd 12 Sep 1988. Philippines: Umali Subdivision, Los Baños, Manila.

***Humicola* sp.**
[Hyphomycetes]

2069 GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Hymenostilbe sphecophila (Ditmar) Petch
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

6292 [RCEF 0269] [Hymenoptera]. 11 Sep 1996. PR China: Anhui.

Hymenostilbe verrucosa Mains
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

2002 M Shimazu. [Araneida]. 16 Jul 1985. USA: Allegany State Park, Salamanca, New York.

***Hyperdermium* sp.**
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7655 P Chaverri (PC 611). 2004. Bolivia: Madidi National Park, Departamento La Paz.

Hyphochytrium catenoides Karling
[Hyphochytriomycetes: Hyphochytriales]
Hyphochytriaceae

6259 MJ Powell. Rec'd 8 Sep 1999.

Hypocrea rufa (Persoon) Fries
[Sordariomycetes: Hypocreales]
Hypocreaceae

7710 P Chaverri (PC 497). 7 Jan 2004.

***Hypocrella* sp.**
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7664 P Chaverri ← HC Evans (I93-902). 1993. Ivory Coast.

7705 P Chaverri (PC 415). 8 Dec 2003. Honduras: trail to the top of the mountain, Reserva Biologiva Monte Uyuca, Dpto. Francisco Morazán.

Hypocrella africana Hywel-Jones & Samuels
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7696 P Chaverri ← GJ Samuels (Afr 33). Rec'd 14 Sep 2004. Ghana.

Hypocrella amazonica Hennings
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7667 P Chaverri ← HC Evans (I94-920). 1994. Guatemala.

7669 P Chaverri ← HC Evans (I94-922c). 1994. Belize.

7680 [IMI 362301] P Chaverri ← HC Evans (I93-805). 1993. Guyana.

Hypocrella andropogonis (Hennings) Petch
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7396 M Liu (ml201-2W). 18 Dec 2003. USA: Reserva Forestal Guajataca, Puerto Rico.

7397 M Liu (ml201-2G). On fern. 18 Dec 2003. USA: Trail #9, Reserva Forestal Guajataca, Puerto Rico. Cultured from asci. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP-PR 4438.

Hypocrella discoidea (Berkeley & Broome) Saccardo
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7663 P Chaverri ← HC Evans (I93-901d). 1993. Ivory Coast.

7668 P Chaverri ← HC Evans (I95-901d). 1995.

7681 [BCC 2097] P Chaverri. [Homoptera: Coccoidea]. Rec'd Mar 2005. Thailand: Northeastern Thailand.

Hypocrella javanica (Penzig & Saccardo) Petch
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7605 [BCC 2339] [Homoptera: Coccoidea] underside of dicot leaf. Rec'd 20 Sep 2004. Thailand: Northern Thailand.

Hypocrella macrostroma Chaverri & KT Hodge
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7748 P Chaverri ← JF Bischoff (JB 115). 2002. Costa Rica: Sarapiquí, Heredia.

Hypocrella panamensis Torres, White & Bischoff
[Sordariomycetes: Hypocreales]
Clavicipitaceae

8361 MS Torres ← JF Bischoff and JF White Jr. [Homoptera: Coccoidea] on *Piper carrilloanum* C. DC. Aug 2003. Panama: Lutz Creek, Barro Colorado Island. CULTURE EX TYPE.

Hypocrella phyllogena (Montagne) Spegazzini
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7401 M Liu (ml202-3). 18 Dec 2003. USA: Reserva Forestal Guajataca, Puerto Rico. Cultured from asci.

7752 Rec'd 14 Sep 2004.

Hypocrella raciborskii Zimmermann
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7606 [BCC 1487] [Homoptera: Coccoidea]. Rec'd 20 Sep 2004. Thailand: Northeastern Thailand.

***Isaria* sp.**
[Sordariomycetes: Hypocreales]
Cordycipitaceae

9508 [SRCAMB B-183] V Likhovidov ← BA Borisov. [Diptera: Tipulidae]. 1999. Ukraine: Kherson Oblast. Field Collection Number F-1063.

9517 [SRCAMB B-298] V Likhovidov ← BA Borisov. [Homoptera: Psyllidae]. 8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-331.

9518 [SRCAMB B-293/2] V Likhovidov ← BA Borisov. Isolated from stroma of *Cordyceps* sp8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-600.

9519 [SRCAMB VL-1914/1] V Likhovidov. Larva, [Coleoptera]. 22 Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-853.

10162 [ERL 1822] S Gouli (Thr.-10-24) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Sharon Springs, New York.

10231 [ERL 1897] S Gouli (Thr.-10-105) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10232 [ERL 1898] S Gouli (Thr.-10-106) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Rupert, Vermont.

10233 [ERL 1899] S Gouli (Thr.-10-107) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Rupert, Vermont.

10234 2010.

10235 2010.

10236 2010.

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10251 2010.

10252 2010.

10253 2010.

10254 2010.

10255 2010.

10256 2010.

10257 2010.

10259 2010.

10363 [ERL 390] BL Parker and M Skinner (SP-473). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10364 [ERL 391] BL Parker (SP-475) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10365 [ERL 392] BL Parker and M Skinner (SP-484). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10366 [ERL 393] BL Parker (SP-486) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10367 [ERL 394] BL Parker and M Skinner (SP-487). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10368 [ERL 395] BL Parker (SP-509) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10369 [ERL 396] BL Parker and M Skinner (SP-514). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10370 [ERL 397] BL Parker (SP-515) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10371 [ERL 398] BL Parker (SP-516) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10372 [ERL 399] BL Parker and M Skinner (SP-517). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10373 [ERL 400] BL Parker (SP-518) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10374 [ERL 401] BL Parker and M Skinner (SP-520). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10375 [ERL 402] BL Parker (SP-569) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10376 [ERL 403] BL Parker and M Skinner (SP-570). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10377 [ERL 404] BL Parker (SP-587) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10378 [ERL 527] BL Parker (SP-456) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2000. Republic of Kazakhstan.

10379 [ERL 540] BL Parker (SP-501) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10380 [ERL 548] BL Parker and M Skinner (SP-523b). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10381 [ERL 549] BL Parker (SP-531) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10382 [ERL 554] BL Parker and M Skinner (SP-555). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10383 [ERL 556] BL Parker (SP-564) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10384 [ERL 561] BL Parker and M Skinner (SP-572). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

10385 [ERL 571] BL Parker (SP-588) and M Skinner. *Eurygaster* sp. [Hemiptera: Scutelleridae]. 2002. Iran.

Isaria amoenerosea P. Hennings
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Paecilomyces amoeneroseus* (Hennings) Samson. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea.*

741 [CNPAF 82-1-15-06; CP 19] RA Daoust. *Lagria vilosa* [Coleoptera: Lagriidae]. Jan 1982. Brazil: CNPAF, Goiânia, Goiás.

744 [CNPAF 82-2-15-05; CP 26] RA Daoust. *Lagria vilosa* [Coleoptera: Lagriidae]. Feb 1982. Brazil: CNPAF, Goiânia, Goiás.

2220 [CNPAF 86-06-05-4; CP 216] DW Roberts ← GS da Silva. *Lagria vilosa* [Coleoptera: Lagriidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.

2958 CENARGEN (CG 162). *Lagria vilosa* [Coleoptera: Lagriidae]. Rec'd 14 Mar 1990. Brazil: Formosa, Goiás.

2959 CENARGEN (CG 163). *Lagria vilosa* [Coleoptera: Lagriidae]. Rec'd 14 Mar 1990. Brazil: Formosa, Goiás.

2960 CENARGEN (CG 164). *Lagria vilosa* [Coleoptera: Lagriidae]. Rec'd 14 Mar 1990. Brazil: Formosa, Goiás.

3192 GW Riethmacher (B45a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 28 May 1990. Philippines: Villiasis, Pangasinan.

4097 LA Lacey (94007). *Lagria vilosa* [Coleoptera: Lagriidae]. Rec'd 28 Mar 1994. Brazil.

4849 JM Sung (C-321). Adult, [Coleoptera: Meloidae]. 14 Jul 1994. Republic of Korea: Chiag Mt., Kangwondo.

Isaria andoi Shimazu & Humber (sp. nov., unpublished)
[Sordariomycetes: Hypocreales]
Cordycipitaceae

1684 [CBS 118466] M Shimazu (F-430(4)) ← S Ando. *Resseliella odai* [Diptera: Cecidomyiidae]. 6 Dec 1982. Japan: Nakatsue, Oita Prefecture. CULTURE EX TYPE.

Isaria cateniannulata (ZQ Liang) Samson & Hywel-Jones
[Sordariomycetes: Hypocreales]
Cordycipitaceae

6240 [RCEF 0107] [Lepidoptera]. Rec'd 24 Aug 1999. PR China: Anhui.

6241 [RCEF 0464] [Coleoptera: Curculionidae]. 8 Jul 1998. PR China: Anhui.

6242 [RCEF 0507] *Lymantria dissoluta* [Lepidoptera: Lymantriidae]. 27 Jan 1999. PR China: Anhui.

6243 [RCEF 0516] *Brachyderes incanus* [Coleoptera: Curculionidae]. 27 Jan 1999. PR China: Anhui.

8310 B Huang (G-S-2). Acc'd 25 Jan 2007. USA: Great Smoky Mountains National Park, Tennessee.

9601 X Zou (8). Larva, [Lepidoptera]. Rec'd 19 Jan 2010. PR China: Guizhou Province.

Isaria cateniobliqua (ZQ Liang) Samson & Hywel-Jones
[Sordariomycetes: Hypocreales]
Cordycipitaceae

6244 [RCEF 0189] Adult, [Coleoptera]. Rec'd 24 Aug 1999. PR China: Anhui.

6283 [RCEF 0190] [Orthoptera: Acridoidea]. 26 Jul 1997. PR China: Anhui.

Isaria cicadae(?) Miq.
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7973 BC King (53). Phylum Arthropoda, Class Insecta. 2004. Canada: Queen Charlotte Islands, British Columbia. GenBank match - AB086631 (99.82%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

Isaria coleopterorum (Samson & HC Evans) Samson & Hywel-Jones
[Sordariomycetes: Hypocreales]
Cordycipitaceae

9509 [SRCAMB VL-2091] V Likhovidov. [Coleoptera: Lampyridae]. 25 Aug 2006. Russian Federation: Moscow Region. Field Collection Number F-1086.

10163 [ERL 1823] S Gouli and V Gouli (Thr.-10-25). [Diptera: Tipulidae]. 2010. USA: Rupert, Vermont.

Isaria farinosa (Holmsk.) Fries
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Paecilomyces farinosus* (Holmsk. ex Gray) Brown & Smith. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea*. Teleomorph: *Cordyceps memorabilis* Ces.

3 [ATCC 24319] PW Schaefer. 3rd instar larva, *Malacosoma americanum* [Lepidoptera: Lasiocampidae]. 6 Jun 1972. USA: Chapin Beach, Dennis, Massachusetts.

20 RS Soper ← I Majchrowicz (1). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 27 Oct 1972. USA: Harrisburg, Pennsylvania.

38 *Leucoma salicis* [Lepidoptera: Lymantriidae]. 6 Dec 1974. Location not specified.

55 Acc'd 18 Nov 1982. India.

294 "MLC" pupa. 25 Jun 1976. Location not specified.

475 C Bajan. Rec'd Spring 1980. Poland: Poland.

476 C Bajan. Rec'd May 1980. Poland.

648 [FPMI 759] RG Lawlor. Pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Sep 1981. USA: Michigan Hollow, West Danby, New York.

697 [FPMI 760] C Glenister. *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jan 1982. USA: Twin Glens, Tompkins County, New York.

799 DA Rodriguez Sierra ← A López. Pupa, *Premnotrypes vorax* [Coleoptera: Curculionidae]. Nov 1981. Colombia: Tibaitata, Mosquera, Nariño.

975 [GCRI 112-82] RA Hall. *Cydia pomonella* [Lepidoptera: Tortricidae]. Acc'd 17 Oct 1983. United Kingdom: England.

981 [GCRI 52-81] RA Hall. [Lepidoptera: Nymphalidae]. Acc'd 17 Oct 1983. United Kingdom: England.

1042 J Aoki (Cordy. 1). *Quadicalcarifera punctatella* [Lepidoptera: Notodontidae]. Aug 1982. Japan: Morioka City, Iwate Prefecture.

1065 [CNPS 26] F Moscardi. Pupa, *Chlosyne lacinia saundersii* [Lepidoptera: Nymphalidae]. 1983. Brazil: Londrina, Paraná.

1108 KV Deseö (27) ← Menarini. Larva, *Conopia myopaeformis* [Lepidoptera: Sesiidae]. Apr 1982. Italy: Ferrara, Emilia-Romagna.

1111 KV Deseö (32A) ← Becchi. Pupa, *Lobesia botrana* [Lepidoptera: Tortricidae]. Apr 1982. Italy: Modena, Emilia-Romagna.

1225 [INRA Pf-46] TJ Poprawski. *Laspeyresia medicagicus* [Lepidoptera: Tortricidae]. Apr 1981. France: Lusignan, Vienne.

1348 S Balazy (1584c). Pupa, [Diptera: Tachinidae]. 25 Sep 1983. Poland: Wielkopolski National Park.

1349 S Balazy (1584e). Pupa, [Diptera: Tachinidae]. 25 Sep 1983. Poland: Wielkopolski National Park.

1354 S Balazy (1594a). Rec'd 19 May 1984. Poland.

1355 S Balazy (1594b). Rec'd 19 May 1984. Poland.

1358 S Balazy (1595e). Rec'd 19 May 1984. Poland.

1507 I Majchrowicz (61) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.

1508 I Majchrowicz (76) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.

1851 [PFRC-FIDS 38-131] HS Whitney (R631) ← P Koot. Cocoon, *Pristiphora erichsonii* [Hymenoptera: Tenthredinidae]. 23 Oct 1984. Canada: Morrissey, Fernie, British Columbia.

1939 L Turlington (West Borax 1, colony B). Sentinel larva, *Aedes sierrensis* [Diptera: Culicidae]. 28 Jun 1985. USA: nr. Clearlake, California.

1957 [CNPAF 85-7-22-1; CP 182] JC Lord and BP Magalhães. *Lagria vilosa* [Coleoptera: Lagriidae]. 22 Jul 1985. Brazil: União dos Palmares, Alagoas.

2057 [NRRL A-27473] GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

2131 AE Hajek. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 4 Mar 1986. USA: Tuckahoe, Maryland.

2269 BT Forschler (RF-1). Larva, *Prionoxystus robiniae* [Lepidoptera: Cossidae]. Oct 1985. USA: Robinson Forest, Univ. of Kentucky, Breathitt County, Kentucky.

2344 [ARSEF 2375 (never frozen)] MC Rombach (221086-1). *Rivula atimeta* [Lepidoptera: Noctuidae]. 22 Oct 1986. Philippines: IRRI farm, Los Baños, Manila.

2355 [ARSEF 2379 (never frozen)] MC Rombach (201286-7). [Coleoptera]. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.

2376 MC Rombach (201286-5). [Araneida]. 20 Dec 1986. Philippines: Mt. Makiling, Los Baños, Manila.

2546 SR Sánchez Peña. *Spodoptera* sp. [Lepidoptera: Noctuidae]. Acc'd 29 Feb 1988. Location not specified.

2556 S Sandoval (87). Acc'd 18 Mar 1988. Ecuador.

2564 AE Hajek. Pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Mar 1988. USA: Canadice Lake, New York.

2576 Acc'd 26 Jul 1988. Location not specified.

2577 Acc'd 26 Jul 1988. Location not specified.

2578 Acc'd 26 Jul 1988. Location not specified.

2724 GW Riethmacher (B10M). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 2 Mar 1989. Philippines: La Trinidad, Benguet.

2726 GW Riethmacher (B13B). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 11 Mar 1989. Philippines: Atok, Benguet.

2807 GW Riethmacher (B15p). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 14 May 1989. Philippines: Pagbilao, Quezon.

2822 SR Sánchez Peña (3). Pupa, [Lepidoptera]. Jul 1987. Mexico: elev. 2900 m, Pseudotsuga-Abies forest, Pueblo Nuevo, Durango.

2835 AE Hajek ← K Tatman (MD109#3). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1989. USA: Baltimore County, Maryland.

2937 EcoScience Corporation (32-51) ← LJ Dapsis. *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Aug 1989. USA: Oregon.

2954 [Yoder Bros. Inc F2-28] BM Cawley. *Aleurocanthus woglumi* [Homoptera: Aleyrodidae]. 30 Oct 1989. USA: Florida.

2971 C López Lastra. Adult, *Aedes albifasciatus* [Diptera: Culicidae]. 13 Apr 1987. Argentina: Punta Lara, Buenos Aires.

2975 C López Lastra. Soil. 30 Jan 1986. Antarctica: Base Primavera.

3017 SB Krasnoff. *Pyrrharctia isabella* [Lepidoptera: Arctiidae]. 5 Jul 1990. USA: Troy Road, Ithaca, New York.

3152 KT Hodge. Pupa, [Lepidoptera]. 10 Oct 1991. USA: Lost Gorge, Tompkins County, New York. 25261.

3183 GW Riethmacher (B38). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 7 Apr 1990. Philippines: Atimonan, Quezon.

3184 GW Riethmacher (B39). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 11 Apr 1990. Philippines: Sariaya, Quezon.

3185 GW Riethmacher (B40). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 23 Apr 1990. Philippines: Lopez, Quezon.

3186 GW Riethmacher (B41). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 25 Apr 1990. Philippines: Padre Burgos, Quezon.

3191 GW Riethmacher (B44b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 17 May 1990. Philippines: La Trinidad, Benguet.

3221 AE Hajek. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd 8 Feb 1991. USA: Luzerne County, Pennsylvania.

3461 SV Krueger (549). Soil. Jun 1991. USA: Smith Forest, Trumansburg, New York.

3490 AE Hajek (1b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 29 May 1991. USA: nr. Crossroads, Albemarle County, Virginia.

3491 AE Hajek (4a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jun 1991. USA: nr. Cool Spring, Mercer County, Pennsylvania.

3492 AE Hajek (9b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: Poplar Hill, Prince Georges County, Maryland.

3493 AE Hajek (18b). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: Union Springs, Rockingham County, Virginia.

3494 AE Hajek (21a). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 30 May 1991. USA: Hunting Creek, Bedford County, Virginia.

3495 AE Hajek (26a). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 4 Jun 1991. USA: Hawes Run, Pendleton County, West Virginia.

3496 AE Hajek (32c). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 1991. USA: Holloway Draft, Augusta County, Virginia.

3497 AE Hajek (36a). Pre-pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: Big Mary's Creek, Rockbridge County, Virginia.

3498 AE Hajek (37c). Pre-pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: Piscataway, Maryland.

3499 AE Hajek (Red b (40)). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: Shenango River Reservoir, Mercer County, Pennsylvania.

3500 AE Hajek (47b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 5 Jun 1991. USA: Belle Acre, Allegheny County, Pennsylvania.

3501 AE Hajek (49b). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 5 Jun 1991. USA: Lovingston Spring, Nelson County, Virginia.

3502 AE Hajek (52b). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 1991. USA: Piney River, Virginia.

3503 AE Hajek (53a). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 1991. USA: Hog Camp, Amherst County, Virginia.

3504 AE Hajek (54b). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 31 May 1991. USA: White Rock Trail, Augusta County, Virginia.

3505 AE Hajek (57b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Jun 1991. USA: Wiggins Spring, Amherst County, Virginia.

3506 AE Hajek (62a). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: Brady Run, Beaver County, Pennsylvania.

3507 AE Hajek (64a). Pre-pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 4 Jun 1991. USA: Accokeek, Maryland.

3508 AE Hajek (68c). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: nr. Ruckersville, Greene County, Virginia.

3517 AE Hajek (91a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 31 May 1991. USA: Darnell Hollow, Monongalia County, West Virginia.

3518 AE Hajek (94b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 6 Jun 1991. USA: Clifton Mills Rd., Preston County, West Virginia.

3519 AE Hajek (95a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: Sandy Creek, Preston County, West Virginia.

3520 AE Hajek (102a). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: Harris Lake, Monongalia County, West Virginia.

3521 AE Hajek (128b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 12 Jun 1991. USA: Camp Run, Pendleton County, West Virginia.

3522 AE Hajek (140a). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 31 May 1991. USA: Quarry Run, Monongalia County, West Virginia.

3523 AE Hajek (145b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 4 Jun 1991. USA: State Game Land # 203, Allegheny County, Pennsylvania.

3524 AE Hajek (166a). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: nr. C & O Canal, Allegany County, Maryland.

3525 AE Hajek (203b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 6 Jun 1991. USA: Galloway Rd., Preston County, West Virginia.

3526 AE Hajek (216b). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: nr. Piclic Run, Allegany County, Maryland.

3533 AE Hajek (298b). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 31 May 1991. USA: Parker Run, Preston County, West Virginia.

3537 M Brownbridge (HL-1.1). Pupa, *Lambdina athasaria* [Lepidoptera: Geometridae]. 4 Dec 1991. USA: Whitington, Vermont.

3538 M Brownbridge (HL-2.3). Pupa, *Lambdina athasaria* [Lepidoptera: Geometridae]. 4 Dec 1991. USA: Whitington, Vermont.

3564 M Brownbridge (R-38). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 4 Dec 1991. USA: Ralph's sugar maple stand, Warren, Vermont.

3572 TJ Poprawski (2). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3574 TJ Poprawski (4). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3575 TJ Poprawski (5). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3576 TJ Poprawski (6). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3578 TJ Poprawski (8). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3579 TJ Poprawski (9). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3580 TJ Poprawski (10). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3582 SP Wraight (12). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3583 SP Wraight (13). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3584 SP Wraight (14). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3585 SP Wraight (16). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3586 SP Wraight (17). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3587 SP Wraight (18). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3588 SP Wraight (19). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3589 SP Wraight (20). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3591 TJ Poprawski (22). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3592 TJ Poprawski (23). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3593 TJ Poprawski (24). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3595 AE Hajek (35). Pre-pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 24 Jun 1991. USA: horse-track at Equine Center, Freese Rd., Ithaca, New York.

3596 AE Hajek (146). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jun 1991. USA: Salem Park, Ithaca, New York.

3597 AE Hajek (149). Pre-pupa, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: 35 Sapsucker Woods Rd., Ithaca, New York.

3598 AE Hajek (370). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 17 Jun 1991. USA: Uhl, Ithaca, New York.

3599 AE Hajek (438). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: nr. Equine Center, Freese Rd., Ithaca, New York.

3658 TJ Poprawski (40). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on fig tree. 28 Jan 1992. USA: El Centro, California.

3659 TJ Poprawski (41). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] on orchid tree. 28 Jan 1992. USA: Calexico, California.

3661 TJ Poprawski (44). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] on vine. 28 Jan 1992. USA: Heber, California.

3664 AE Hajek (1). 4th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jun 1991. USA: Weakley Hollow, Madison County, Virginia.

3665 AE Hajek (23). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: Runkles Gap, Rockingham County, Virginia.

3666 AE Hajek (27). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: nr. C & O Canal, Allegany County, Maryland.

3771 AE Hajek. 22 Jul 1992. USA: Coopers Rock State Forest, Monongalia County, West Virginia.

3983 [INRA Pfr040] LA Lacey (93020). *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. 1977. France: Béarn.

4010 T Steenberg (137) ← L Øgaard. 5th instar larva, *Agrotis segetum* [Lepidoptera: Noctuidae]. Sep 1988. Denmark: Stengård, Zealand.

4029 T Steenberg (234) ← CW Riedel. *Agonum dorsale* [Coleoptera: Carabidae]. Jan 1991. Denmark: Menstrup, Zeeland.

4039 T Steenberg (259). *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.

4040 T Steenberg (260) ← L Øgaard. *Staphylinus olens* [Coleoptera: Staphylinidae]. Oct 1991. Denmark: Bagsværd, Zeeland.

4043 T Steenberg (269) ← CW Riedel. *Bembidion lampros* [Coleoptera: Carabidae]. Jan 1991. Denmark.

4044 T Steenberg (270). *Agonum dorsale* [Coleoptera: Carabidae]. Jan 1991. Denmark.

4045 T Steenberg (274) ← V Langer. Larva, *Hapalus sp.* [Coleoptera: Carabidae]. Nov 1991. Denmark: Copenhagen, Tåstrup, Zealand.

4090 KT Hodge (kth12). Pupa, [Lepidoptera] soil. 8 Sep 1993. USA: Ringwood Forest Preserve, Ithaca, New York.

4412 LA Lacey (94073). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.

5073 LA Lacey (95065). [Coleoptera: Cerambycidae]. 6 Oct 1995. France: Lodéve, Hérault.

5074 LA Lacey (95066). [Coleoptera: Cerambycidae]. 6 Oct 1995. France: Lodéve, Hérault.

5075 LA Lacey (95067). [Coleoptera: Cerambycidae]. 6 Oct 1995. France: Lodéve, Hérault.

5080 LA Lacey (95069). [Coleoptera: Cerambycidae]. 16 Nov 1995. France: Saint-Etienne, de Gourgas.

5081 LA Lacey (95070). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5082 LA Lacey (95072). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5083 LA Lacey (95073). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5084 LA Lacey (95074). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5178 S Gouli (GP-65). *Adelges tsugae* [Homoptera: Adelgidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.

5191 S Gouli (GA-101). [Araneida: Araneae]. 24 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.

5194 S Gouli (GA-92). [Opiliones]. 25 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.

5306 SARL (44) ← SP Wraight (SPW-32). *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Mar 1993. USA: Santa Maria, Texas.

5368 MS Goettel. Larva, *Alosophila pometaria* [Lepidoptera: Geometridae] Ex field collected, lab reared larva. Rec'd 23 Sep 1996. Canada: Lethbridge, Alberta.

5548 AE Hajek. Pre-pupa, *Acantholyda erythrocephala* [Hymenoptera: Pamphiliidae]. 11 Sep 1996. USA: near Parishville, Saint Lawrence County, New York.

5675 BL Parker (SPT-039). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Jan 1998. Turkey: Belen, Gaziantep.

5676 BL Parker (SPT-050). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Karabyykly, Narli, Kahraman Maras.

5679 BL Parker (SPT-036). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1998. Turkey: Graek, Kalaycyk, Elbistan, Kahraman Maras.

5699 JM Sung (KEFC-1170). [Coleoptera: Tenebrionidae]. 9 Jul 1997. Republic of Korea: Yongmoon Mt., Gyeonggi Province.

5754 BL Parker (SPT 012). [Coleoptera: Coccinellidae]. 18 Jan 1998. Turkey: Hirshito Ht., Gaziantep, Gaziantep.

5760 BL Parker (AT 138). *Adelges tsugae* [Homoptera: Adelgidae]. 19 Oct 1997. USA: Lucas property, Lovingston, Virginia.

5761 BL Parker (AT 139). *Adelges tsugae* [Homoptera: Adelgidae]. 17 Oct 1997. USA: Rapps Mills, Virginia.

5774 BL Parker (μH 2). *Adelges tsugae* [Homoptera: Adelgidae]. Spring 1997. USA: Russell, Massachusetts.

5775 BL Parker (HWA 1). *Adelges tsugae* [Homoptera: Adelgidae]. 20 Feb 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5776 [ERL 148] S Gouli and W Reid (HWA-3). *Adelges tsugae* [Homoptera: Adelgidae]. 20 Feb 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5784 BL Parker (HWA 112). *Adelges tsugae* [Homoptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5788 BL Parker (HWA 134/2). *Adelges tsugae* [Homoptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5790 BL Parker (HWA 144). *Adelges tsugae* [Homoptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5792 BL Parker (HWA 175). *Adelges tsugae* [Homoptera: Adelgidae]. 10 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5797 BL Parker (HWA 303). *Adelges tsugae* [Homoptera: Adelgidae]. Oct 1997. USA: Russell, Massachusetts.

5799 BL Parker (HWA 305). *Adelges tsugae* [Homoptera: Adelgidae]. Oct 1997. USA: Forest Park, Massachusetts.

5800 BL Parker (HWA 306). *Adelges tsugae* [Homoptera: Adelgidae]. Oct 1997. USA: Russell, Massachusetts.

5801 BL Parker (HWA 308). *Adelges tsugae* [Homoptera: Adelgidae]. Oct 1997. USA: Russell, Massachusetts.

5802 BL Parker (HWA 309). *Adelges tsugae* [Homoptera: Adelgidae]. Oct 1997. USA: Russell, Massachusetts.

5826 BL Parker (AT 157). *Adelges tsugae* [Homoptera: Adelgidae]. 16 Oct 1997. USA: Guilford, Connecticut.

5827 BL Parker (AT 159). *Adelges tsugae* [Homoptera: Adelgidae]. 16 Oct 1997. USA: Guilford, Connecticut.

5830 BL Parker (HWA 307). *Adelges tsugae* [Homoptera: Adelgidae]. Oct 1997. USA: Forest Park, Massachusetts.

5834 BL Parker (SPT 013/2). [Coleoptera: Coccinellidae]. 18 Jan 1998. Turkey: Hursit Mt., Gaziantep, Gaziantep.

5858 T Steenberg (SSL 610). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Feb 1997. Denmark: Broiler house, Øster Sottrup, Jutland.

5883 FE Vega (EBCL 98024). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.

5884 FE Vega (EBCL 98025). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.

5885 FE Vega (EBCL 98026). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.

5996 KT Hodge. Pupa, [Lepidoptera] in leaf litter. 22 Oct 1998. USA: McDonald Forest, Oak Creek entrance, Benton County, Oregon. Specimen deposited in Oregon State University Herbarium as 67889.

6012 BL Parker ← V Gouli (SPT-R-160). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6017 BL Parker ← V Gouli (SPT-R-175). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6020 BL Parker ← V Gouli (SPT-R-185(b)). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6028 BL Parker (AT-C-218). 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 30 Oct 1998. PR China: Site 3, Tree Number 6, Sichuan Province.

6029 BL Parker (AT-C-234). 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Tree Number 3, Sichuan Province.

6030 BL Parker (AT-C-235). 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 29 Oct 1998. PR China: Site 2, Tree Number 5, Sichuan Province.

6031 BL Parker (AT-C-237). 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 29 Oct 1998. PR China: Site 2, Tree Number 5, Sichuan Province.

6032 BL Parker (AT-C-238). 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 29 Oct 1998. PR China: Site 2, Tree Number 6, Sichuan Province.

6033 BL Parker (AT-C-242). 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 30 Oct 1998. PR China: Site1, Tree Number 10, Sichuan Province.

6034 BL Parker (AT-C-281). 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 30 Oct 1998. PR China: Site 3, Tree Number 11, Sichuan Province.

6036 BL Parker (AT-C-286). 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 30 Oct 1998. PR China: Site 3, Tree Number 8, Sichuan Province.

6037 BL Parker (AT-C-287). 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 30 Oct 1998. PR China: Site 3, Tree Number 11, Sichuan Province.

6038 BL Parker (AT-C-288). 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Tree Number 14, Sichuan Province.

6044 BL Parker ← V Gouli (SPT-R-172). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6048 BL Parker (AT-C-293). Aestivating 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Sichuan Province.

6049 BL Parker (AT-C-294). Aestivating 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Sichuan Province.

6097 BL Parker (SPT-U-341). Adult, *Aelia* sp. [Hemiptera: Pentatomidae]. 16 Jan 1999. Uzbekistan: SW of Samarkand, Sazagan.

6098 BL Parker (SPT-U-343). Adult, *Aelia* sp. [Hemiptera: Pentatomidae]. 16 Jan 1999. Uzbekistan: Site a, SW of Samarkand, Mirankul region.

6200 FE Vega (EBCL 98026). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.

6202 FE Vega (EBCL 98028). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.

6207 FE Vega (EBCL 98052). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.

6222 JL Hatting. *Diuraphis noxia* [Homoptera: Aphididae]. 21 Jun 1999. South Africa: Small Grain Institute Greenhouse aphid colony, Bethlehem, Orange Free State.

6245 [RCEF 0097] [Lepidoptera]. Rec'd 24 Aug 1999. PR China: Yunnan.

6246 [RCEF 0449] Phylum Arthropoda, Class Arachnida. 20 Sep 1997. PR China: Anhui.

6288 S Farrokhi (PPDRI 3). *Eurygaster integriceps* [Hemiptera: Scutelleridae]. Dec 1998. Iran: Isfahan, Esfahan.

6481 BL Parker (SPT-KZ-400). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:.**
contact Curator

6482 BL Parker (SPT-KR-404). Adult, [Collembola] overwintering in soil. 2 Dec 2000. Kyrgyz Republic: GPS Coordinates N 43°39.257' E 073°54.353'. **RESTRICTED ACCESS:.**
contact Curator

6488 BL Parker (SPT-KZ-418). Adult, [Coleoptera: Scarabaeidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:.**
contact Curator

6489 BL Parker (SPT-KZ-419). Adult, [Coleoptera: Scarabaeidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:.**
contact Curator

6490 BL Parker (SPT-KZ-420). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 4 Feb 2000. Kazakhstan: GPS Coodinates N 43°22.366' E 077°20.486'. **RESTRICTED ACCESS:.**
contact Curator

6491 BL Parker (SPT-KZ-423). Adult, [Coleoptera: Chrysomelidae] overwintering in soil. 4 Feb 2000. Kazakhstan: GPS Coordinates N 43°23.081' E 077°34.126'. **RESTRICTED ACCESS:.**
contact Curator

6493 BL Parker (SPT-KZ-428). Adult, *Aelia* sp. [Hemiptera: Pentatomidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526. **RESTRICTED ACCESS:.**
contact Curator

6495 BL Parker (SPT-KZ-432). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:.**
contact Curator

6496 BL Parker (SPT-KZ-440). Adult, [Hemiptera: Lygaeidae] overwintering in soil. 4 Feb 2000. Kazakhstan: GPS Coordinates N 43°22.366' E 077°20.486'. **RESTRICTED ACCESS:.**
contact Curator

6497 BL Parker (SPT-KZ-443). Adult, *Aelia* sp. [Hemiptera: Pentatomidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526. **RESTRICTED ACCESS:.**
contact Curator

6607 JL Hatting (Sample B). [Hemiptera: Miridae] on *Aspalathus contaminatus*, Rooibos tea. . 4 Aug 1999. South Africa: Site grid reference S 31° 47' 37.5" E 8° 41' 02.2", Clanwilliam, Cape Province.

6609 JL Hatting (Lesotho A). *Diuraphis noxia* [Homoptera: Aphididae]. 31 Jan 2000. Lesotho: Sehlabathebe.

6611 JL Hatting. 17 May 2000. South Africa: Clanwilliam, Cape Province.

6619 Rec'd 27 Sep 2000.

6623 Acc'd 27 May 2003.

6983 [PPRI 7071] JL Hatting. *Diuraphis noxia* [Homoptera: Aphididae]. 10 Aug 2001. South Africa: ARC-Small Grain Institute Greenhouse, Bethlehem, Orange Free State.

7094 KT Hodge. Among moss on fallen tree fern. 10 Jan 2003. USA: off Saddle Road, Island of Hawaii, Hawaii. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 67180.

7118 [CBS 111113] Pupa, [Lepidoptera] in moss under *Quercus*, oak. 30 Sep 2002. Denmark: Kås Skov, Jutland Salling, Jutland. CULTURE EX EPITYPE.

7243 JM Sung (EFCC 1460). Larva, 31 Jul 1997. Nepal.

7245 JM Sung (EFCC 1928). Pupa, 4 Oct 1997. Republic of Korea: Samag Mt., Kangwon-do.

7249 JM Sung (EFCC 2014). [Hymenoptera]. 22 May 1998. Republic of Korea: Yongmoon Mt., Gyeonggi Province.

7262 JM Sung (EFCC 2942). [Hymenoptera]. Jun 1999. Republic of Korea: Obong Mt., Kangwon-do.

7263 JM Sung (EFCC 2948). Pupa, Jun 1999. Republic of Korea: Obong Mt., Kangwon-do.

7276 JM Sung (EFCC 9251). [Coleoptera: Cerambycidae]. 23 Aug 2002. Republic of Korea: Seolag Mt., Kangwon-do.

7531 S Keller (955). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait fom soil. 29 Sep 2003. Switzerland: Matten, Bern.

7574 I Klingen (NCRI 95/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.

7575 I Klingen (NCRI 164/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, conventional apple orchard, Balestrand, Sogn og Fjordane.

7576 I Klingen (NCRI 170/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.

7714 [SRCAMB B-181] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera]. Aug 2002. Russian Federation: Vladivostok District, Primorsky Krai. Field Collection Number F-184.

7715 [SRCAMB VL-1124/2] V Likhovidov. Phylum Arthropoda, Class Insecta. 9 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-302.

7717 [SRCAMB B-180] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Aug 2002. Russian Federation: Primorsky Krai. Field Collection Number F-182.

7718 [SRCAMB B-176] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-183.

7719 [SRCAMB B-172] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-181.

7720 [SRCAMB VL-576/1] V Likhovidov. Pupa, [Lepidoptera]. 7 Aug 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-180.

7722 [SRCAMB B-49] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps* sp. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-199.

7723 [SRCAMB B-108] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera]. 31 Aug 2002. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-185.

7724 [SRCAMB VL-405] V Likhovidov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps* sp. 30 Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-294.

7725 [SRCAMB B-62] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps* sp. 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-286.

7726 [SRCAMB VL-497] V Likhovidov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps* sp. 21 Jul 2001. Russian Federation: environs of Vladivostok, Vladivostok, Primorsky Krai. Field Collection Number F-272.

7727 [SRCAMB B-52] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-187.

7728 [SRCAMB VL-755] V Likhovidov. [Hymenoptera: Formicidae]. 27 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-188.

7729 [SRCAMB VL-449] V Likhovidov. Phylum Arthropoda, Class Insecta Isolated from stroma of *Cordyceps* sp. 21 Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-291.

7730 [SRCAMB B-77] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera]. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-286.

7731 [SRCAMB VL-576] V Likhovidov. 7 Aug 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-180.

7732 [SRCAM VLI-282] V Likhovidov. Rec'd 29 Sep 2003.

7733 [SRCAM F-186] V Likhovidov (VLI-51). Rec'd 14 Mar 2005.

7734 [SRCAM F-190] V Likhovidov (B-404) ← BA Borisov. Rec'd 14 Mar 2005.

7736 [SRCAM F-293] V Likhovidov (B-102) ← BA Borisov. Rec'd 14 Mar 2005.

7737 [SRCAM F-304] V Likhovidov (VLI-1040/1). Rec'd 14 Mar 2005.

7739 [SRCAM F-334] V Likhovidov (B-331) ← BA Borisov. Rec'd 14 Mar 2005.

7777 [CEP (S) 004] C López Lastra ← A Toledo. Soil of *Zea mays* L., corn crop. 3 Jul 2003. Argentina: Estación experimental Julio Hirschhorn, Los Hornos, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7961 LA Lacey (4A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 29 Sep 2005. USA: Alaska. 69°25'26" N, 148°41'41" W, 1001 ft elevation.

7962 LA Lacey (5A). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 28 Sep 2005. USA: Deadhorse, Alaska. 70°12'42" N, 148°28'57" W, 37 ft elevation.

8016 BC King (7). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8017 BC King (47). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8018 BC King (10). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8019 BC King (11). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8020 BC King (22). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8021 BC King (43). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8022 BC King (75). Rec'd 7 Apr 2006. USA: Renton, Washington. GenBank match - AY624181 (97.80%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8251 30 Aug 2006.

8252 BC King (Spec 1). Acc'd 19 Dec 2006.

8411 AE Hajek (02 NY 5-6-1). Adult, cadaver, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 10 Sep 2002. USA: Quarantine colony, Ithaca, New York.

8599 [CSIRO FI-0935] 5 Aug 1992. Pink contaminant on Veen's medium.

8770 A Torres Barragan (Ral 6). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from vermicompost. 16 Jul 2008. USA: Red Hen Enterprises, Raleigh, North Carolina.

8917 [ERL 253] BL Parker (AVRDC 0482B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

9269 Z Demirbag and E Tanyeli (Dm-3). *Dendroctonus micans* [Coleoptera: Scolytidae]. 24 Oct 2008. Turkey: Maçka-Zigana, Trabzon.

9270 Z Demirbag and E Tanyeli (Dm-4). *Dendroctonus micans* [Coleoptera: Scolytidae]. 24 Oct 2008. Turkey: Maçka-Zigana, Trabzon.

9275 Z Demirbag and E Tanyeli (Dm-9). *Dendroctonus micans* [Coleoptera: Scolytidae]. 20 Jun 2009. Turkey: Maçka-Zigana, Trabzon.

9276 Z Demirbag and E Tanyeli (Dm-10). *Dendroctonus micans* [Coleoptera: Scolytidae]. 20 Jun 2009. Turkey: Maçka-Zigana, Trabzon.

9277 Z Demirbag and E Tanyeli (Dm-11). *Dendroctonus micans* [Coleoptera: Scolytidae]. 20 Jun 2009. Turkey: Maçka-Zigana, Trabzon.

9278 Z Demirbag and E Tanyeli (Dm-12). *Dendroctonus micans* [Coleoptera: Scolytidae]. 20 Jun 2009. Turkey: Maçka-Zigana, Trabzon.

9292 [ERL 1592] S Gouli (Thr-08-P1) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9293 [ERL 1593] S Gouli and V Gouli (Thr-08-P2). Isolated from soil sample. 2008. USA: Vermont.

9510 [SRCAMB VL-755] V Likhovidov. [Hymenoptera: Formicidae]. 27 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-188.

9511 [SRCAMB VL-1587/3] V Likhovidov. [Coleoptera: Silphidae]. 14 Sep 2004. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-525.

9512 [SRCAMB VL-1624] V Likhovidov. Larva, [Diptera: Xylophagidae] Isolated from stroma of *Cordyceps corallomyces*. Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-585.

9513 [SRCAMB B-679] V Likhovidov ← BA Borisov. [Homoptera: Coccidae]. 8 Jul 2005. Ukraine: Kiev. Field Collection Number F-746.

9514 [SRCAMB VL-1959] V Likhovidov. [Hymenoptera: Formicoidea]. 25 Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-842.

9515 [SRCAMB B-186] V Likhovidov ← BA Borisov. [Lepidoptera: Lasiocampidae]. Apr 2003. Russian Federation: Moscow Region. Field Collection Number F-919.

9516 [SRCAMB B-405/2] V Likhovidov ← BA Borisov. [Coleoptera]. Oct 2003. Ukraine: Kherson Oblast. Field Collection Number F-930.

9574 [ERL 1731] S Gouli and V Gouli (Thr.-08-P/8). Isolated from soil sample. 2008. USA: Vermont.

9575 [ERL 1732] S Gouli (Thr.-08-P/9) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9576 [ERL 1733] S Gouli and V Gouli (Thr.-08-P/10). Isolated from soil sample. 2008. USA: Vermont.

9577 [ERL 1734] S Gouli (Thr.-08-P/11) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9578 [ERL 1735] S Gouli and V Gouli (Thr.-08-P/12). Isolated from soil sample. 2008. USA: Vermont.

9579 [ERL 1736] S Gouli (Thr.-08-P/13) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9580 [ERL 1737] S Gouli and V Gouli (Thr.-08-P/14). Isolated from soil sample. 2008. USA: Vermont.

9944 LS Bauer (Legg Park 1). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Rec'd 14 Apr 2010. USA: Legg Park, Okemos, Michigan.

9945 LS Bauer (Legg Park 2). Larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. Rec'd 14 Apr 2010. USA: Legg Park, Okemos, Michigan.

10155 [ERL 1815] S Gouli and V Gouli (Thr.-10-17). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.

10156 [ERL 1816] S Gouli (Thr.-10-18) and V Gouli. [Diptera] fungus gnats. 2010. USA: Rupert, Vermont.

10157 [ERL 1817] S Gouli and V Gouli (Thr.-10-19). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.

10158 [ERL 1818] S Gouli (Thr.-10-20) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10159 [ERL 1819] S Gouli and V Gouli (Thr.-10-21). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.

10160 [ERL 1820] S Gouli (Thr.-10-22) and V Gouli. [Diptera] fungus gnats. 2010. USA: Bakersfield, Vermont.

10161 [ERL 1821] S Gouli and V Gouli (Thr.-10-23). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10165 [ERL 1825] S Gouli and V Gouli (Thr.-10-27). [Diptera] fungus gnats. 2010. USA: Sharon Springs, New York.

Isaria farinosa(?) (Holmsk.) Fries
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Current name: *Isaria farinosa* (Holm:Fries) Fries nom. conserv.

7219 [SRCAMB B-298] V Likhovidov ← BA Borisov. [Homoptera: Psyllidae]. 8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-331.

8806 LA Castrillo (A2s8). Isolated from soil sample. 25 Sep 2007. USA: Hudson Mills Metro Park, Ann Arbor, Michigan.

9567 [ERL 1724] S Gouli (Thr.-08-P/1) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9568 [ERL 1725] S Gouli and V Gouli (Thr.-08-P/2). Isolated from soil sample. 2008. USA: Vermont.

9569 [ERL 1726] S Gouli (Thr.-08-P/3) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9570 [ERL 1727] S Gouli and V Gouli (Thr.-08-P/4). Isolated from soil sample. 2008. USA: Vermont.

9571 [ERL 1728] S Gouli (Thr.-08-P/5) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9572 [ERL 1729] S Gouli and V Gouli (Thr.-08-P/6). Isolated from soil sample. 2008. USA: Vermont.

9573 [ERL 1730] S Gouli (Thr.-08-P/7) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9581 [ERL 1738] S Gouli (Thr.-08-P/15) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

Isaria flavovirescens Shimazu & Humber (sp. nov., unpublished)
[Sordariomycetes: Hypocreales]
Cordycipitaceae

1686 M Shimazu (48a) ← S Ando. *Resseliella odai* [Diptera: Cecidomyiidae]. 26 Jul 1984. Japan: Oita Prefecture. CULTURE EX TYPE.

Isaria fumosorosea Wize
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Paecilomyces fumosoroseus* (Wize) Brown & Smith. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea.*

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720 RS Soper. *Bombyx mori* [Lepidoptera: Bombycidae]. 11 Nov 1981. PR China: Hangzhou, Zhijiang.

722 [CNPAF 82-1-15-05; CP 18] RA Daoust. *Lagria vilosa* [Coleoptera: Lagriidae]. Jan 1982. Brazil: CNPAF, Goiânia, Goiás.

887 [INRA 51] GG Soares (1) ← H Hoyer. Pupa, [Diptera]. Nov 1982. France: Paris, Paris.

989 J Aoki (Paec. 3) ← Y Sekizima. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Kumagaya, Saitama Prefecture.

1005 J Aoki (Paec. 2). *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Fuchu, Tokyo Prefecture.

1506 I Majchrowicz (71) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.

1530 TJ Poprawski (0127A(bis)). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Orvieto, Umbria.

1532 TJ Poprawski (0127B(bis)). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 5 Jul 1984. Italy: Orvieto, Umbria.

1568 KV Deseö (101) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emiglia), Emilia-Romagna.

1569 KV Deseö (107) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emiglia), Emilia-Romagna.

1577 KV Deseö (104) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emiglia), Emilia-Romagna.

1578 KV Deseö (108) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emiglia), Emilia-Romagna.

1579 KV Deseö (110) ← Cortellini. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae]. Mar 1984. Italy: Villa Cadé (Reggio Emiglia), Emilia-Romagna.

1626 TJ Poprawski (0103B). Pupa, *Musca autumnalis* [Diptera: Muscidae]. 6 Aug 1984. France: Le Trait, Seine-Maritime.

1644 TJ Poprawski (0141A). Pupa, *Musca domestica* [Diptera: Muscidae]. 14 Aug 1984. France: Britang.

1645 TJ Poprawski (0141B). Pupa, *Musca domestica* [Diptera: Muscidae]. 14 Aug 1984. France: Britang.

1646 TJ Poprawski (0142). Pupa, *Calliphora* sp. [Diptera: Calliphoridae]. 17 Aug 1984. France: Béhoust, Yvelines.

1867 TJ Poprawski (0171). Pupa, *Musca domestica* [Diptera: Muscidae]. Acc'd 25 Mar 1985. France: Brittany, Morbihan.

1868 TJ Poprawski (0172). Pupa, *Musca domestica* [Diptera: Muscidae]. Acc'd 25 Mar 1985. France: Brittany, Morbihan.

2175 MC Rombach (130586-3). *Heteropsylla incisa* [Homoptera: Psyllidae]. 13 May 1986. Philippines: VISCA demonstration farm, nr. Baybay, Leyte.

2198 MC Rombach (161285-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 16 Dec 1985. Philippines: IRRI farm, Los Baños, Manila.

2216 [CNPAF 86-06-05-1; CP 212] DW Roberts ← PMOJ Neves. *Lagria vilosa* [Coleoptera: Lagriidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.

2217 [CNPAF 86-06-02-2; CP 213] DW Roberts ← OS Ohashi. *Lagria vilosa* [Coleoptera: Lagriidae]. 2 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.

2219 [CNPAF 86-06-05-3; CP 215] DW Roberts ← DMF Capalbo. *Lagria vilosa* [Coleoptera: Lagriidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.

2221 [CNPAF 86-06-05-1; CP 217] DW Roberts ← OS Ohashi. *Lagria vilosa* [Coleoptera: Lagriidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.

2247 LS Osborne (UK-1). *Phenacoccus solani* [Homoptera: Pseudococcidae] on *Gynura* sp. Acc'd 6 Oct 1986. USA: Mid-Florida Research & Education Center, Greenhouse 3, Apopka, Florida.

2425 DG Holdom (080287-2). Larva, [Diptera: ?Stratiomyidae]. 8 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2658 DG Boucias. *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae]. Acc'd Dec 1988. USA: greenhouse, Gainesville, Florida.

2679 AS Martins. 3rd instar larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 13 Oct 1988. Portugal: Terceira Island, Azores.

2733 GW Riethmacher (B11W). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 6 Mar 1989. Philippines: La Trinidad, Benguet.

2734 GW Riethmacher (M1). *Spodoptera* sp. [Lepidoptera: Noctuidae]. 28 Dec 1988. Philippines: La Trinidad, Benguet.

2744 GW Riethmacher (B5R9). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 6 Feb 1989. Philippines: Atok, Benguet.

2745 GW Riethmacher (B5T10). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 6 Feb 1989. Philippines: Atok, Benguet.

2749 GW Riethmacher (L4). *Plutella xylostella* [Lepidoptera: Plutellidae]. 21 Mar 1989. Philippines: La Trinidad, Benguet.

2804 GW Riethmacher (B12p). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 11 Apr 1989. Philippines: Sta. Barbara, Pangasinan.

2956 CENARGEN (CG 123). *Spaethiella* sp. [Coleoptera: Chrysomelidae]. Rec'd 14 Mar 1990. Brazil: Manaus, Amazonas.

3076 BM Cawley ← R Hernandez-Armenta. Immature, *Bemisia tabaci* [Homoptera: Aleyrodidae] on shade house-grown *Gerbera* sp. 10 Jul 1990. USA: Naples, Florida.

3083 AD Ali. *Bemisia tabaci* [Homoptera: Aleyrodidae] on *Gerbera* sp. Rec'd 12 Sep 1990. USA: nursery, nr. Alva, Florida.

3177 GW Riethmacher (B23). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 18 Dec 1989. Philippines: Gumaca, Quezon.

3179 GW Riethmacher (B32). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 6 Feb 1990. Philippines: La Trinidad, Benguet.

3188 GW Riethmacher (B43b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 3 May 1990. Philippines: La Trinidad, Benguet.

3302 J Gutierrez Samperio (18) ← ERD Reyes. *Diaphania hyalinata* [Lepidoptera: Pyralidae] on melon. 1990. Mexico: Michoacán, Baja California.

3313 J Gutierrez Samperio (29) ← ERD Reyes. *Bemisia* sp. [Homoptera: Aleyrodidae] on watermelon. 1990. Mexico: Tecomán, Colima.

3322 Yoder Bros. Inc (F2-4 BR). *Bemisia tabaci* [Homoptera: Aleyrodidae] on *Gerbera* sp. Dec 1990. USA: Fort Myers, Florida.

3408 AD Ali. *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 6 Apr 1992. Location not specified. selected for resistance to benomyl at recommended field strength.

3429 K Ostrovska (51). [Hemiptera: Pentatomidae]. 25 Sep 1991. Costa Rica: Carrara.

3458 AD Ali. *Myzus persicae* [Homoptera: Aphididae]. Rec'd 6 Apr 1992. Location not specified.

3480 CENARGEN (CG 35). Leaves of *Cyperus rotundus*. Apr 1991. Brazil: Brasília, Distrito Federal.

3581 SP Wraight (11). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3590 TJ Poprawski (21). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3594 TJ Poprawski (25). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3660 TJ Poprawski (43). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] on hibiscus. 28 Jan 1992. USA: Calexico, California.

3662 TJ Poprawski (45). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on hibiscus. 28 Jan 1992. USA: Calexico, California.

3663 TJ Poprawski (48). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on orchid tree. 28 Jan 1992. USA: Calexico, California.

3682 LS Osborne (PFR-97). [Homoptera: Aphididae]. Rec'd Apr 1992. USA: Central Florida Research and Education Center, Apopka, Florida. With identification as PFR-97, this is the basis for commercialized biocontrol products registered by the US Environmental Protection Agency.

3699 LA Lacey (Ma17). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.

3700 LA Lacey (Ma18). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] on eggplant. 10 Apr 1992. India: Padappai.

3800 ERD Reyes (PF4). Adult, *Bemisia* sp. [Homoptera: Aleyrodidae] watermelon. 6 Jan 1991. Mexico: Colima.

3824 [ATCC 24318; FPMI 961] N Underwood (ARSEF3682). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd Jan 1993. Laboratory manipulation.

3843 LA Lacey (Pfr19). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] ?. Apr 1992. India: Padappai.

3848 LA Lacey (92112). *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. 4 Oct 1992. Pakistan: Multan.

3851 LA Lacey (92123). *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. 16 Oct 1992. Pakistan: Multan.

3852 [JB Tavares BRA-000141] MS Tigano-Milani (CG-335). Soil. Rec'd 13 Jan 1993. Brazil.

3857 [JB Tavares BRA-000159] MS Tigano-Milani (CG-338). Soil. Rec'd 13 Jan 1993. Brazil.

3878 LA Lacey (92118) ← D Shakeel. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 11 Oct 1992. Pakistan: Multan.

3889 A Hara ← LS Osborne. *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 22 Feb 1993. USA: Island of Hawaii, Hawaii.

3917 Acc'd 23 Aug 1993.

4205 LA Lacey (94036). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] Sanchus. 24 Mar 1994. Malaysia: Kuala Terla.

4383 LA Lacey (94009) ← A Farices (34). *Diuraphis noxia* [Homoptera: Aphididae]. 19 Jan 1994. France: La Valette.

4400 LA Lacey (94097). [Homoptera: Aphididae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla.

4401 LA Lacey (94061). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla.

4404 LA Lacey (94029). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.

4406 LA Lacey (94065). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.

4407 LA Lacey (94068). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.

4408 LA Lacey (94069). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.

4409 LA Lacey (94070). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.

4410 LA Lacey (94071). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.

4411 LA Lacey (94072). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.

4413 LA Lacey (94075). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.

4414 LA Lacey (94076). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.

4415 LA Lacey (94077). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] Sonchus. 24 Mar 1994. Malaysia: Kuala Terla.

4459 [ARSEF 3699] J McManus (DnPfu193Pss1). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 14 Jun 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore isolate from formulated ARSEF 3699. Passed through *Diuraphis noxia* 12 May 94.

4460 [ARSEF 3699] J McManus (DnPfu193Pss2). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 14 Jun 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore isolates from formulated ARSEF 3699. Passed through RWA 5/12/94.

4461 [ARSEF 3699] J McManus (DnPfu193Pss3). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 14 Jun 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore isolate from formulated ARSEF 3699. Passed through *Diuraphis noxia* 12 May 94.

4479 LA Lacey (Pfr, PA-97) ← LS Osborne. Host not specified. Rec'd 12 Jul 1994. USA: Apopka, Florida.

4480 LA Lacey (P.fr.3660). Host not specified. Rec'd 12 Jul 1994. USA: Calexico, California.

4481 LA Lacey (Pfr3663). Host not specified. Rec'd 12 Jul 1994. USA: Calexico, California.

4482 LA Lacey (92133) ← A Kirk. Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 19 Sep 1992. Nepal: Katmandu.

4483 LA Lacey (92134) ← A Kirk. Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 19 Sep 1992. Nepal: Katmandu.

4484 LA Lacey (92135) ← A Kirk. Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 19 Sep 1992. Nepal: Katmandu.

4485 LA Lacey (92136) ← A Kirk. Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 19 Sep 1992. Nepal: Katmandu.

4486 LA Lacey (92138) ← A Kirk. Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 19 Sep 1992. Nepal: Katmandu.

4487 LA Lacey (Pfr3572). Host not specified. 19 Sep 1992. USA: McAllen, Texas.

4489 LA Lacey (Pfr3698). Host not specified. Rec'd 12 Jul 1994. USA: El Centro, California.

4490 LA Lacey (Ma8). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.

4491 LA Lacey (Ma17). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.

4492 LA Lacey (Ma18). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.

4493 LA Lacey (Ma19). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.

4494 LA Lacey (Ma20). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.

4495 LA Lacey (Ma21). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.

4496 LA Lacey (Ma22). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.

4497 LA Lacey (Ma27). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 7 Apr 1992. India: Padappai.

4498 LA Lacey (92111). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.

4499 LA Lacey (992114). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.

4501 LA Lacey (992117). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.

4502 LA Lacey (92118). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.

4503 LA Lacey (992119). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.

4698 J McManus (DnPfu28 and 96009ss#1.3Pss#1) ← LA Lacey (96009). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York.

4699 J McManus (DnPfu29 and 2198.3P) ← ARSEF (2198). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 2198 passed through and reisolated from RWA.

4700 J McManus (DnPfu28 and 2749.3Pss#1) ← ARSEF (2749). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 2749 passed through and reisolated from RWA.

4701 J McManus (DnPfu28 and 3889.3Pss#1). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 3889 passed through and reisolated from RWA.

4702 J McManus (DnPfu29 and 4460.3Pss#1) ← ARSEF (4460). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4460 passed through and reisolated from RWA.

4703 Adult, *Diuraphis noxia* [Homoptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4460 passed through and reisolated from RWA.

4704 J McManus (DnPfu29 and 4480.3P) ← ARSEF (4480). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4480 passed through and reisolated from RWA.

4705 J McManus (DnPfu28 and 4481.3Pss#1) ← ARSEF (4481). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4481 passed through and reisolated from RWA.

4706 J McManus (DnPfu28 and 4482.3Pss#1). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4482 passed through and reisolated from RWA.

4707 J McManus (DnPfu29 and 4487.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4487 passed through and reisolated from RWA.

4708 J McManus (DnPfu29 and 4489.3P) ← ARSEF (4489). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4489 passed through and reisolated from RWA.

4709 J McManus (DnPfu29 and 4491.3P) ← ARSEF (4491). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4491 passed through and reisolated from RWA.

4710 J McManus (DnPfu29 and 4492.3P) ← ARSEF (4492). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4492 passed through and reisolated from RWA.

4711 J McManus (DnPfu29 and 4493.3P) ← ARSEF (4493). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. ARSEF 4493 passed through and reisolated from RWA.

5085 LA Lacey (95075). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5086 LA Lacey (95076). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5087 LA Lacey (95077). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5088 LA Lacey (95078). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5089 LA Lacey (95079). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5090 LA Lacey (95080). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5107 LA Lacey (95097). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5113 LA Lacey (95103). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5115 LA Lacey (95105). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5116 LA Lacey (95106). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5117 LA Lacey (95107). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5118 LA Lacey (95108). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5119 LA Lacey (95109). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5121 LA Lacey (95111). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5122 LA Lacey (95071). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5154 DR Sosa-Gómez (CNPSo-P77). *Bemisia argentifolii* [Homoptera: Aleyrodidae]. 30 Jan 1996. Brazil: Primeiro de Maio, Paraná.

5155 DR Sosa-Gómez (CNPSo-P78). *Bemisia argentifolii* [Homoptera: Aleyrodidae]. 30 Jan 1996. Brazil: Primeiro de Maio, Paraná.

5156 DR Sosa-Gómez (CNPSo-P79). *Bemisia argentifolii* [Homoptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.

5157 DR Sosa-Gómez (CNPSo-P80). *Bemisia argentifolii* [Homoptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.

5158 DR Sosa-Gómez (CNPSo-P81). *Bemisia argentifolii* [Homoptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.

5159 DR Sosa-Gómez (CNPSo-P82). *Bemisia argentifolii* [Homoptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.

5251 SARL (1) ← SP Wraight (LEP-1). Larva, [Lepidoptera] Broccoli leaf. 18 Nov 1992. USA: Santa Maria, Texas.

5252 SARL (2) ← SP Wraight (LEP-2). Larva, [Lepidoptera] Broccoli leav. 18 Nov 1992. USA: Santa Maria, Texas.

5253 SARL (3) ← SP Wraight (EC-1). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1996. USA: Santa Maria, Texas.

5254 SARL (4) ← SP Wraight (EC-2). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1996. USA: Santa Maria, Texas.

5255 SARL (5) ← SP Wraight (EC-3). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.

5256 SARL (6) ← SP Wraight (EC-4). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.

5257 SARL (7) ← SP Wraight (EC-5). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.

5258 SARL (8) ← SP Wraight (EC-6). Adult, *Eretmocerus californicus* [Hymenoptera: Aphelinidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.

5260 SARL (10) ← SP Wraight (SPW-16). *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.

5261 SARL (11) ← SP Wraight (SPW-17). *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.

5262 SARL (12) ← SP Wraight (SPW-18). *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.

5263 SARL (13) ← SP Wraight (SPW-19). *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.

5264 SARL (14) ← SP Wraight (SPW-20). *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.

5265 SARL (15) ← SP Wraight (SPW-21). *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.

5266 SARL (16) ← SP Wraight (SPW-22). *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.

5267 SARL (17) ← SP Wraight (SPW-23). *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli leaf. 18 Nov 1992. USA: Santa Maria, Texas.

5268 SARL (18) ← SP Wraight (SPW-24). *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli leaf. 18 Nov 1992. USA: Santa Maria, Texas. Many of the conidia seem a bit shorter and more ovoid than is usual for this

species. Conidia in mass do have the gray/pink appearance expected of Pfr.

5269 SARL (19) ← SP Wraight (SPW-29). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Cabbage leaf. 10 Feb 1993. USA: Santa Maria, Texas.

5270 SARL (20) ← SP Wraight (SPW-30). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Cabbage leaf. 10 Feb 1993. USA: Santa Maria, Texas.

5271 SARL (21) ← SP Wraight (SPW-31). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Cabbage leaf. 10 Feb 1993. USA: Santa Maria, Texas.

5272 SARL (30) ← SP Wraight ← LA Lacey (92119) ← APHIS (WFP-362). *Bemisia tabaci* [Homoptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.

5297 [APHIS WFP-363] SARL (34) ← LA Lacey (92135) ← A Kirk. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 6 Oct 1996. Nepal: Katmandu.

5298 [APHIS WFP-362] SARL (35) ← LA Lacey (92118). *Bemisia tabaci* [Homoptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.

5299 SARL (36) ← SP Wraight (LACEY 921155-BT1) ← SARL (28). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.

5300 SARL (37) ← SP Wraight (Lacey 92133-Bt1) ← SARL (29). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.

5301 SARL (38) ← S Wraight (Lacey 92119-Bt1) ← SARL (30). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.

5302 SARL (39) ← S Wraight (Lacey Ma19-Bt1) ← SARL (31). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.

5303 SARL (40) ← SP Wraight (Lacey Ma21-Bt1). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.

5304 SARL (42) ← SP Wraight (Lacey 92135-Bt1) ← SARL (34). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.

5305 SARL (43) ← SP Wraight (Lacey 92118-Bt1) ← SARL (35). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.

5307 SARL (45) ← SP Wraight. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Mar 1993. USA: Santa Maria, Texas.

5308 SARL (98) ← SP Wraight (SPW-34). *Bemisia tabaci* [Homoptera: Aleyrodidae]. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.

5309 SARL (99) ← SP Wraight (SPW-35). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.

5310 SARL (100) ← SP Wraight (SPW-36). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.

5311 SARL (101) ← SP Wraight (SPW-37). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.

5312 SARL (102) ← SP Wraight (SPW-38). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.

5313 SARL (103) ← SP Wraight (SPW-39). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.

5314 SARL (104) ← SP Wraight (SPW-40). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.

5315 SARL (105) ← SP Wraight (SPW-41). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 26 Mar 1993. USA: Greenhouse, SARL, Weslaco, Texas.

5316 SARL (118) ← SP Wraight (3572-Bt-9) ← ARSEF (3572). *Bemisia tabaci* [Homoptera: Aleyrodidae]. 10 Mar 1993. USA: Weslaco, Texas.

5317 SARL (119) ← SP Wraight (3572-Bt-10) ← ARSEF (3572). *Bemisia tabaci* [Homoptera: Aleyrodidae]. 10 Mar 1993. USA: Weslaco, Texas.

5318 SARL (120) ← SP Wraight (3572-Bt-11) ← ARSEF (3572). *Bemisia tabaci* [Homoptera: Aleyrodidae]. 10 Mar 1993. USA: Weslaco, Texas.

5319 SARL (121) ← SP Wraight (3572-Bt-12) ← ARSEF (3572). *Bemisia tabaci* [Homoptera: Aleyrodidae]. 10 Mar 1993. USA: Weslaco, Texas.

5320 SARL (124) ← SP Wraight (SPW-50). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 8 Sep 1993. USA: Weslaco, Texas. Conidia seem a bit shorter and more ovoid than would be normal for this species and colony/conidial mass is a bit less colored than expected.

5322 SARL (126) ← SP Wraight (SPW-52) ← JA Correa. Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.

5323 SARL (127) ← SP Wraight (SPW-53) ← JA Correa. Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.

5324 SARL (128) ← SP Wraight (SPW-54) ← JA Correa. Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.

5325 SARL (129) ← SP Wraight (SPW-55). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.

5326 SARL (130) ← SP Wraight (SPW-56) ← JA Correa. Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Soybean. 9 Sep 1993. USA: Rio Farm variety trial field, Monte Alto, Texas.

5327 SARL (131) ← SP Wraight (3572-Bt-1) ← ARSEF (3572). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. Rec'd 27 Aug 1996. USA: Phoenix, Arizona.

5328 SARL (132) ← SP Wraight (3572-Bt-2) ← ARSEF (3572). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. Rec'd 27 Aug 1996. USA: Phoenix, Arizona.

5329 SARL (145) ← SP Wraight (3572-Btx3) ← ARSEF (3572). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 27 Aug 1996. Location not specified: Laboratory manipulation.

5330 SARL (147) ← S Doerfler and B Flores ← TJ Poprawski. Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Okra. 6 Sep 1994. USA: Harlingen, Texas.

5331 SARL (149) ← S Doerfler, B Flores and TJ Poprawski. Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Okra. 6 Sep 1994. USA: Harlingen, Texas.

5462 TJ Poprawski (TJP927). 3rd instar larva, *Bemisia argentifolii* [Homoptera: Aleyrodidae]. Rec'd 9 May 1997. USA: Weslaco, Texas. From Mycotech 612 prepared as freeze-dried blastospores.

5463 TJ Poprawski (TJP928). 3rd instar larva, *Bemisia argentifolii* [Homoptera: Aleyrodidae]. Rec'd 9 May 1997. USA: Weslaco, Texas. From Mycotech 612 prepared as air-dried blastospores.

5464 TJ Poprawski (TJP929). 3rd instar larva, *Bemisia argentifolii* [Homoptera: Aleyrodidae]. Rec'd 9 May 1997. USA: Weslaco, Texas. From Mycotech 612 prepared as fresh blastospores.

5475 LA Lacey (EBCL 92116). *Bemisia tabaci* [Homoptera: Aleyrodidae]. 27 Sep 1992. Pakistan: Multan.

5476 LA Lacey (EBCL 92117). *Bemisia tabaci* [Homoptera: Aleyrodidae]. 27 Sep 1992. Pakistan: Multan.

5540 FA Cantone. Rec'd 2 Jun 2000. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore isolate from ARSEF 4461 passed through *Plutella xylostella*.

5627 I Vänninen (SF86-82). Larva, *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. Aug 1986. Finland: Kymenlaakso.

5694 JM Sung (KEFC-919). [Coleoptera]. 28 Jun 1996. Republic of Korea: Book-Bang, Hong-Cheon Kun, Kangwon-do.

5844 T Steenberg (SSL 58). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.

5845 T Steenberg (SSL 59). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.

5846 T Steenberg (SSL 61). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.

5847 T Steenberg (SSL 62). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.

5855 T Steenberg (SSL 531). Nymph, *Blattella germanica* [Dictyoptera: Blattellidae]. 20 Aug 1996. Denmark: Hospital, Copenhagen, Zealand.

5860 T Steenberg (SSL 617). Adult, *Musca domestica* [Diptera: Muscidae]. Mar 1997. Denmark: Stable, Lynge, Zealand.

5874 FE Vega (EBCL 98001). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Aug 1997. Romania: Voronetz.

6192 FE Vega (EBCL 99029). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.

6203 FE Vega (EBCL 98039). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.

6204 FE Vega (EBCL 98040). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.

6206 FE Vega (EBCL 98042). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 1998. France: Pujaudrau.

6434 DEN Rangel (JAB 11). Biotype B, *Bemisia tabaci* [Homoptera: Aleyrodidae] on cotton. Mar 1998. Brazil: Miguelópolis, São Paulo.

6435 DEN Rangel (JAB 12). Biotype B, *Bemisia tabaci* [Homoptera: Aleyrodidae] on poinsettia. 3 Sep 1999. Brazil: Glasshouse, FCAV/UNESP, Jaboticabal, São Paulo.

6562 D Chandler (HRI 402.93). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 13 Jul 2000. United Kingdom.

6610 JL Hatting (2). Unspecified tick, [Acari]. Rec'd 27 Sep 2000. Hungary: Budapest, Budapest.

6615 JL Hatting. Rec'd 27 Sep 2000.

6730 FE Vega (EBCL 97054). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 23 Feb 2001. Ivory Coast.

6789 FJ Posada (CEFC F-0001). Nymph & adult, [Homoptera: Aphididae] on *Montanoa ovatifolia* (DC) Schultz-Bip., arboloco. May 2000. Colombia: Greenhouse, Chinchiná, Caldas.

6797 G Mercadier (EBCL 00049). *Bemisia* sp. [Homoptera: Aleyrodidae]. 7 Aug 2000. Hong Kong: Tai Lung Experimental Station, Sheung Shui.

6798 G Mercadier (EBCL 00050). *Bemisia* sp. [Homoptera: Aleyrodidae]. 7 Aug 2000. Hong Kong: Tai Lung Experimental Station, Sheung Shui.

6799 G Mercadier (EBCL 00051). Pupa, *Plutella xylostella* [Lepidoptera: Plutellidae] on *Brassica oleracea* L., cabbage. 13 Jul 2000. Australia: Tableland, Atherton, Queensland.

6800 G Mercadier (EBCL 00052). Pupa, *Plutella xylostella* [Lepidoptera: Plutellidae] on *Brassica oleracea* L., cabbage. 13 Jul 2000. Australia: Tableland, Atherton, Queensland.

6893 E Zhioua (T81). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Rec'd May 2001.

6916 C López Lastra (2). Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato in covered greenhouses. 1 Jun 2001. Argentina: Colonia Urquiza, La Plata, Buenos Aires.

7029 L Li. Rec'd 6 May 2002.

7050 C López Lastra. [Homoptera: spf. Fulgoroidea]. Nov 2001. Argentina: La Plata, Buenos Aires.

7051 C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 23 Apr 2002. Argentina: Colonia Urquiza, La Plata, Buenos Aires.

7069 T Steenberg (319). Engorged female, *Ixodes ricinus* [Acari: Ixodidae] Collected from deer. Oct 1991. Denmark: Jægersborg Dyrehave, Zealand.

7204 [CEP 051] C López Lastra. *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Apium graveolens* var. *dulce* (Miller) Pers., celery. 9 Apr 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7205 [CEP 055] C López Lastra. *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Apium graveolens* var. *dulce* (Miller) Pers., celery. 9 Jun 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7284 FE Vega (MPM-5). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jan 2004. Mexico: Tapachula, Chiapas.

7347 M Liu. 12 Aug 2003. USA: Stasley residence, La Belle, Florida.

7523 M Filotas. Rec'd 5 Nov 2004.

7716 [SRCAMB B-173] V Likhovidov ← BA Borisov. [Coleoptera]. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-189.

7740 [SRCAMB B-15] V Likhovidov ← BA Borisov. Phylum Arthropoda, Class Insecta. Jul 2001. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-194.

7743 [SRCAMB B-101] V Likhovidov ← BA Borisov. [Lepidoptera] Isolated from stroma of *Cordyceps takaomontana*. Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-282.

8142 LS Bauer and H Liu (MF-233). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8333 Z Demirbag (KTU-1). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Yomra, Trabzon.

8337 Z Demirbag (KTU-5). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Derepazari, Rize.

8345 Z Demirbag (KTU-13). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 23 Jul 2006. Turkey: Kesap, Giresun.

8348 Z Demirbag (KTU-16). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Muratli, Artvin.

8448 Z Demirbag (KTU-42). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Ikizdere, Rize.

8716 [CEP 302] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae]. 22 May 2007. **RESTRICTED ACCESS:** *consult Curator*.

8717 [CEP 303] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Apium graveolens* L., celery crop. 4 Jun 2007. Argentina: Quinta Marian del Pino, Abasto, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8718 [CEP 304] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 3 Oct 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8719 [CEP 305] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 3 Oct 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8720 [CEP 306] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 10 Oct 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8721 [CEP 307] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 16 Oct 2007. Argentina: Quinta Marcelo

Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8723 [CEP 308] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 4 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8724 [CEP 309] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Beta vulgaris* subsp. *cicla* (L.), chard. 6 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8725 [CEP 310] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Beta vulgaris* subsp. *cicla* (L.), chard. 6 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8726 [CEP 311] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Beta vulgaris* subsp. *cicla* (L.), chard. 6 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8727 [CEP 312] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 13 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8728 [CEP 313] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Solanum melongena* L., eggplant. 13 Jun 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8729 [CEP 314] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 22 May 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8730 [CEP 315] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 22 May 2007. Argentina: Quinta Marcelo Maita, Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8840 [CSIRO FI-1275] [Coleoptera: Chrysomelidae]. 5 Aug 1998. Australia: Tasmania.

8892 [CSIRO FI-1296] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from insect A11. 22 Dec 1998. Australia: Condong, New South Wales.

8928 [CEP 316] CP D'Alessandro and C López Lastra. Adult, *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Phaseolus vulgaris* L., string bean. 22 May 2007. Argentina: Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

9294 [ERL 1594] VS Gouli (Thr-08-P3). Isolated from soil sample. 2008. USA: Vermont.

9380 E Groden. Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 17 Jun 2009. USA: Acadia National Park, Mt. Desert Island, Maine.

9520 [SRCAMB VL-1528] V Likhovidov. Larva, [Lepidoptera]. 11 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-518.

9521 [SRCAMB VL-2057] V Likhovidov. *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Aug 2000. Ukraine: Kherson Oblast. Field Collection Number F-749.

9582 [ERL 1739] S Gouli and V Gouli (Thr.-08-P/16). Isolated from soil sample. 2008. USA: Vermont.

9583 [ERL 1740] S Gouli (Thr.-08-P/17) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9584 [ERL 1741] S Gouli and V Gouli (Thr.-08-P/18). Isolated from soil sample. 2008. USA: Vermont.

9585 [ERL 1742] S Gouli (Thr.-08-P/19) and V Gouli. Isolated from soil sample. 2008. USA: Vermont.

9586 [ERL 1743] S Gouli and V Gouli (Thr.-08-P/20). Isolated from soil sample. 2008. USA: Vermont.

9602 X Zou (9). [Coleoptera]. Rec'd 19 Jan 2010. PR China: Guizhou Province.

10224 M Kereselidze. Pupa, *Hyphantria cunea* [Lepidoptera: Arctiidae] from bark of *Morus* sp., mulberry. Sep 2008. Republic of Georgia: western Georgia.

10258 2010.

Isaria guaensis Rombach & Humber (unpubl. sp. nov.)
[Sordariomycetes: Hypocreales]
Cordycipitaceae

2152 MC Rombach (190386-1). [Orthoptera: Gryllidae]. 19 Mar 1986. Indonesia: burial caves at Londa, nr. Makale, Sulawesi Selatan, Celebes.

Isaria javanica (Friederichs & Bally) Samson & Hywel-Jones
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Paecilomyces javanicus* (Friederichs & Bally) Brown & Smith. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea.*

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322 GR Buckingham. *Litodactylus leucogaster* [Coleoptera: Curculionidae]. Dec 1978. USA: Gainesville, Florida.

3303 J Gutierrez Samperio (19) ← ERD Reyes. *Bemisia* sp. [Homoptera: Aleyrodidae] on watermelon. 1990. Mexico: Tecomán, Colima.

3573 TJ Poprawski (3). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3577 TJ Poprawski (7). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 3 Feb 1992. USA: cabbage field, McAllen, Texas.

3776 SP Wraight (SPW-11). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.

3778 SP Wraight (F92-2) ← J Salinus. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 9 Mar 1992. USA: Shary Plantation, Mission, Texas.

3981 LA Lacey (93018) ← INRA (Pfr028). *Mamestra brassicae* [Lepidoptera: Noctuidae]. 1975. France: Ile de France.

5259 SARL (9) ← SP Wraight (SPW-15). *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 18 Nov 1992. USA: Santa Maria, Texas.

5321 SARL (125) ← SP Wraight (SPW-51). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Broccoli. 8 Sep 1993. USA: Weslaco, Texas.

5806 DA Rodríguez Sierra (UJ89002). Rec'd 7 Aug 1998. Commercial isolate.

7119 HE Cabanillas. Adult, [Coleoptera] on wild olive tree. 29 Oct 2002. USA: Weslaco, Texas.

7477 [CEP 107] C López Lastra. *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Lycopersicon esculentum* Miller, tomato crop. 4 Apr 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.

Isaria poprawskii Cabanillas, Humber, de Léon & Jones
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7028 HE Cabanillas. *Bemisia argentifolii* [Homoptera: Aleyrodidae] on *Solanum melongena* L., eggplant in greenhouse. 28 Sep 2001. USA: Kika de la Garza Subtropical Agricultural Research Center, Weslaco, Texas. CULTURE EX TYPE.

Isaria sinclairii (Berkeley) Lloyd
[Sordariomycetes: Hypocreales]
Cordycipitaceae

6925 [ATCC 24400] Nymph, *Mogannia hebes* [Homoptera: Cicadidae]. Rec'd 30 Nov 2001. Republic of China: Taiwan. Produces thermozymocidin, myriocidin.

Isaria tenuipes Peck
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Paecilomyces tenuipes* (Peck) Samson. Reclassified during a phylogenetically necessary reclassification of *Paecilomyces* Section *Isarioidea*.

2488 SR Sánchez Peña (A1). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 16 Sep 1987. Mexico: Gómez Farias, Tamaulipas.

2489 SR Sánchez Peña (A2). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 16 Sep 1987. Mexico: Gómez Farias, Tamaulipas.

2490 SR Sánchez Peña (B1). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 16 Sep 1987. Mexico: Gómez Farias, Tamaulipas.

2491 SR Sánchez Peña (B2). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 16 Sep 1987. Mexico: Gómez Farias, Tamaulipas.

3938 DR Sosa-Gómez (CNPSo-P41). [Lepidoptera: Noctuidae]. 31 Jan 1990. Brazil: Ivatuba, Paraná.

3939 DR Sosa-Gómez (CNPSo-P42). [Lepidoptera: Noctuidae]. Acc'd 18 Oct 1993. Brazil: Ponta Porã, Mato Grosso.

4096 LA Lacey (94006). Pupa, [Lepidoptera: Noctuidae]. Rec'd 28 Mar 1994. Brazil.

5134 KT Hodge (kth32a). Pupa, [Lepidoptera]. 17 Sep 1995. USA: Swamp off Hogsback Rd., Verona, New York. Specimen deposited in Cornell Plant Pathology Herbarium as CUP 63810.

5135 KT Hodge (kth32b). Pupa, [Lepidoptera]. 17 Sep 1995. USA: Swamp off Hogsback Rd., Verona, New York. Specimen deposited in Cornell Plant Pathology Herbarium as CUP 63811.

5700 JM Sung (KEFC-1662). Pupa, Phylum Arthropoda, Class Insecta. 20 Sep 1997. Republic of Korea: Book-Bang, Hong-Cheon Kun, Kangwon-do.

6249 [RCEF 0205] Pupa, [Lepidoptera]. Rec'd 24 Aug 1999. PR China: Anhui.

6788 FJ Posada (CEFC P-0003). Pupa, *Agraulis vanillae* [Lepidoptera: Nymphalidae] on *Passiflora edulis* Sims, maracuyá or purple granadilla. May 2000. Colombia: Butterfly rearing garden, Chinchiná, Caldas.

6889 H Cortez Madrigal (Pm). *Mocis latipes* [Lepidoptera: Noctuidae] on grass. Nov 2000. Mexico: Cárdenas, Tabasco.

7735 [SRCAM F-196] V Likhovidov (B-104) ← BA Borisov. Rec'd 14 Mar 2005.

7790 [SRCAM VLI-63] V Likhovidov. Rec'd 29 Sep 2003.

9531 [SRCAMB VL-1667] V Likhovidov. Pupa, [Lepidoptera]. 19 Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-476.

9532 [SRCAMB VL-1564] V Likhovidov. Pupa, [Lepidoptera]. 14 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-488.

9533 [SRCAMB VL-1565/4] V Likhovidov. [Araneida]. 14 Sep 2004. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-554.

9534 [SRCAMB B-667] V Likhovidov ← BA Borisov. Larva, [Lepidoptera]. 8 Jul 2005. Ukraine: Kiev. Field Collection Number F-1033.

Lagenidium caudatum GL Barron
[Peronosporomycetes: Lagenidiales]
Lagenidiaceae

2003 [ATCC 58383] BA Jaffee (LcD). *Xiphinema rivesi* [Dorylaimida: Longidoridae]. Aug 1984. USA: Snyder County, Pennsylvania.

Lagenidium giganteum Couch
[Peronosporomycetes: Lagenidiales]
Lagenidiaceae

373 [ARSEF 746 (deaccessioned)] JN Couch ← SV Romney (LGNC-1). *Culiseta melanura* [Diptera: Culicidae]. 1975. USA: Chapel Hill, North Carolina.

748 AL Knight (LG/NC-2). [Diptera: Culicidae]. 1979. USA: Chapel Hill, North Carolina.

749 HC Chapman and FE Glenn. *Culex territans* [Diptera: Culicidae]. 1975. USA: Moss Bluff, Louisiana.

1384 EM McCray and CJ Umphlett. *Culex tarsalis* [Diptera: Culicidae]. 1979. USA: Colusa, California.

2529 [ARSEF ?1940] SP Frances (LAG) and AW Sweeney. Larva, *Forcipomyia marksae* [Diptera: Ceratopogonidae]. 8 Jun 1985. Australia: Millaa Millaa, Queensland.

2530 SP Frances (MALANDA1) and AW Sweeney. Larva, *Forcipomyia marksae* [Diptera: Ceratopogonidae]. 16 Apr 1986. Australia: Malanda, Queensland.

2531 [ATCC 76240] SP Frances (MILLAA1) and AW Sweeney. Larva, *Forcipomyia marksae* [Diptera: Ceratopogonidae]. 16 Apr 1986. Australia: Millaa Millaa, Queensland.

2532 SP Frances (MILLAA2) and AW Sweeney. Larva, *Forcipomyia marksae* [Diptera: Ceratopogonidae]. 16 Apr 1986. Australia: Millaa Millaa, Queensland.

3326 JL Kerwin. Larva, [Diptera: Culicidae]. Rec'd 20 May 1991. Colombia: nr. Medellin, Antioquia.

3327 [ARSEF 3328 (deaccessioned)] JL Kerwin (BS). *Aedes melanimon* [Diptera: Culicidae]. May 1987. USA: duck club, Butte Sink area, nr. Colusa, California.

Lasiodiplodia theobromae (Patouillard) Griffon & Maublauc
[Dothieomycetes: Dothideales]
Botryosphaeriaceae. Teleomorph: *Botryosphaeria rhodina* (Cooke) von Arx.

2170 BN Muthappa (PNG 12719). *Anoplolepsis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.

***Lecanicillium* sp.**
[Sordariomycetes: Hypocreales]
Cordycipitaceae

2009 CIRPON ← M Yasem de Romero. *Toxoptera citricida* [Homoptera: Aphididae]. 1985. Argentina: Tucumán.

3253 M Brownbridge (B). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 28 Nov 1990. USA: Allegheny Forest, Elk County, Pennsylvania.

3254 M Brownbridge (C). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 28 Nov 1990. USA: Allegheny Forest, Elk County, Pennsylvania.

3255 M Brownbridge (D). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 28 Nov 1990. USA: Allegheny Forest, Elk County, Pennsylvania.

3259 M Brownbridge (I). Brown larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 12 Dec 1990. USA: Krug, Massachusetts.

3260 M Brownbridge (J). Brown larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 12 Dec 1990. USA: Krug, Massachusetts.

7373 LG Leite. [Acari] on leaves of *Coffea* sp., coffee. Rec'd 20 May 2004. Brazil: São Paulo.

7407 M Liu (ml161). Dec 2003. USA: Maricao Forest Reserve, near visitor's center, Maricao, Puerto Rico.

7544 BJ Cole (C7). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 645. Summer 2004. USA: Mesa County, Colorado.

7622 [SRCAMB VL-925] V Likhovidov. *Parthenolecanium corni* [Homoptera: Coccidae]. 28 Aug 2002. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-163.

7624 [SRCAM F-212] V Likhovidov (VLI-408). Rec'd 14 Mar 2005.

7625 [SRCAM F-213] V Likhovidov (VLI-406). Rec'd 14 Mar 2005.

7626 [SRCAM F-214] V Likhovidov (B-61) ← BA Borisov. Rec'd 14 Mar 2005.

7627 [SRCAM F-215] V Likhovidov (B-65) ← BA Borisov. Rec'd 14 Mar 2005.

7628 [SRCAM F-216] V Likhovidov (B-81) ← BA Borisov. Rec'd 14 Mar 2005.

7629 [SRCAM F-217] V Likhovidov (B-60) ← BA Borisov. Rec'd 14 Mar 2005.

7630 [SRCAM F-219] V Likhovidov (B-42) ← BA Borisov. Rec'd 14 Mar 2005.

7632 [SRCAM F-238] V Likhovidov (B-59) ← BA Borisov. Rec'd 14 Mar 2005.

7634 [SRCAM F-312] V Likhovidov (B-259) ← BA Borisov. Rec'd 14 Mar 2005.

7635 [SRCAM F-323] V Likhovidov (B-255) ← BA Borisov. Rec'd 14 Mar 2005.

7636 [SRCAM F-340] V Likhovidov (B-260) ← BA Borisov. Rec'd 14 Mar 2005.

7849 [SRCAM VLI/B-88] V Likhovidov ← BA Borisov. Rec'd 29 Sep 2003.

8476 WC Luz (eco 81). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8639 [CENARGEN CG 826] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 18 Sep 2007. Brazil: Itiquira, Mato Grosso. **RESTRICTED ACCESS:** *consult Curator*.

9163 [ERL 751] VS Gouli (CA-771). Isolated from soil sample. 2002. USA: California.

9175 [ERL 1352] VS Gouli (HWA-06/10). *Adelges tsugae* [Homoptera: Adelgidae]. 2006. USA: Massachusetts.

9176 [ERL 1353] VS Gouli (HWA-06/11). *Adelges tsugae* [Homoptera: Adelgidae]. 2006. USA: Massachusetts.

9177 [ERL 1564] VS Gouli (Scale-09/10). [Homoptera: Coccoidea] on ornamental lemon tree. 2009. USA: Vermont.

9458 [SRCAMB VL-1169] V Likhovidov. *Tortrix viridana* [Lepidoptera: Tortricidae]. 22 Jul 2003. Russian Federation: Serpukhov District, Moscow Region. Field Collection Number F-352.

9459 [SRCAMB VL-1587/2] V Likhovidov. [Coleoptera: Silphidae]. 14 Sep 2004. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-524.

9465 [SRCAMB VL-2005] V Likhovidov. Phylum Myxomycota, Class Myxomycetes. 5 Sep 2005. Russian Federation: Moscow Region. Field Collection Number F-862.

9466 [SRCAMB VL-2109] V Likhovidov. *Orthezia urticae* [Homoptera: Ortheziidae]. 14 Sep 2006. Russian Federation: Moscow Region. Field Collection Number F-1093.

9478 [SRCAMB VL-2099] V Likhovidov. Isolated from stroma of *Elaphocordyceps capitata*25 Aug 2006. Russian Federation: Tver Region. Field Collection Number F-1088.

9609 T Myles. Rec'd 16 Mar 2010.

9924 [ERL 1768] S Gouli (HWA-G-46) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

9925 [ERL 1769] S Gouli and V Gouli (HWA-G-47). *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

9926 [ERL 1770] S Gouli (HWA-G-48) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

9930 [ERL 1774] S Gouli (Thr.-09-6) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.

9931 [ERL 1775] S Gouli and V Gouli (Thr.-09-7). [Thysanoptera: Thripidae]. 2010. USA: Vermont.

9935 [ERL 1779] S Gouli and V Gouli (Thr.-09-11). [Thysanoptera: Thripidae]. 2010. USA: Vermont.

9936 [ERL 1780] S Gouli (Thr.-09-12) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.

10154 [ERL 1814] S Gouli (Thr.-10-16) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Altona, New York.

10164 [ERL 1824] S Gouli (Thr.-10-26) and V Gouli. [Acari] mites. 2010. USA: Rupert, Vermont.

10187 [ERL 1865] S Gouli (Thr.-10-73) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10188 [ERL 1866] S Gouli and V Gouli (Thr.-10-74). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10189 [ERL 1867] S Gouli (Thr.-10-75) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10190 [ERL 1868] S Gouli and V Gouli (Thr.-10-76). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10192 [ERL 1870] S Gouli and V Gouli (Thr.-10-78). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Westfield, Vermont.

10193 [ERL 1871] S Gouli (Thr.-10-79) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.

10195 [ERL 1873] S Gouli (Thr.-10-81) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.

10196 [ERL 1874] S Gouli and V Gouli (Thr.-10-82). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.

10197 [ERL 1875] S Gouli (Thr.-10-83) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.

10198 [ERL 1876] S Gouli and V Gouli (Thr.-10-84). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.

10199 [ERL 1877] S Gouli (Thr.-10-85) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.

10200 [ERL 1878] S Gouli and V Gouli (Thr.-10-86). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.

10201 [ERL 1879] S Gouli (Thr.-10-87) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10202 [ERL 1880] S Gouli and V Gouli (Thr.-10-88). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10203 [ERL 1881] S Gouli (Thr.-10-89) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10206 [ERL 1884] S Gouli and V Gouli (Thr.-10-92). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.

10207 [ERL 1885] S Gouli (Thr.-10-93) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.

10208 [ERL 1886] S Gouli (Thr.-10-94) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10209 [ERL 1887] S Gouli and V Gouli (Thr.-10-95). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10210 [ERL 1888] S Gouli (Thr.-10-96) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10211 [ERL 1889] S Gouli and V Gouli (Thr.-10-97). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10212 [ERL 1890] S Gouli (Thr.-10-98) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10213 [ERL 1891] S Gouli and V Gouli (Thr.-10-99). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10214 [ERL 1892] S Gouli (Thr.-10-100) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Rupert, Vermont.

10215 [ERL 1893] S Gouli and V Gouli (Thr.-10-101). [Acari]. 2010. USA: Rupert, Vermont.

10216 [ERL 1894] S Gouli (Thr.-10-102) and V Gouli. [Acari]. 2010. USA: Rupert, Vermont.

10217 [ERL 1895] S Gouli and V Gouli (Thr.-10-103). [Acari]. 2010. USA: Sharon Springs, New York.

10218 [ERL 1896] S Gouli (Thr.-10-104) and V Gouli. [Acari]. 2010. USA: Sharon Springs, New York.

10287 [ERL 1932] S Gouli (Thr.-10-138) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10288 [ERL 1933] S Gouli (Thr.-10-139) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10289 [ERL 1934] S Gouli and V Gouli (Thr.-10-140). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10290 [ERL 1935] S Gouli (Thr.-10-141) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10291 [ERL 1936] S Gouli (Thr.-10-142) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.

10294 [ERL 1939] S Gouli (Thr.-10-145) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10295 [ERL 1940] S Gouli and V Gouli (Thr.-10-146). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10296 [ERL 1941] S Gouli (Thr.-10-147) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10297 [ERL 1942] S Gouli (Thr.-10-148) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10298 [ERL 1943] S Gouli and V Gouli (Thr.-10-149). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10299 [ERL 1944] S Gouli (Thr.-10-150) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10300 [ERL 1945] S Gouli (Thr.-10-151) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10301 [ERL 1946] S Gouli and V Gouli (Thr.-10-152). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10302 [ERL 1947] S Gouli (Thr.-10-153) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.

10303 [ERL 1948] S Gouli (Thr.-10-154) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.

10304 [ERL 1949] S Gouli and V Gouli (Thr.-10-155). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.

10305 [ERL 1950] S Gouli (Thr.-10-156) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.

10306 [ERL 1951] S Gouli (Thr.-10-157) and D Tobi. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.

Lecanicillium aphanocladii Zare & W Gams
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Major synonym: *Aphanocladium aranearum* (Petch) W Gams

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2324 TJ Poprawski (8648). *Myzus* nr. *persicae* [Homoptera: Aphididae]. 14 Nov 1986. France: greenhouse, Béhoust, Yvelines.

6433 DEN Rangel (FTRI A1) ← Triangulo Agroindustrial S.A.. Rec'd 14 Feb 2001. Brazil: Pontes e Lacerda, Mato Grosso.

9440 [SRCAMB B-238] V Likhovidov ← BA Borisov. Isolated from stroma of *Cordyceps variegata*12 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-923.

9461 [SRCAMB B-230] V Likhovidov ← BA Borisov. Isolated from air sample. Apr 2003. Russian Federation: environs of Moscow, Moscow Region. Field Collection Number F-252.

9611 JG Banu (1). *Paracoccus marginatus* [Homoptera: Pseudococcidae]. Dec 2009. India: Coimbatore, Tamil Nadu.

9615 S Jeyarani (TNAU 1). *Tetranychus urticae* [Acari: Tetranychidae] on *Cajanus cajan* (L.) Millsp., red gram. Jan 2010. India: Coimbatore, Tamil Nadu.

Lecanicillium aphanocladii(?) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7985 [ARSEF 8640; CENARGEN CG 422] *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 29 Mar 2006. Brazil: Dom Aquino, Mato Grosso. **RESTRICTED ACCESS:** *consult Curator*.

7986 *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 29 Mar 2006. Brazil: Manaus, Amazonas. **RESTRICTED ACCESS:** *consult Curator*.

7987 Rec'd 29 Mar 2006. **RESTRICTED ACCESS:** *consult Curator*.

Lecanicillium flavidum (W Gams & Zaayen) W Gams & Zare
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Synonym: *Verticillium fungicola* var. *flavidum* W Gams & Zaayen

4519 KT Hodge (kth14). Basidiocarp, *Entoloma* sp. [Agaricales: Entolomataceae]. 9 Jul 1994. USA: Forest Home Drive, Ithaca, New York. Mycoparasite. Original specimen deposited in the Cornell University Plant Pathology Herbarium as CUP 63313.

Lecanicillium fungicola (Preuss) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Synonym: *Lecanicillium fungicola* (Preuss) Hassebrauk

9482 [SRCAMB VL-1556/1] V Likhovidov. [Homoptera: Aleyrodidae]. 12 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-493.

9483 [SRCAMB VL-2063] V Likhovidov. Larva, [Coleoptera: Elateridae] Isolated from *Cordyceps* sp. Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-928.

Lecanicillium fusisporum (W Gams) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Synonym: *Verticillium fusisporum* W Gams

5583 T Steenberg (MP6-9). *Myzus persicae* [Homoptera: Aphididae]. Rec'd 17 Nov 1997. Denmark: Lyngby, Zealand. Single spore isolate from ARSEF 4078.

Lecanicillium fusisporum(?) (W Gams) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Synonym: *Verticillium fusisporum* W. Gams

5578 T Steenberg (625). Adult, *Musca domestica* [Diptera: Muscidae]. Aug 1997. Denmark: Store Karleby, Zealand.

5579 T Steenberg (626). Adult, *Musca domestica* [Diptera: Muscidae]. Aug 1997. Denmark: Roskilde, Zealand.

10184 [ERL 1863] S Gouli and V Gouli (Thr.-10-71). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.

Lecanicillium lecanii (Zimmermann) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas. Teleomorph: *Cordyceps confragosa* (Mains) GH Sung, JM Sung, Hywel-Jones & Spatafora [basionym: *Torrubiella confragosa* Mains]

555 P Kanagaratnam. *Lecanium viridis* [Homoptera: Lecaniidae] on coffee on wet leaves under coconut. Dec 1980. Sri Lanka: Bandirippuwa Est., Coconut Res. Inst, Lunuwila.

1351 S Balazy (1592). Rec'd 19 May 1984. Poland.

1505 I Majchrowicz (70) ← F Herard. Imago, *Pyrrhalta luteola* [Coleoptera: Chrysomelidae]. May 1983. France: Entraigues, Vaucluse.

1787 IL Sivcev (287). 3rd instar larva, *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 1 Oct 1984. Yugoslavia: PKB Commune, E. Belgrade.

1905 MC Rombach (14). [Araneida] on cacao. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

2149 DG Holdom (030386-1). *Coccus viridis* [Homoptera: Coccidae] on coffee. 3 Mar 1986. Indonesia: Yogyakarta, Java.

2150 DG Holdom (030386-2). *Coccus viridis* [Homoptera: Coccidae] on coffee. 3 Mar 1986. Indonesia: Yogyakarta, Java.

3387 I Majchrowicz (40). *Myzus persicae* [Homoptera: Aphididae] on cabbage. Jul 1991. USA: laboratory cages, Yakima, Washington.

3683 AD Ali and M Brownbridge (F1.2) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.

3688 M Brownbridge (F6) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.

5706 JL Hatting (4). *Diuraphis noxia* [Homoptera: Aphididae] on *Triticum aestivum*. 5 Sep 1997. South Africa: Moorreesburg, Western Cape Province.

6791 FJ Posada (CEFC V-0002). Adult, *Ceroplastes* sp. [Homoptera: Coccidae] on *Passiflora adenopoda* DC., passionflower. Jul 2000. Colombia: Greenhouse, Chinchiná, Caldas.

6886 H Cortez Madrigal (Vu). *Uroleucon ambrosiae* [Homoptera: Aphididae] on weed, *Compositae*. Aug 2000. Mexico: Cárdenas, Tabasco.

6887 H Cortez Madrigal (Vs). [Homoptera: Aphididae] on forest tree. 22 Jun 2000. Mexico: Huimanguillo, Tabasco.

6888 H Cortez Madrigal (Ve). [Homoptera: Coccidae] on ornamental tree. 4 Nov 1999. Mexico: Cárdenas, Tabasco.

6915 I Klingen (NCRI 03/01/Vl). *Myzus cerasi* [Homoptera: Aphididae]. 12 Jun 2001. Norway: Kaia, Ås, Akershus.

7181 H Liu (MSUFS-701). Adult, *Plectrodera scalator* [Coleoptera: Cerambycidae] from laboratory colony. 18 Dec 2001. USA: East Lansing, Michigan.

7182 H Liu (MSUFS-702). Adult, *Plectrodera scalator* [Coleoptera: Cerambycidae] from laboratory colony. 18 Dec 2001. USA: East Lansing, Michigan.

7207 [CEP 057] C López Lastra. *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Apium graveolens* var. *dulce* (Miller) Pers., celery. 7 Jul 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7385 M Liu (ml178-1). 16 Dec 2003. USA: Guilarte, Adjuntas, Puerto Rico. Cultured from *Torrubiella confragosa* Mains.

7408 M Liu (ml172-2). [Homoptera: Coccoidea]. 16 Dec 2003. USA: Guilarte Forest Reserve, outside manager's office, Adjuntas, Puerto Rico. Cultured from *Torrubiella confragosa* Mains.

7462 [CEP 108] C López Lastra. *Myzus persicae* [Homoptera: Aphididae] from laboratory colony. 25 Apr 2004. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7530 S Keller (950). *Aphis rumicis* [Homoptera: Aphididae]. 14 Oct 2003. Switzerland: Watt, Zurich.

7550 I Marchizeli Wenzel. [Homoptera: Coccoidea]. Rec'd 24 Jan 2005. Brazil: Ubirajara, São Paulo.

8115 LS Bauer and H Liu (MF-204). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.

8295 YK Caner (21). Rec'd 22 Aug 2006. Turkey: mah 2, Seyhli, Istanbul.

Lecanicillium lecanii(?) (Zimmermann) Zare & Gams [Sordariomycetes: Hypocreales]

Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas.

1109 KV Deseö (29) ← Pasqualini. *Cydia pomonella* [Lepidoptera: Tortricidae]. Apr 1982. Italy: Ravenna, Emilia-Romagna.

3689 M Brownbridge (F7) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.

3882 [ARSEF 3836] N Underwood (3836) ← S Meyer (3836). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 24 Feb 1993. Laboratory manipulation. Reisolated from bioassay.

3883 [ARSEF 3837] N Underwood (3837) ← S Meyer (3837). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 24 Feb 1993. Laboratory manipulation. Reisolated from bioassay.

3884 [ARSEF 3839] S Meyer (3839) ← N Underwood (3839). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 24 Feb 1993. Laboratory manipulation. Reisolated from bioassay.

4060 T Steenberg (VT2). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae]. Jul 1989. Denmark: Lyngby, Zealand.

5136 S Onofri (n°1). Moss. Rec'd 26 Feb 1996. Antarctica: Crater Cirque.

5137 S Onofri (n°2). Soil. Rec'd 26 Feb 1996. Antarctica: Mt. Melbourne. Isolated from soil heated by volcanism. **RESTRICTED ACCESS:** it contact Curator.

5138 S Onofri (n°3). Moss. Rec'd 26 Feb 1996. Antarctica: Kay Island. **RESTRICTED ACCESS:** it contact Curator.

5580 T Steenberg (TT4). *Thrips tabaci* [Thysanoptera: Thripidae]. Rec'd 17 Nov 1997. Denmark.

5581 T Steenberg (VL10). [Homoptera: Aphididae]. Rec'd 17 Nov 1997. Denmark.

5584 T Steenberg (A2). *Haematobia irritans* [Diptera: Muscidae]. Rec'd 17 Nov 1997. Denmark.

5585 T Steenberg (A16). *Haematobia irritans* [Diptera: Muscidae]. Rec'd 17 Nov 1997. Denmark.

6289 S Farrokhi (PPDRI 4). *Coccus hesperidium* [Homoptera: Coccidae]. Oct 1996. Iran: Amal.

8293 YK Caner (14). Rec'd 22 Aug 2006. Turkey: Uzgur Köyü, Samsun.

8294 YK Caner (15). Rec'd 22 Aug 2006. Turkey: Yagizli, Ordu.

Lecanicillium longisporum (Petch) Zare & W Gams [Sordariomycetes: Hypocreales]

Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas

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321 GR Buckingham. *Rhopalosiphum nymphaeae* [Homoptera: Aphididae]. Dec 1978. USA: Crystal River, Gainesville, Florida.

974 [GCRI 93-82a] RA Hall. [Homoptera: Aphididae]. Acc'd 17 Oct 1983. Venezuela.

1026 [GCRI 13-74] RA Hall. *Myzus persicae* [Homoptera: Aphididae]. 1974. India: Nagaich.

2460 TJ Poprawski (8705) ← AJ Nasca (VL-T9). *Toxoptera citricida* [Homoptera: Aphididae]. 1984. Argentina: Tucumán. 29547.

3701 LA Lacey (059) ← BL Parker. Adult, [Thysanoptera: Thripidae]. 26 Mar 1992. France: Bellegarde, Gard.

4050 T Steenberg (299). *Tachyporus hypnorum* [Coleoptera: Staphylinidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.

5126 [Horticulture Research International 1.72] D Chandler (HRI 1.72). *Macrosiphoniella sanborni* [Homoptera: Aphididae] on chrysanthemums in a heated greenhouse. 1972. United Kingdom: Littlehampton, West Sussex, England. Used in Vertalec.

7206 [CEP 056] C López Lastra. *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Apium graveolens* var. *dulce* (Miller) Pers., celery. 2 Jul 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7457 [CEP 100] C López Lastra. [Homoptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 16 Mar 2004. Argentina: Bartolomé Bavio, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7458 [CEP 101] C López Lastra. [Homoptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 16 Mar 2004. Argentina: Bartolomé Bavio, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7459 [CEP 106] C López Lastra. [Homoptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 13 Apr 2004. Argentina: Bartolomé Bavio, Buenos Aires.

7461 [CEP 056] C López Lastra. *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Apium graveolens* L., celery crop. 2 Jul 2003. Argentina: El Peligro, La Plata, Buenos Aires.

7783 [CEP 188] C López Lastra ← AC Scorsetti. [Homoptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 1 Mar 2005. Argentina: General Mansilla, Partido Magdalena, Buenos Aires.

7784 [CEP 190] C López Lastra ← AC Scorsetti. [Homoptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 22 Mar 2005. Argentina: General Mansilla, Partido Magdalena, Buenos Aires.

7923 KT Hodge ← MR Faria. [Homoptera: Aphididae] on lower leaf surface of an aquatic plant. 19 Sep 2005. USA: Northeast Elementary School, Ithaca, New York.

8042 E Herrera Navarro (V.l. - Colima). [Homoptera: Aphididae] collected from *Citrus limon* (L.) Burm., lemon trees. Rec'd 24 May 2006. Mexico: Colima.

8297 YK Caner (29). Rec'd 22 Aug 2006. Turkey: Bulancak, Giresun.

Lecanicillium muscarium (Petch) Zare & W Gams [Sordariomycetes: Hypocreales]

Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas

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204 RT Mietkiewski. *Macrosiphum euphorbiae* [Homoptera: Aphididae]. 6 Feb 1978. USA: greenhouse, Orono, Maine.

310 H Beerman. Single spore isolate of Vertalec. 3 Jan 1979. Laboratory manipulation.

311 H Beerman. Single spore isolate of Vertalec. 3 Jan 1979. Laboratory manipulation.

312 H Beerman. Single spore isolate of Vertalec. 3 Jan 1979. Laboratory manipulation.

313 H Beerman. Single spore isolate of Vertalec. 3 Jan 1979. Laboratory manipulation.

314 H Beerman. Single spore isolate of Vertalec. 3 Jan 1979. Laboratory manipulation.

795 [ATCC 58909] GA Kuter (182). Leaf litter under sugar maple. 1975. USA: Abraham's Woods, University of Wisconsin Arboretum, Green County, Wisconsin.

810 E Ballard. *Ochlerotatus triseriatus* [Diptera: Culicidae]. 20 Jul 1982. USA: Berea, Kentucky.

811 RG Lawlor ← Tate and Lyle Ltd. Commercial formulation. Acc'd 9 Feb 1983. Laboratory manipulation.

900 Z Feng. *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Spring 1983. USA: Batavia, New York.

972 [GCRI 55-81] RA Hall. *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae]. Acc'd 17 Oct 1983. Poland: glasshouse.

973 [GCRI 59-81] RA Hall. *Cossula cossus* [Lepidoptera: Cossidae]. Acc'd 17 Oct 1983. Italy.

980 [GCRI 12-74] RA Hall. *Pulvinaria floccifera* [Homoptera: Coccidae]. Acc'd 17 Oct 1983. Turkey.

994 J Aoki (Vert. 1). *Adoxophyes orana* [Lepidoptera: Tortricidae]. Feb 1980. Japan: Iruma, Saitama Prefecture.

1002 J Aoki (Har. 1) ← M Shimazu. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.

1029 [GCRI 8-73] RA Hall. *Saissetia oleae* [Homoptera: Coccidae]. 1973. Israel.

1033 [GCRI 20-79] RA Hall. *Icerya purchasi* [Homoptera: Margarodidae]. 1979. Sri Lanka.

1102 [FPMI 708] KV Deseö (6). Larva, *Cossula cossus* [Lepidoptera: Cossidae]. Apr 1981. Italy: Galliera.

1328 TJ Poprawski (084). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 17 May 1983. France: Chichery.

1330 S Balazy (1428). Adult, [Hymenoptera: Ichneumonidae]. 1 Sep 1981. Poland: Wielkopolski National Park.

1332 S Balazy (1480). 16 Mar 1982. Poland: Forest Research Institute, Warsaw.

1334 S Balazy (1453k). Rec'd 19 May 1984. Poland.

1335 S Balazy (1539). Larva, *Malachius bipustulatus* [Coleoptera: Melyridae] under the stem bark of *Quercus robur* in leafy forest. 24 Apr 1983. Poland: Wielkopolski National Park.

1352 S Balazy (1592b). Rec'd 19 May 1984. Poland.

1401 TJ Poprawski (089). Egg, *Hypera postica* [Coleoptera: Curculionidae]. Jun 1983. France.

1402 TJ Poprawski (090). Egg, *Hypera postica* [Coleoptera: Curculionidae]. Jun 1983. France.

1403 TJ Poprawski (091). Egg, *Hypera postica* [Coleoptera: Curculionidae]. Jun 1983. France.

1774 RA Humber and MC Rombach. *Coccus viridis* [Homoptera: Coccidae] on coffee under coconut. 12 Nov 1984. Sri Lanka: Coconut Research Institute, Lunuwila.

2065 GC Carroll (6(HO-O-Hatch VIII)). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

2066 GC Carroll (4(HO-O-Hatch VIII)). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

2323 TJ Poprawski (8647). *Myzus* nr. *persicae* [Homoptera: Aphididae]. 14 Nov 1986. France: greenhouse, Béhoust, Yvelines.

2325 Adult, *Myzus* nr. *persicae* [Homoptera: Aphididae] on tobacco. 14 Nov 1986. France: greenhouse, Béhoust, Yvelines.

2326 TJ Poprawski (8650). Adult, *Myzus* nr. *persicae* [Homoptera: Aphididae] on tobacco. 14 Nov 1986. France: greenhouse, Béhoust, Yvelines.

2329 TJ Poprawski (8654). Adult, [Diptera: Tipulidae] on cotton. 29 Oct 1986. France: greenhouse, Béhoust, Yvelines.

2334 MG Feng (SAVL8602). *Sitobion avenae* [Homoptera: Aphididae] on wheat. 25 Jun 1986. USA: greenhouse, Moscow, Idaho.

2659 C Gopalakrishnan (30). [Homoptera: Aphididae]. Rec'd Nov 1988. India.

2858 MG Feng (ME8701). *Macrosiphum euphorbiae* [Homoptera: Aphididae] on field corn. Aug 1987. USA: Parma, Idaho.

2862 MG Feng (DN8801). *Diuraphis noxia* [Homoptera: Aphididae] on spring wheat. 28 Jun 1988. USA: Wilder, Idaho.

2877 MG Feng (DN8802). *Diuraphis noxia* [Homoptera: Aphididae] on spring wheat. 28 Jun 1988. USA: Wilder, Idaho.

2878 MG Feng (DN8701). *Diuraphis noxia* [Homoptera: Aphididae] on wheat. 20 Jul 1987. USA: greenhouse, Parma, Idaho.

2923 MS Goettel. [Thysanoptera: Thripidae]. Rec'd 14 Dec 1989. Canada.

3000 MS Goettel. *Diuraphis noxia* [Homoptera: Aphididae] on barley. 23 Oct 1989. Canada: nr. Writing-on-Stone Prov. Park, Warner County, Alberta.

3324 Yoder Bros. Inc. *Myzus persicae* [Homoptera: Aphididae] on carnation. Mar 1991. USA: Salinas, California.

3418 K Ostrovska (27) ← MV Herrero. Male, *Lutzomyia saulensis* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.

3464 [NRRL 52754] D Wilson ← T Whitham. Gall, *Pemphigus betae* [Homoptera: Aphididae] on narrowleaf cottonwood, *Populus angustifolia*. Rec'd 5 Nov 1991. USA: Arizona.

3531 AE Hajek (93a). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 6 Jun 1991. USA: Harris Lake, Monongalia County, West Virginia.

3600 AE Hajek (130). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 18 Jun 1991. USA: Salem Park, Ithaca, New York.

3601 AE Hajek (363). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 17 Jun 1991. USA: Sapsucker Woods, Ithaca, New York.

3684 M Brownbridge (F2.3) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.

3685 M Brownbridge (F3.1) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.

3686 M Brownbridge (F4) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.

3690 M Brownbridge (F9) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.

3691 M Brownbridge (F10) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.

3709 LA Lacey (036A) ← A Kirk. Adult, [Homoptera: Aleyrodidae]. 18 Dec 1991. Spain.

3740 D Lonsdale (AH1). *Cryptococcus fagisuga* [Homoptera: Eriococcidae] beech tree (Fagus sylvatica). Rec'd 6 Jul 1992. United Kingdom: England.

3836 [NRRL 18725] S Meyer (M1S1). Rec'd 5 Jan 1993. Laboratory manipulation. Single-spored isolate of benomyl-resistant UV mutant of ATCC 58909 by USDA-ARS Nematology Laboratory (Beltsville).

3837 [NRRL 18728] S Meyer (M10S1). Rec'd 5 Jan 1993. Laboratory manipulation. Single-spored isolate of benomyl-resistant UV mutant of ATCC 58909 by USDA-ARS Nematology Laboratory (Beltsville).

3838 [NRRL 18726] S Meyer (M2S1). Rec'd 5 Jan 1993. Laboratory manipulation. Single-spored isolate of benomyl-resistant UV mutant of ATCC 58909 by USDA-ARS Nematology Laboratory (Beltsville).

3839 [NRRL 18727] S Meyer (M9S1). Rec'd 5 Jan 1993. Laboratory manipulation. Single-spored isolate of benomyl-resistant UV mutant of ATCC 58909 by USDA-ARS Nematology Laboratory (Beltsville).

3861 [ARSEF 2862] N Underwood (ARSEF2862). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 28 Jan 1993. Laboratory manipulation.

4033 T Steenberg (239). *Sitona lineatus* [Coleoptera: Curculionidae]. Mar 1991. Denmark: Næstved, Zeeland.

4036 T Steenberg (244). Pupa, *Dendroctonus micans* [Coleoptera: Scolytidae]. Rec'd Nov 1993. Denmark.

5128 [Horticulture Research International 19.79] D Chandler (HRI 19.79). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on cucumber. 1979. United Kingdom: Littlehampton, West Sussex, England. Used in Mycotal.

5220 [ATCC 22610; CBS 384.32] France. Type culture of *Verticillium album-minimum* (A. & R. Sartory & Meyer) Westerdijk.

6118 BL Parker (SPT-2-311). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6591 [CCFC 006759; DAOM 198499] J Brodeur. Pupa, *Cydia pomonella* [Lepidoptera: Tortricidae]. 1 Jun 1988. Canada: Cantley, Québec.

6699 *Hemileia vastatrix* [Uredinales] coffee rust. Rec'd 17 Jan 2001. Ethiopia: Kefa.

6792 FJ Posada (CEFC V-0003). Adult, *Coccus viridis* [Homoptera: Coccidae] on *Coffea arabica* L., coffee. Jul 2000. Colombia: Field, Palestina, Caldas.

6914 I Klingen (NCRI 04/01/Vl). *Myzus cerasi* [Homoptera: Aphididae]. 4 Jul 2001. Norway: Agnes Volent, Klokkarstua, Hurum, Buskerud.

7034 RG Hollingsworth (KNF2002-4). [Homoptera: Aphididae]. 26 Jan 2002. USA: Hilo, Hawaii.

7037 RG Hollingsworth (KNF2002-7). [Homoptera: Cicadellidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.

7224 [SRCAM VLI/B-266] V Likhovidov. Rec'd 29 Sep 2003.

7248 JM Sung (EFCC 2011). [Coleoptera: Curculionidae]. 20 May 1998. Republic of Korea: Guryungryung, Kangwon-do.

7375 D Held. *Ceroplastes* sp. [Homoptera: Coccidae] on *Ilex* sp., holly. 26 May 2004. USA: Green Forest Nursery, Perkinston, Mississippi.

7460 [CEP 054] C López Lastra. *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] on *Apium graveolens* L., celery crop. 6 Jun 2003. Argentina: El Peligro, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7568 I Klingen (NCRI 227/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.

7620 [SRCAMB VL-1124/1] V Likhovidov. Phylum Arthropoda, Class Insecta. 9 Aug 2002. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-169.

7621 [SRCAMB VL-770/2] V Likhovidov. Pupa, [Lepidoptera]. Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-167.

7631 [SRCAM F-222] V Likhovidov (B-409) ← BA Borisov. Rec'd 14 Mar 2005.

7633 [SRCAM F-246] V Likhovidov (VLI-43). Rec'd 14 Mar 2005.

7738 [SRCAM F-314] V Likhovidov (B-234/3) ← BA Borisov. Rec'd 14 Mar 2005.

7781 [CEP 063] C López Lastra ← A Toledo. Adult, female, *Delphacodes kuscheli* [Homoptera: Delphacidae] reared on *Hordeum vulgare* L., barley. 28 Aug 2003. Argentina: greenhouse at CEPAVE, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7782 [CEP 182] C López Lastra ← AC Scorsetti. *Myzus persicae* [Homoptera: Aphididae] Laboratory colony. 29 Dec 2004. Argentina: La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7785 [CEP 194] C López Lastra ← AC Scorsetti. *Aphis fabae* [Homoptera: Aphididae] on *Solanum melongena* L., eggplant. 22 Mar 2005. Argentina: General Mansilla, Partido Magdalena, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7994 BC King (20). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AJ292388 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8041 [ATCC 26854] E Herrera Navarro (V.l. - UAM). *Parthenolecanium corni* [Homoptera: Coccidae]. Rec'd 24 May 2006. Czechoslovakia.

8048 HH Kope (PFC 5). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Eve River, Vancouver Island, British Columbia. 50°17' N, 126°18' W.

8049 HH Kope (PFC 6). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Eve River, Vancouver Island, British Columbia. 50°17' N, 126°18' W.

8050 HH Kope (PFC 9). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W.

8051 HH Kope (PFC 10). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Nimpkish, Vancouver Island, British Columbia. 50°19' N, 126°54' W.

8052 HH Kope (PFC 11). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Nimpkish, Vancouver Island, British Columbia. 50°19' N, 126°54' W.

8053 HH Kope (PFC 12). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Cowichan Lake, Vancouver Island, British Columbia. 48°50' N, 124°06' W.

8054 HH Kope (PFC 15). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W.

8114 LS Bauer and H Liu (MF-203). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.

8118 LS Bauer and H Liu (MF-208). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 14 Dec 2005. USA: Brighton, Michigan.

8157 LS Bauer and H Liu (MF-248). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Brighton, Michigan.

8163 LS Bauer and H Liu (MF-254). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Ann Arbor, Michigan.

8165 LS Bauer and H Liu (MF-257). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 10 Aug 2006. USA: Ann Arbor, Michigan.

8296 YK Caner (24). Rec'd 22 Aug 2006. Turkey: mah 1, Seyhli, Istanbul.

8642 YK Caner (2.23). Rec'd 13 Jul 2007. Turkey: Piraziz, Giresun.

8714 KL Perry. *Myzus persicae* [Homoptera: Aphididae] on potato leaves in laboratory incubator colonies. Rec'd 16 Apr 2008. USA: Cornell University, Virology-Nematology Laboratory and Greenhouse, Ithaca, New York.

8923 [ERL 281] BL Parker (AVRDC 0588B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

9267 Z Demirbag and E Tanyeli (Dm-1). *Dendroctonus micans* [Coleoptera: Scolytidae]. 24 Oct 2008. Turkey: Maçka-Zigana, Trabzon.

9268 Z Demirbag and E Tanyeli (Dm-2). *Dendroctonus micans* [Coleoptera: Scolytidae]. 24 Oct 2008. Turkey: Maçka-Zigana, Trabzon.

9467 [SRCAMB VL-779] V Likhovidov. [Araneida] Isolated from fungal synnema. 27 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-300.

9468 [SRCAMB B-244] V Likhovidov ← BA Borisov. Adult, [Lepidoptera]. 12 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-310.

9469 [SRCAMB B-245/2] V Likhovidov ← BA Borisov. Pupa, [Lepidoptera] Isolated from stroma of *Cordyceps militaris*. 13 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-353.

9470 [SRCAMB VL-1713/2] V Likhovidov. [Diptera]. 23 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-775.

9471 [SRCAMB VL-2004] V Likhovidov. [Pucciniales]. 23 Sep 2005. Russian Federation: Moscow Region. Field Collection Number F-886.

9472 [SRCAMB VL-2017] V Likhovidov. [Pucciniales]. 21 Sep 2005. Russian Federation: Moscow Region. Field Collection Number F-889.

9477 [SRCAMB B-234/1] V Likhovidov ← BA Borisov. [Lepidoptera]. Aug 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-582.

10173 [ERL 1851] S Gouli and V Gouli (Thr.-10-59). [Diptera] fungus gnats. 2010. USA: Sharon Springs, New York.

10178 [ERL 1857] S Gouli and V Gouli (Thr.-10-65). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.

Lecanicillium muscarium(?) (Petch) Zare & Gams
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Segregate species in *Lecanicillium lecanii* species complex; formerly classified as *Verticillium lecanii* (Zimmermann) Viégas.

1032 [GCRI 80-82] RA Hall. *Cydia pomonella* [Lepidoptera: Tortricidae]. 1982. Australia.

3687 M Brownbridge (F5) ← BL Parker and M Skinner. *Frankliniella occidentalis* [Thysanoptera: Thripidae] on greenhouse-grown cucumber. Mar 1992. France: CTIFL Centre de Balandran, Bellegarde, Gard.

8162 LS Bauer and H Liu (MF-253). 4th instar larva, *Agrilus planipennis* [Coleoptera: Buprestidae]. 28 Jul 2006. USA: Ann Arbor, Michigan.

8265 RJ Pereault (Walton Spray pci#2). *Conotrachelus nenuphar* [Coleoptera: Curculionidae]. Aug 2006. USA: orchard B, Frankfort, Michigan.

9462 [SRCAMB VL-2112] V Likhovidov. *Phragmidium* sp. [Pucciniales: Phragmidiaceae] on *Rubus* sp., blackberry. Oct 2006. Ukraine: Odessa Oblast. Field Collection Number F-144.

9463 [SRCAMB B-410] V Likhovidov ← BA Borisov. [Homoptera: spf. Coccoidea]. Oct 1990. Ukraine: Kherson Oblast. Field Collection Number F-224.

9464 [SRCAMB B-322] V Likhovidov ← BA Borisov. [Homoptera: Aleyrodidae]. 8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-327.

Lecanicillium* nr. *aranearum (Petch) Zare & Gams
[Sordariomycetes: Hypocreales]

Cordycipitaceae. Reclassified from *Verticillium* Section Prostrata for phylogenetically required reasons.

9460 [SRCAMB VL-2092] V Likhovidov. [Coleoptera: Lampyridae]. 25 Aug 2006. Russian Federation: Moscow Region. Field Collection Number F-1104.

Lecanicillium pissodis Kope & I. Leal
[Sordariomycetes: Hypocreales]

Cordycipitaceae

8055 [DAVFP 29230] HH Kope (PFC 17). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W.

8056 [DAVFP 29231] HH Kope (PFC 18). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W.

8057 [CBS 118231; DAVFP 29232] HH Kope (PFC 19). Adult, cadaver, *Pissodes strobi* [Coleoptera: Curculionidae]. 2003. Canada: Pacific Forestry Centre Arboretum, Vancouver Island, British Columbia. 48°28' N, 124°24' W. CULTURE EX TYPE.

Lecanicillium psalliotae (Treschow) Zare & W Gams [Sordariomycetes: Hypocreales]

Cordycipitaceae. Major synonym: *Verticillium psalliotae* Treschow

2234 LS Osborne (UK-3(3)). *Rhizoecus* sp. [Homoptera: Pseudococcidae] in soil. Acc'd 8 Sep 1986. USA: Mid-Florida Research & Education Center, Greenhouse 3, Apopka, Florida.

2235 LS Osborne (UK-3(2)). *Rhizoecus* sp. [Homoptera: Pseudococcidae] in soil. Acc'd 8 Sep 1986. USA: Mid-Florida Research & Education Center, Greenhouse 3, Apopka, Florida.

2332 MG Feng (SA8601). *Sitobion avenae* [Homoptera: Aphididae] on spring wheat. 25 Jul 1986. USA: Apple Valley Rd. & Klahr Rd., Parma, Idaho.

3416 K Ostrovska (25) ← MV Herrero. Female, *Lutzomyia sordelli* [Diptera: Psychodidae]. 22 Sep 1991. Costa Rica: Santa Rosa National Park, Guanacaste.

4960 N Viaene (11). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae] Elba muck. 13 Jul 1992. USA: Elba, New York.

4965 N Viaene (27). Egg mass, *Meloidogyne hapla* [Tylenchida: Heteroderidae] soil. 25 Sep 1992. USA: Jacobson onion field, Oswego, New York.

5249 [ATCC 14495; CBS 154.61] *Olivea colebrookeae* [Uredinales] on *Colebrookea oppositifolia*. Acc'd 19 Aug 1996. India: Khandala. Type culture of *Cephalosporium curtipes* Sacc. var. *uredinicola* Sukap. & Thirum.

5582 T Steenberg (BT5). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 17 Nov 1997. Denmark: Greenhouse, Lyngby, Zealand.

5666 BL Parker (SPT-005). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Karabyykly, Narli, Kahraman Maras.

5681 BL Parker (SPT-077). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.

5683 BL Parker (SPT-079). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.

5685 BL Parker (SPT-087). [Lepidoptera]. 17 Jan 1998. Turkey: Karabyykly, Narli, Kahraman Maras.

5763 BL Parker (SPT 051). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.

5835 BL Parker (SPT 052). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.

6071 BL Parker (SPT-U-285). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 24 Jan 1999. Syria: Al Kseabiia.

6436 DEN Rangel (JAB 13). Biotype B, *Bemisia tabaci* [Homoptera: Aleyrodidae] on poinsettia. 3 Sep 1999. Brazil: Glasshouse, FCAV/UNESP, Jaboticabal, São Paulo.

6581 G Sewify (3). *Icerya aegyptica* [Homoptera: Margarodidae]. May 2000. Egypt.

6582 G Sewify (4). *Icerya aegyptica* [Homoptera: Margarodidae]. May 2000. Egypt.

8468 WC Luz (eco 28). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8890 G George-Ambrose (SLUMAFFE 1). *Raoiella indica* [Acari: Tenuipalpidae]. Rec'd 12 Jan 2009. Saint Lucia.

9473 [SRCAMB VL-1540] V Likhovidov. Larva, Phylum Arthropoda, Class Insecta. 11 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-467.

9474 [SRCAMB VL-2011] V Likhovidov. [Homoptera: Aphididae]. 5 Sep 2005. Russian Federation: Moscow Region. Field Collection Number F-859.

10170 [ERL 1842] S Gouli (Thr.-10-50) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Altona, New York.

10175 [ERL 1854] S Gouli (Thr.-10-62) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10176 [ERL 1855] S Gouli and V Gouli (Thr.-10-63). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10177 [ERL 1856] S Gouli (Thr.-10-64) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Langdon, New Hampshire.

10179 [ERL 1858] S Gouli (Thr.-10-66) and V Gouli. [Diptera] fungus gnats. 2010. USA: Sharon Springs, New York.

10180 [ERL 1859] S Gouli and V Gouli (Thr.-10-67). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Richford, Vermont.

10181 [ERL 1860] S Gouli (Thr.-10-68) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

10182 [ERL 1861] S Gouli and V Gouli (Thr.-10-69). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

Lecanicillium psalliotae(?) (Treschow) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Synonym: *Verticillium psalliotae* Treschow

4867 BL Parker (AVRDC-0558B). Soil Allium. 3 Nov 1995. Republic of China: AVRDC Field #92, Taiwan.

10183 [ERL 1862] S Gouli (Thr.-10-70) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Randolph, Vermont.

Lecanicillium sp. 2(?) sensu W. Gams & Zare
[Sordariomycetes: Hypocreales]
Cordycipitaceae

2832 SR Sánchez Peña (2). [Coleoptera]. Jul 1987. Mexico: elev. 2900 m, Pseudotsuga-Abies forest, Pueblo Nuevo, Durango.

Lecanicillium wallacei(?) HC Evans
[Sordariomycetes: Hypocreales]
Cordycipitaceae.

10172 [ERL 1849] S Gouli and V Gouli (Thr.-10-57). [Diptera] fungus gnats. 2010. USA: Sharon Springs, New York.

10174 [ERL 1852] S Gouli (Thr.-10-60) and V Gouli. [Diptera] fungus gnats. 2010. USA: Rupert, Vermont.

Lecanicillium(?) **sp.**
[Sordariomycetes: Hypocreales]
Cordycipitaceae

9369 [ERL 1669] S Gouli and V Gouli (HWA-G-23). *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: Massachusetts.

Legeriosimilis **sp.**
[Kickxellomycotina: Harpellales]

9066 RW Lichtwardt (ALG-10-W3). [Trichoptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

Leptolegnia **sp.**
[Oomycetes: Saprolegniales]
Leptolegniaceae

2004 [ATCC 58384] BA Jaffee (WPG). *Xiphinema* sp. [Dorylaimida: Longidoridae]. 23 Jul 1984. USA: Snyder County, Pennsylvania.

Leptolegnia chapmanii Seymour
[Oomycetes: Saprolegniales]
Leptolegniaceae

2562 [ARSEF 2680] JC Lord (Bartow A). *Mansonia titillans* [Diptera: Culicidae]. 8 Feb 1988. USA: abandoned phosphate pit, Bartow, Florida.

2680 [ARSEF 2562] JC Lord (Bartow A). *Mansonia titillans* [Diptera: Culicidae]. Rec'd 6 Feb 1989. USA: abandoned phosphate pit, Bartow, Florida.

2681 JC Lord ← TJ McInnis. *Culex pipiens quinquefasciatus* [Diptera: Culicidae]. Rec'd 6 Feb 1989. USA: Clemson, South Carolina.

2682 JC Lord. *Culex* sp. [Diptera: Culicidae]. 1987. USA: ground pool, Levy County, Florida.

5499 C López Lastra. 4th instar larva, *Aedes albifasciatus* [Diptera: Culicidae]. 25 Sep 1996. Argentina: Pond located in Melchor Romero, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

6718 C López Lastra. 3rd instar larva, *Aedes aegypti* [Diptera: Culicidae]. Rec'd 19 Feb 2001. USA: Ithaca, New York. Laboratory reisolation of ARSEF 5499. **RESTRICTED ACCESS:** *consult Curator*.

7787 [CEP 196] C López Lastra. Larva, *Aedes albifasciatus* [Diptera: Culicidae]. 20 May 2005. Argentina: CEPAVE, La Plata, Buenos Aires. Re-isolated following passage through *Aedes aegypti* [Diptera: Culicidae] larva. **RESTRICTED ACCESS:** *consult Curator*.

Macrobiotophthora vermicola (McCulloch) Tucker
[Entomophthoromycotina: Entomophthorales]
Ancylistaceae

650 EC Bernard. *Cruznema lambdiense* [Rhabditida: Rhabditidae]. 1977. USA: Tennessee.

Mariannaea elegans (Corda) Samson
[Sordariomycetes: Hypocreales]
Nectriaceae. Anamorph of *Nectria mariannaeae* Samuels & Seifert.

5338 KT Hodge (kth9). From dead wood in moist chamber. Apr 1992. USA: CU Plantations, Mundy Wildflower Garden, Ithaca, New York.

5349 [CBS 745.88] GJ Samuels ← CT Rogerson (71-199). on pine. 25 Jul 1971. Venezuela: Parq. Nac. Sierre Nevada, 7 km E of Tabay, above fish hatchery at La Mucuy, La Mucuy, Merida. Culture ex holotype, *Nectria mariannaeae* Samuels & Seifert. Collector Dumont (VE 2980) Samuels & Borjas.

5350 [CBS 746.88] GJ Samuels ← CT Rogerson (71-13). From bark. 11 Jan 1971. Jamaica: Vic. Dick's Pond, W of Hardwar Gap, near Holywell Rec. Area and Wag Water River, St. Andrew Parish. Culture ex paratype, *Nectria mariannaeae* Samuels & Seifert. Collector Korf & al. (CUP-MJ 789) .

9455 [SRCAMB VL-1718] V Likhovidov. Larva, [Diptera]. 23 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-1099.

9456 [SRCAMB B-450] V Likhovidov ← BA Borisov. Larva, [Diptera]. 2004. Russian Federation: Moscow Region. Field Collection Number F-939.

Mariannaea pruinosa Liang
[Sordariomycetes: Hypocreales]
Cordycipitaceae; correct generic assignment remaining to be determined.

5413 ZQ Liang (CGAC-2281). *Iragoides fasciata* [Lepi-

doptera: Limacodidae]. Rec'd Fall 1996. PR China: tea garden, Guiyang City , Guizhou Province.

Mariannaea sp.

[Sordariomycetes: Hypocreales]

Cordycipitaceae; correct generic assignment remaining to be determined.

2930 [IMI 331276] M Skinner (PT-11). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae] from soil. Rec'd 10 Jan 1990. USA: sugar maple stand, Randolph, Vermont.

3252 M Brownbridge (A). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 28 Nov 1990. USA: Allegheny Forest, Elk County, Pennsylvania.

3257 M Brownbridge (F). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 22 Feb 1991. USA: Agway Research Farm, Tully, New York.

3258 M Brownbridge (G). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 28 Nov 1990. USA: B. Bascone, Sullivan County, New Hampshire.

3261 M Brownbridge (K). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 7 Dec 1990. USA: Williamstown, Massachusetts.

3262 M Brownbridge (L). Discolored larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 7 Dec 1990. USA: Williamstown, Massachusetts.

3263 M Brownbridge (M). Brown larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 12 Dec 1990. USA: Clark, Massachusetts.

3264 M Brownbridge (N). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.

3265 M Brownbridge (O). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.

3267 M Brownbridge (Q). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.

3268 M Brownbridge (R). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.

3269 M Brownbridge (S). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.

3270 M Brownbridge (T). Pink larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 17 Dec 1990. USA: Woods Forest, Connecticut.

3315 M Brownbridge (DT-122). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. USA: Perry's sugar maple stand, Orange County, Vermont.

3316 M Brownbridge (Williams). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. USA: William's sugar maple stand, Orange County, Vermont.

3317 M Brownbridge (Perry 2). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. Rec'd 19 Mar 1991. USA: Perry's sugar maple stand, Orange County, Vermont.

3549 M Brownbridge (R-11). Yellow mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Thurber's sugar maple stand, Windham County, Vermont.

3554 M Brownbridge (R-20.1). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Twitchell's sugar maple stand, Bennington County, Vermont.

3555 Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Twitchell's sugar maple stand, Bennington County, Vermont.

3557 M Brownbridge (R-23). Pink mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Ralph's sugar maple stand, Warren, Vermont.

3558 M Brownbridge (R-25). Pink mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Ralph's sugar maple stand, Warren, Vermont.

3559 M Brownbridge (R-27). Brown mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Begin's sugar maple stand, Windsor County, Vermont.

3562 M Brownbridge (R-31). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Motyka's sugar maple stand, Orange County, Vermont.

3563 M Brownbridge (R-34). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Motyka's sugar maple stand, Orange County, Vermont.

9932 [ERL 1776] S Gouli (Thr.-09-8) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.

9933 [ERL 1777] S Gouli and V Gouli (Thr.-09-9). [Thysanoptera: Thripidae]. 2010. USA: Vermont.

9934 [ERL 1778] S Gouli (Thr.-09-10) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.

10150 [ERL 1810] S Gouli (Thr.-10-28) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Altona, New York.

10151 [ERL 1811] S Gouli and V Gouli (Thr.-10-29). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Altona, New York.

10152 [ERL 1812] S Gouli (Thr.-10-30) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Rupert, Vermont.

10153 [ERL 1813] S Gouli and V Gouli (Thr.-10-31). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Rupert, Vermont.

10185 [ERL 1864] S Gouli (Thr.-10-72) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Orford, New Hampshire.

10194 [ERL 1872] S Gouli and V Gouli (Thr.-10-80). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.

10204 [ERL 1882] S Gouli and V Gouli (Thr.-10-90). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Langdon, New Hampshire.

10205 [ERL 1883] S Gouli (Thr.-10-91) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Langdon, New Hampshire.

Massospora cicadina Peck
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.

374 RS Soper. *Magicicada septendecim* [Homoptera: Cicadidae]. 16 Jun 1979. USA: Mohawk Lake Preserve, New Paltz, New York.

Metacordyceps yongmunensis GH Sung, JM Sung & Spatafora
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5719 JM Sung (KEFC-1190). Rec'd 11 May 1998.

Metarhiziopsis microspora D-W Li, R Cowles, & C Vossbrinck
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

8676 DW Li. *Fiorinia externa* [Homoptera: Diaspididae]. Oct 2006. USA: Coventry, Connecticut. 41°47.25' N, 72°21.50' W. Holotype deposited as BPI 878276. CULTURE EX TYPE.

8984 [ERL 1349] VS Gouli (EHS-333). *Fiorinia externa* [Homoptera: Diaspididae]. 2006. USA: Massachusetts.

8985 [ERL 1350] VS Gouli (EHS-344). *Fiorinia externa* [Homoptera: Diaspididae]. 2006. USA: Massachusetts.

8986 [ERL 1497] VS Gouli (EHS-269). *Fiorinia externa* [Homoptera: Diaspididae]. 2005. USA: New York.

8987 [ERL 1499] S Gouli (EHS-271). *Fiorinia externa* [Homoptera: Diaspididae]. 2005. USA: New York.

8988 [ERL 1502] VS Gouli (EHS-274). *Fiorinia externa* [Homoptera: Diaspididae]. 2005. USA: New York.

***Metarhizium* sp.**
[Sordariomycetes: Hypocreales]
Clavicipitaceae

2353 [ARSEF 2382 (never frozen)] MC Rombach (201286-4). [Homoptera: Cicadellidae]. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.

3613 IMI (I91-647). *Hieroglyphus daganensis*. Rec'd 26 Feb 1992. Benin.

3615 IMI (I91-672). *Zonocerus variegatus* [Orthoptera: Pyrgomorphidae]. Rec'd 26 Feb 1992. Guinea-Bissau.

3616 IMI (I91-673). *Diabolocatantops axillaris*. Rec'd 26 Feb 1992. Tchad.

3617 IMI (I91-674). *Acrida bicolor*. Rec'd 26 Feb 1992. Tchad.

3618 IMI (I91-675). *Zonocerus variegatus* [Orthoptera: Pyrgomorphidae]. Rec'd 26 Feb 1992. Mali.

3767 DW Roberts ← A Bellotti (9241). 21 Apr 1992. Colombia.

4165 [DAT 193] AC Rath (F193) ← H Yip (HY168). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.

4367 LA Lacey (94117). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4368 LA Lacey (94118). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4369 LA Lacey (94119). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4370 LA Lacey (94120). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4371 LA Lacey (94121). Soil Galleria. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4372 LA Lacey (94122). Soil. 5 May 1994. Japan: Sapporo, Hokkaido.

4373 LA Lacey (94123). Soil. 5 May 1994. Japan: Sapporo, Hokkaido.

4374 LA Lacey (94124). Soil. 5 May 1994. Japan: Sapporo, Hokkaido.

4375 LA Lacey (94125). Soil. 5 May 1994. Japan: Sapporo, Hokkaido.

4997 SR Booth (Waara). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 9 May 1995. USA: Cranberry bog, Grayland, Washington.

4998 SR Booth (Gant). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 1 Jun 1995. USA: Cranberry bog, Bandon, Oregon.

4999 SR Booth (Quinby; MSP). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 9 May 1995. USA: Cranberry bog, Grayland, Washington.

5000 SR Booth (Scherer). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 1 Jun 1995. USA: Cranberry bog, Bandon, Oregon.

5001 SR Booth (Johnson). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 17 Jul 1995. USA: Cranberry bog, Grayland, Washington.

5076 SR Booth (Warnock). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 23 Apr 1995. USA: Cranberry bog, Bandon, Oregon.

5077 SR Booth (McMahon). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 23 Feb 1995. USA: Cranberry bog, Bandon, Oregon.

5139 SR Booth (Dibkey). Soil. 28 Feb 1994. USA: Cranberry bog, Grayland, Washington.

6413 EA Ouna (Kutui-4). Rec'd 22 Dec 1999.

7389 M Liu (ml193). 17 Dec 2003. USA: Toro Negro, Puerto Rico.

7493 [CSIRO FI-1358] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 23 Jul 1999. Laboratory infection.

7495 [CSIRO FI-1395] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 27 Dec 1999. Australia: Condong, New South Wales.

7497 [CSIRO FI-1408] Isolated from soil. 18 Apr 2000. Raspardis.

7643 [SRCAM VLI-271] V Likhovidov. Rec'd 29 Sep 2003.

7645 [SRCAM F-362] V Likhovidov (B-415) ← BA Borisov. Rec'd 14 Mar 2005.

8699 ST Jaronski (GE052). *Calliptamus italicus* [Orthoptera: Catantopidae]. 7 Mar 2006. Republic of Georgia: Sagarejo, Kakheti.

8851 [CSIRO FI-1342] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect A4. Jun 1999. Australia: Condong, New South Wales.

8852 [CSIRO FI-1345] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 71. Jun 1999. Australia: Condong, New South Wales.

8855 [CSIRO FI-1352] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 420. 23 Jul 1999. Australia: Condong, New South Wales.

8856 [CSIRO FI-1353] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 334. 23 Jul 1999. Australia: Condong, New South Wales.

8857 [CSIRO FI-1354] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] from Condong insect 349. 23 Jul 1999. Australia: Condong, New South Wales.

9617 DW Roberts (DWR 356). Isolated from soil sample SS 0470. 14 Jun 2006. USA: Flaming Gorge National Recreation Area, Utah. N 40 51.222, W 109 33.964.

9618 DW Roberts (DWR 357). Isolated from soil sample SS 0715. 6 Aug 2007. USA: Grant County, North Dakota. N 46 59.052, W 101 30.944.

9619 DW Roberts (DWR 358). Isolated from soil sample SS 0520. 14 May 2007. USA: Charlottesville, Virginia.

9620 DW Roberts (DWR 364). Isolated from soil sample SS 1070. 2 Aug 2007. USA: Rolette County, North Dakota. N 48.8194, W 100.0704.

9621 DW Roberts (DWR 365). Isolated from soil sample SS 1072. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.6036, W 100.6033.

9622 DW Roberts (DWR 366). Isolated from soil sample SS 1090. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.9718, W 100.777.

9623 DW Roberts (DWR 367). Isolated from soil sample SS 1100. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.871, W 100.4677.

9624 DW Roberts (DWR 368). Isolated from soil sample SS 1102. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.001, W 100.7072.

9625 DW Roberts (DWR 369). Isolated from soil sample SS 1104. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.232, W 100.453.

9626 DW Roberts (DWR 379). Isolated from soil sample SS 1082. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.7622, W 101.2995.

9627 DW Roberts (DWR 380). Isolated from soil sample SS 1093. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.5478, W 100.6723.

9628 DW Roberts (DWR 381). Isolated from soil sample SS 1106. 6 Aug 2007. USA: Bottineau County, North Dakota. N 48.7698, W 100.4680.

9629 DW Roberts (DWR 382). Isolated from soil sample SS 0644. Summer 2007. USA: Dewey County, South Dakota. N 45.1538, W 100.388646.

9630 DW Roberts (DWR 383). Isolated from soil sample SS 1072. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.6036, W 100.6033.

9631 DW Roberts (DWR 384). Isolated from soil sample SS 1084. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.951, W 101.3027.

9632 DW Roberts (DWR 385). Isolated from soil sample SS 1083. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.8205, W 100.49503.

9633 DW Roberts (DWR 386). Isolated from soil sample SS 1090. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.9718, W 100.777.

9634 DW Roberts (DWR 387). Isolated from soil sample SS 1094. 6 Aug 2007. USA: Bottineau County, North Dakota. N 48.683, W 100.494.

9635 DW Roberts (DWR 388). Isolated from soil sample SS 1106. 6 Aug 2007. USA: Bottineau County, North Dakota. N 48.7698, W 100.4680.

9636 DW Roberts (DWR 389). Isolated from soil sample SS 1153. 28 Sep 2007. USA: Gila County, Arizona. N 33.02294, W 110.73784.

9637 DW Roberts (DWR 390). Isolated from soil sample SS 1076. 3 Aug 2007. USA: Lincoln County, Nebraska. N 40.9049, W 100.4918.

9638 DW Roberts (DWR 391). Isolated from soil sample SS 1100. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.871, W 100.4677.

9639 DW Roberts (DWR 392). Isolated from soil sample SS 1093. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.5478, W 100.6723.

9640 DW Roberts (DWR 393). Isolated from soil sample SS 1104. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.232, W 100.453.

9641 DW Roberts (DWR 456). Isolated from soil sample SS 1025. 20 Aug 2007. USA: Gila County, Arizona. N 34.30316, W 111.35052.

9642 DW Roberts (DWR 457). Isolated from soil sample SS 1079. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.9663, W 100.67.

9643 DW Roberts (DWR 459). Isolated from soil sample SS 1016. 20 Aug 2007. USA: Yavapai County, Arizona. N 34.27512, W 112.26281.

9644 DW Roberts (DWR 460). Isolated from soil sample SS 1105. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.029, W 100.452.

9645 DW Roberts (DWR 461). Isolated from soil sample SS 1098. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.5035, W 100.614.

9646 DW Roberts (DWR 462). Isolated from soil sample SS 1103. 6 Aug 2007. USA: McHenry County, North Dakota. N 47.950, W 100.455.

9647 DW Roberts (DWR 463). Isolated from soil sample SS 1112. 6 Aug 2007. USA: McHenry County, North Dakota. N 48.1781, W 100.929.

9648 DW Roberts (DWR 464). Isolated from soil sample SS 1092. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.82966, W 100.59928.

9649 DW Roberts (DWR 465). Isolated from soil sample SS 1086. 2 Aug 2007. USA: Bottineau County, North Dakota. N 48.8735, W 101.3013.

9650 DW Roberts (DWR 471). Isolated from soil sample SS 0744. 6 Aug 2007. USA: Morton County, North Dakota. N 46.55247, W 101.27917.

9651 DW Roberts (DWR 472). Isolated from soil sample SS 1154. 28 Sep 2007. USA: Gila County, Arizona. N 33.02332, W 110.73669.

9652 DW Roberts (DWR 473). Isolated from soil sample SS 1180. 28 Sep 2007. USA: Gila County, Arizona. N 33.02321, W 110.7371.

9653 DW Roberts (DWR 478). Isolated from soil sample SS 1274. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.131, W 111 49.369.

9654 DW Roberts (DWR 479). Isolated from soil sample SS 1277. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.126, W 111 49.341.

9655 DW Roberts (DWR 480). Isolated from soil sample SS 1274. 5 Jun 2008. USA: Logan Field, Logan, Utah. N 41 46.131, W 111 49.369.

9656 DW Roberts (DWR 484). Isolated from soil sample SS 1065a. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.889, W 100.4711.

9657 DW Roberts (DWR 485). Isolated from soil sample SS 1065b. 3 Aug 2007. USA: Bottineau County, North Dakota. N 48.889, W 100.4711.

9658 DW Roberts (DWR 497). Isolated from soil sample SS 1346. 8 Aug 2008. USA: Wheeler County, Nebraska.

9659 DW Roberts (DWR 498). Isolated from soil sample SS 1362. 8 Aug 2008. USA: Garfield County, Nebraska.

9660 DW Roberts (DWR 499). Isolated from soil sample SS 1393. 8 Aug 2008. USA: Blaine County, Nebraska.

9661 DW Roberts (DWR 500). Isolated from soil sample SS 3284. 4 Aug 2008. USA: Knox #1, Knox County, Texas.

9662 DW Roberts (DWR 501). Isolated from soil sample SS 1331. 8 Aug 2008. USA: Garfield County, Nebraska.

9663 DW Roberts (DWR 502). Isolated from soil sample SS 1333. 8 Aug 2008. USA: Garfield County, Nebraska.

9664 DW Roberts (DWR 503). Isolated from soil sample SS 1329. 8 Aug 2008. USA: Garfield County, Nebraska.

9665 DW Roberts (DWR 504). Isolated from soil sample SS 1336. 8 Aug 2008. USA: Garfield County, Nebraska.

9666 DW Roberts (DWR 505). Isolated from soil sample SS 1338. 8 Aug 2008. USA: Wheeler County, Nebraska.

9667 DW Roberts (DWR 507). Isolated from soil sample SS 1342. 8 Aug 2008. USA: Wheeler County, Nebraska.

9668 DW Roberts (DWR 508). Isolated from soil sample SS 1363. 8 Aug 2008. USA: Garfield County, Nebraska.

9669 DW Roberts (DWR 509). Isolated from soil sample SS 1373. 8 Aug 2008. USA: Loup County, Nebraska.

9670 DW Roberts (DWR 510). Isolated from soil sample SS 1374. 8 Aug 2008. USA: Loup County, Nebraska.

9671 DW Roberts (DWR 512). Isolated from soil sample SS 1379. 8 Aug 2008. USA: Loup County, Nebraska.

9672 DW Roberts (DWR 513). Isolated from soil sample SS 1381. 8 Aug 2008. USA: Loup County, Nebraska.

9673 DW Roberts (DWR 514). Isolated from soil sample SS 1385. 8 Aug 2008. USA: Loup County, Nebraska.

9674 DW Roberts (DWR 515). Isolated from soil sample SS 1387. 8 Aug 2008. USA: Loup County, Nebraska.

9675 DW Roberts (DWR 516). Isolated from soil sample SS 1388. 8 Aug 2008. USA: Blaine County, Nebraska.

9676 DW Roberts (DWR 517). Isolated from soil sample SS 1394. 8 Aug 2008. USA: Blaine County, Nebraska.

9677 DW Roberts (DWR 518). Isolated from soil sample SS 1361. 8 Aug 2008. USA: Garfield County, Nebraska.

9678 DW Roberts (DWR 519). Isolated from soil sample SS 1356. 8 Aug 2008. USA: Wheeler County, Nebraska.

9679 DW Roberts (DWR 520). Isolated from soil sample SS 1360. 8 Aug 2008. USA: Garfield County, Nebraska.

9680 DW Roberts (DWR 521). Isolated from soil sample SS 1349. 8 Aug 2008. USA: Wheeler County, Nebraska. .

9681 DW Roberts (DWR 522). Isolated from soil sample SS 1358. 8 Aug 2008. USA: Garfield County, Nebraska.

9682 DW Roberts (DWR 523). Isolated from soil sample SS 1410. 8 Aug 2008. USA: Blaine County, Nebraska.

9683 DW Roberts (DWR 524). Isolated from soil sample SS 1417. 8 Aug 2008. USA: Brown County, Nebraska.

9684 DW Roberts (DWR 525). Isolated from soil sample SS 1420. 8 Aug 2008. USA: Brown County, Nebraska.

9685 DW Roberts (DWR 526). Isolated from soil sample SS 1423. 8 Aug 2008. USA: Brown County, Nebraska.

9686 DW Roberts (DWR 529). Isolated from soil sample SS 3536. 28 May 2008. USA: Kit Carson County, Colorado. N 39.51167, W 102.79814.

9687 DW Roberts (DWR 534). Isolated from soil sample SS 1428. 8 Aug 2008. USA: Brown County, Nebraska.

9688 DW Roberts (DWR 535). Isolated from soil sample SS 4334. 9 Jun 2008. USA: Slope County, North Dakota. N 46.612422, W 103.624825.

9689 DW Roberts (DWR 541). Isolated from soil sample SS 1348. 8 Aug 2008. USA: Wheeler County, Nebraska.

9690 DW Roberts (DWR 542). Isolated from soil sample SS 1344. 8 Aug 2008. USA: Wheeler County, Nebraska.

9691 DW Roberts (DWR 543). Isolated from soil sample SS 1340. 8 Aug 2008. USA: Wheeler County, Nebraska.

9692 DW Roberts (DWR 544). Isolated from soil sample SS 1335. 8 Aug 2008. USA: Garfield County, Nebraska.

9693 DW Roberts (DWR 545). Isolated from soil sample SS 3531. 27 May 2008. USA: Kit Carson County, Colorado. N 39.25426, W 102.59593.

9694 DW Roberts (DWR 546). Isolated from soil sample SS 4264. 20 Aug 2008. USA: Deuel County, Nebraska. N 41.01896, W 102.31688.

9695 DW Roberts (DWR 547). Isolated from soil sample SS 4298. 25 Aug 2008. USA: Kimball County, Nebraska. N 41.03109, W 103.58331.

9696 DW Roberts (DWR 550). Isolated from soil sample SS 5196. 12 Jun 2008. USA: Tripp County, South Dakota. N 43.55949, W 100.1801.

9697 DW Roberts (DWR 572). Isolated from soil sample SS 1591. 13 Aug 2008. USA: Grant County, Nebraska. N 41.962825, W 101.5065883.

9698 DW Roberts (DWR 573). Isolated from soil sample SS 1613. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.874645, W 100.55963.

9699 DW Roberts (DWR 574). Isolated from soil sample SS 4159. 11 Aug 2008. USA: Lake County, Oregon. N 43.065365, W 120.94326.

9700 DW Roberts (DWR 575). Isolated from soil sample SS 3231. 14 Aug 2008. USA: Custer County, Nebraska. N 41.6032, W 99.368.

9701 DW Roberts (DWR 576). Isolated from soil sample SS 4919. 16 Jun 2008. USA: McKenzie County, North Dakota. N 47.45426, W 103.3229816.

9702 DW Roberts (DWR 577). Isolated from soil sample SS 4910. 20 Jun 2008. USA: Cavalier County, North Dakota. N 48.87706, W 98.44704.

9703 DW Roberts (DWR 578). Isolated from soil sample SS 3162. 20 Aug 2008. USA: Ferry County, Washington. N 48.85187, W 118.57246.

9704 DW Roberts (DWR 579). Isolated from soil sample SS 3157. 20 Aug 2008. USA: Ferry County, Washington. N 48.33129, W 118.22768.

9705 DW Roberts (DWR 580). Isolated from soil sample SS 4898. 20 Aug 2008. USA: McHenry County, North Dakota. N 47.96483, W 100.75755.

9706 DW Roberts (DWR 581). Isolated from soil sample SS 5088. 21 May 2008. USA: Dawes County, Nebraska. N 42.53034, W 103.435115.

9707 DW Roberts (DWR 582). Isolated from soil sample SS 4896. 12 Jun 2008. USA: Bottineau County, North Dakota. N 48.82642, W 100.43565.

9708 DW Roberts (DWR 587). Isolated from soil sample SS 1565. 13 Aug 2008. USA: Gosper County, Nebraska. N 40.5833, W 99.7362.

9709 DW Roberts (DWR 588). Isolated from soil sample SS 1588. 13 Aug 2008. USA: Grant County, Nebraska. N 42.00765, W 101.692933.

9710 DW Roberts (DWR 589). Isolated from soil sample SS 1601. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.952882, W 100.825563.

9711 DW Roberts (DWR 590). Isolated from soil sample SS 1596. 13 Aug 2008. USA: Grant County, Nebraska. N 41.865396, W 101.504183.

9712 DW Roberts (DWR 591). Isolated from soil sample SS 1595. 13 Aug 2008. USA: Grant County, Nebraska. N 42.057075, W 101.77683.

9713 DW Roberts (DWR 592). Isolated from soil sample SS 1608. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.821448, W 100.822816.

9714 DW Roberts (DWR 593). Isolated from soil sample SS 1566. 13 Aug 2008. USA: Hooker County, Nebraska. N 42.044426, W 101.117968.

9715 DW Roberts (DWR 594). Isolated from soil sample SS 1593. 13 Aug 2008. USA: Grant County, Nebraska. N 42.065413, W 101.530276.

9716 DW Roberts (DWR 595). Isolated from soil sample SS 1594. 13 Aug 2008. USA: Grant County, Nebraska. N 42.027168, W 101.533728.

9717 DW Roberts (DWR 596). Isolated from soil sample SS 1586. 13 Aug 2008. USA: Grant County, Nebraska. N 41.826025, W 101.760582.

9718 DW Roberts (DWR 597). Isolated from soil sample SS 2182. 12 Aug 2008. USA: Keya Paha County, Nebraska.

9719 DW Roberts (DWR 598). Isolated from soil sample SS 2191. 12 Aug 2008. USA: Cherry County, Nebraska.

9720 DW Roberts (DWR 599A). Isolated from soil sample SS 2186. 12 Aug 2008. USA: Cherry County, Nebraska.

9721 DW Roberts (DWR 599B). Isolated from soil sample SS 2185. 12 Aug 2008. USA: Cherry County, Nebraska.

9722 DW Roberts (DWR 600A). Isolated from soil sample SS 2201. 18 Aug 2008. USA: Lincoln County, Nebraska. N 40.87299, W 100.74817.

9723 DW Roberts (DWR 600B). Isolated from soil sample SS 1573. 13 Aug 2008. USA: Hooker County, Nebraska. N 42.036406, W 101.363095.

9724 DW Roberts (DWR 601). Isolated from soil sample SS 1619. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.821975, W 100.64611.

9725 DW Roberts (DWR 602). Isolated from soil sample SS 1615. 13 Aug 2008. USA: Thomas County, Nebraska. N 41.88955, W 100.620578.

9726 DW Roberts (DWR 603). Isolated from soil sample SS 3164, colony 1. 19 Aug 2008. USA: Pend Oreille County, Washington. N 48.2942, W 117.3212.

9727 DW Roberts (DWR 604). Isolated from soil sample SS 3164, colony 2. 19 Aug 2008. USA: Pend Oreille County, Washington. N 48.2942, W 117.3212.

9728 DW Roberts (DWR 605). Isolated from soil sample SS 3168. 22 Aug 2008. USA: Columbia County, Washington. N 46.5231, W 118.1798.

9729 DW Roberts (DWR 619). Isolated from soil sample SS 4206. 22 May 2008. USA: Gilliam County, Oregon. N 45.720393, W 120.03681.

9730 DW Roberts (DWR 620). Isolated from soil sample SS 4911. 16 Jun 2008. USA: Cavalier County, North Dakota. N 48.7757, W 98.47257.

9731 DW Roberts (DWR 621). Isolated from soil sample SS 1480. Jul 2008. USA: Garfield County, Washington. N 46.60686, W 117.70329.

9732 DW Roberts (DWR 632). Isolated from soil sample SS 3198. 13 Aug 2008. USA: Stevens County, Washington. N 47.9277, W 118.3314.

9733 DW Roberts (DWR 633). Isolated from soil sample SS 5165. 9 Jul 2008. USA: Banner County, Nebraska. N 41.690865, W 103.77482.

9734 DW Roberts (DWR 634). Isolated from soil sample SS 5162. 9 Jul 2008. USA: Banner County, Nebraska. N 41.42244, W 103.7332.

9735 DW Roberts (DWR 635). Isolated from soil sample SS 5161. 9 Jul 2008. USA: Banner County, Nebraska. N 41.422255, W 103.90616.

9736 DW Roberts (DWR 636). Isolated from soil sample SS 5173. 14 Jul 2008. USA: Sioux County, Nebraska. N 42.19941, W 103.65938.

9737 DW Roberts (DWR 637). Isolated from soil sample SS 5126. 8 Jul 2008. USA: Scotts Bluff County, Nebraska. N 41.900395, W 103.96573.

9738 DW Roberts (DWR 638). Isolated from soil sample SS 5125, colony 1. 21 Aug 2008. USA: Morrill County, Nebraska. N 41.94702, W 102.805535.

9739 DW Roberts (DWR 639). Isolated from soil sample SS 5125, colony 2. 21 Aug 2008. USA: Morrill County, Nebraska. N 41.94702, W 102.805535.

9740 DW Roberts (DWR 640). Isolated from soil sample SS 1675. 14 Aug 2008. USA: Howard County, Nebraska. N 41.0758, W 98.4988.

9741 DW Roberts (DWR 641). Isolated from soil sample SS 5260. 12 Jun 2008. USA: Tripp County, South Dakota. N 43.623, W 100.18025.

9742 DW Roberts (DWR 642). Isolated from soil sample SS 1476. 16 Jul 2008. USA: Walla Walla County, Washington. N 46.37046, W 118.61125.

9743 DW Roberts (DWR 643). Isolated from soil sample SS 1552. 30 Jun 2008. USA: Grant County, Washington. N 47.86587, W 119.08509.

9744 DW Roberts (DWR 655). Isolated from soil sample SS 3193. 13 Aug 2008. USA: Stevens County, Washington. N 48.6667, W 117.9522.

9745 DW Roberts (DWR 656). Isolated from soil sample SS 5131. 7 Jul 2008. USA: Box Butte County, Nebraska. N 42.268725, W 103.3067.

9746 DW Roberts (DWR 657). Isolated from soil sample SS 3274. 13 Aug 2008. USA: Custer County, Nebraska. N 41.5787, W 99.8981.

9747 DW Roberts (DWR 658). Isolated from soil sample SS 1701. 14 Jul 2008. USA: Dundy County, Nebraska. N 40.28473, W 101.56906.

9748 DW Roberts (DWR 659). Isolated from soil sample SS 7854. 10 Jun 2008. USA: Sanders, Montana.

9749 DW Roberts (DWR 660). Isolated from soil sample SS 3200. 13 Aug 2008. USA: Stevens County, Washington. N 48.6906, W 118.0891.

9750 DW Roberts (DWR 669). Isolated from soil sample SS 1700. 14 Jul 2008. USA: Dundy County, Nebraska. N 40.27132, W 101.70121.

9751 DW Roberts (DWR 670). Isolated from soil sample SS 3401. 23 Jul 2008. USA: WB-27, Oregon.

9752 DW Roberts (DWR 692). Isolated from soil sample SS 5360. 25 Jun 2008. USA: Meade County, South Dakota. N 44.645871, W 102.803646.

9753 DW Roberts (DWR 693). Isolated from soil sample SS 5384. 9 Jun 2008. USA: Haakon County, South Dakota. N 44.373687, W 101.318395.

9754 DW Roberts (DWR 694). Isolated from soil sample SS 7869. 25 Jun 2008. USA: Lake County, Montana.

9755 DW Roberts (DWR 695). Laboratory isolate from sector of DWR 604 (=ARSEF 9727). Rec'd 23 Feb 2010.

9756 DW Roberts (DWR 696). Laboratory isolate from sector of DWR 522, ARSEF 9681. Rec'd 23 Feb 2010.

9757 DW Roberts (DWR 697). Isolated from soil sample SS 3727. 24 Jun 2008. USA: El Paso County, Colorado. N 38.93254, W 104.47892.

9758 DW Roberts (DWR 712). Isolated from soil sample SS 5278, colony 1. 11 Jun 2008. USA: Tripp County, South Dakota. N 43.2273, W 100.07745.

9759 DW Roberts (DWR 713). Isolated from soil sample SS 5278, colony 2. 25 Jun 2008. USA: Tripp County, South Dakota. N 43.2273, W 100.07745.

9760 DW Roberts (DWR 714). Isolated from soil sample SS 4408, colony 1. 5 Jun 2008. USA: McKenzie County, North Dakota. N 47.396308, W 103.792566.

9761 DW Roberts (DWR 715). Isolated from soil sample SS 4408, colony 2. 5 Jun 2008. USA: McKenzie County, North Dakota. N 47.396308, W 103.792566.

9762 DW Roberts (DWR 716). Isolated from soil sample SS 4562. 19 Jun 2008. USA: Childress County, Texas. N 34.61709, W 100.22923.

9763 DW Roberts (DWR 741). Isolated from soil sample SS 3906. 3 Jul 2008. USA: Elbert County, Colorado. N 39.56473, W 104.53163.

9764 DW Roberts (DWR 742). Isolated from soil sample SS 3941. 10 Jul 2008. USA: Park County, Colorado. N 38.83554, W 105.634.

9765 DW Roberts (DWR 758). Isolated from soil sample SS 2788. 17 Jul 2008. USA: Pima County, Arizona. N 31.77063, W 110.629443.

9766 DW Roberts (DWR 759). Isolated from soil sample SS 2787. 17 Jul 2008. USA: Pima County, Arizona. N 31.77063, W 110.629443.

9767 DW Roberts (DWR 760). Isolated from soil sample SS 2789. 17 Jul 2008. USA: Pima County, Arizona. N 31.77063, W 110.629443.

9768 DW Roberts (DWR 761). Isolated from soil sample SS 8796. 11 Jun 2008. USA: Pueblo County, Colorado. N 38.393073, W 104.599656.

9769 DW Roberts (DWR 762). Isolated from soil sample SS 8797. 11 Jun 2008. USA: Pueblo County, Colorado. N 38.462466, W 104.589846.

9770 DW Roberts (DWR 763). Isolated from soil sample SS 8794. 10 Jun 2008. USA: Pueblo County, Colorado. N 37.968083, W 104.187966.

9771 DW Roberts (DWR 764). Isolated from soil sample SS 8793. 10 Jun 2008. USA: Pueblo County, Colorado. N 37.925448, W 104.132711.

9772 DW Roberts (DWR 765). Isolated from soil sample SS 8786. 10 Jun 2008. USA: Otero County, Colorado. N 37.823345, W 103.771361.

9773 DW Roberts (DWR 766). Isolated from soil sample SS 8784. 10 Jun 2008. USA: Otero County, Colorado. N 37.822876, W 103.620225.

9774 DW Roberts (DWR 767). Isolated from soil sample SS 8791. 10 Jun 2008. USA: Otero County, Colorado. N 37.900196, W 103.876408.

9775 DW Roberts (DWR 768). Isolated from soil sample SS 8795. 11 Jun 2008. USA: Pueblo County, Colorado. N 38.330548, W 104.60265.

9776 DW Roberts (DWR 793). Isolated from soil sample SS 2018. 13 Aug 2008. USA: Gosper County, Nebraska. N 40.4877, W 99.9251.

9777 DW Roberts (DWR 794). Isolated from soil sample SS 2000. 11 Jun 2008. USA: Lincoln County, Nebraska. N 41.29323, W 100.84752.

9778 DW Roberts (DWR 795). Isolated from soil sample SS 1914. 28 Jul 2008. USA: Frontier County, Nebraska. N 40.57032, W 100.51155.

9779 DW Roberts (DWR 796). Isolated from soil sample SS 4639. 3 Jun 2008. USA: Schleicher County, Texas. N 31.04374, W 100.80695.

9780 DW Roberts (DWR 797). Isolated from soil sample SS 2083. 13 Aug 2008. USA: Brown County, Nebraska.

9781 DW Roberts (DWR 798). Isolated from soil sample SS 2097. 13 Aug 2008. USA: Brown County, Nebraska.

9782 DW Roberts (DWR 799). Isolated from soil sample SS 2002. 7 Aug 2008. USA: Lincoln County, Nebraska. N 41.38876, W 100.87933.

9783 DW Roberts (DWR 800). Isolated from soil sample SS 2001. 7 Aug 2008. USA: Lincoln County, Nebraska. N 41.27452, W 100.81027.

9784 DW Roberts (DWR 801). Isolated from soil sample SS 2147. 12 Aug 2008. USA: Cherry County, Nebraska.

9785 DW Roberts (DWR 802). Isolated from soil sample SS 2160. 12 Aug 2008. USA: Cherry County, Nebraska.

9786 DW Roberts (DWR 803). Isolated from soil sample SS 2166. 12 Aug 2008. USA: Cherry County, Nebraska.

9787 DW Roberts (DWR 804). Isolated from soil sample SS 1993. 6 Aug 2008. USA: Lincoln County, Nebraska. N 40.84353, W 100.84871.

9788 DW Roberts (DWR 805). Isolated from soil sample SS 1881. 14 Jul 2008. USA: Dundy County, Nebraska. N 40.23282, W 101.56141.

9789 DW Roberts (DWR 806). Isolated from soil sample SS 2010. 13 Aug 2008. USA: Hamilton County, Nebraska. N 40.9935, W 98.0458.

9790 DW Roberts (DWR 807). Isolated from soil sample SS 2108. 13 Aug 2008. USA: Rock County, Nebraska.

9791 DW Roberts (DWR 818). Isolated from soil sample SS 1829. 28 Jul 2008. USA: Garden County, Nebraska. N 41.88721, W 102.083568.

9792 DW Roberts (DWR 819). Isolated from soil sample SS 1848. 4 Aug 2008. USA: Cherry County, Nebraska.

9793 DW Roberts (DWR 820). Isolated from soil sample SS 1818. 4 Aug 2008. USA: Cherry County, Nebraska.

9794 DW Roberts (DWR 821). Isolated from soil sample SS 1762. 8 Jul 2008. USA: Logan County, Nebraska. N 41.618643, W 100.255386.

9795 DW Roberts (DWR 822). Isolated from soil sample SS 1784. 8 Jul 2008. USA: Logan County, Nebraska. N 41.656796, W 100.482788.

9796 DW Roberts (DWR 823). Isolated from soil sample SS 1757. 8 Jul 2008. USA: Logan County, Nebraska. N 41.625518, W 100.560606.

9797 DW Roberts (DWR 824). Isolated from soil sample SS 1822. 4 Aug 2008. USA: Cherry County, Nebraska.

9798 DW Roberts (DWR 825). Isolated from soil sample SS 1976. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.29233, W 100.56179.

9799 DW Roberts (DWR 826). Isolated from soil sample SS 1961. 30 Jul 2008. USA: Lincoln County, Nebraska. N 40.72197, W 101.04701.

9800 DW Roberts (DWR 827). Isolated from soil sample SS 1978. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.14745, W 100.34356.

9801 DW Roberts (DWR 828). Isolated from soil sample SS 1980. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.27886, W 100.25481.

9802 DW Roberts (DWR 829). Isolated from soil sample SS 1971. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.1617, W 100.52449.

9803 DW Roberts (DWR 830). Isolated from soil sample SS 1979. 4 Aug 2008. USA: Lincoln County, Nebraska. N 41.20653, W 100.63889.

9804 DW Roberts (DWR 831). Isolated from soil sample SS 1817. 4 Aug 2008. USA: Cherry County, Nebraska.

9805 DW Roberts (DWR 832). Isolated from soil sample SS 1849. 4 Aug 2008. USA: Cherry County, Nebraska.

9806 DW Roberts (DWR 833). Isolated from soil sample SS 1821. 4 Aug 2008. USA: Cherry County, Nebraska.

9807 DW Roberts (DWR 834). Isolated from soil sample SS 1824. 4 Aug 2008. USA: Cherry County, Nebraska.

9808 DW Roberts (DWR 835). Isolated from soil sample SS 1837. 28 Jul 2008. USA: Garden County, Nebraska. N 41.745232, W 102.09816.

9809 DW Roberts (DWR 836). Isolated from soil sample SS 1761. 8 Jul 2008. USA: Logan County, Nebraska. N 41.663922, W 100.58301.

9810 DW Roberts (DWR 837). Isolated from soil sample SS 1768. 9 Jul 2008. USA: Logan County, Nebraska. N 41.509798, W 100.50321.

9811 DW Roberts (DWR 838). Isolated from soil sample SS 1767. 9 Jul 2008. USA: Logan County, Nebraska. N 41.499958, W 100.65601.

9812 DW Roberts (DWR 839). Isolated from soil sample SS 1861. 4 Aug 2008. USA: Cherry County, Nebraska.

9813 DW Roberts (DWR 840). Isolated from soil sample SS 1764. 9 Jul 2008. USA: Logan County, Nebraska. N 41.60121, W 100.48712.

9814 DW Roberts (DWR 841). Isolated from soil sample SS 1796. 10 Jul 2008. USA: Garden County, Nebraska. N 41.496972, W 102.16906.

9815 DW Roberts (DWR 842). Isolated from soil sample SS 1794. Jul 2008. USA: Garden County, Nebraska. N 41.45043, W 102.53968.

9816 DW Roberts (DWR 843). Isolated from soil sample SS 1807. 10 Jul 2008. USA: Garden County, Nebraska. N 41.57408, W 101.98632.

9817 DW Roberts (DWR 844). Isolated from soil sample SS 5017. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.9084, W 100.9028.

9818 DW Roberts (DWR 845). Isolated from soil sample SS 1770, colony 1. 9 Jul 2008. USA: Logan County, Nebraska. N 41.401728, W 100.71314.

9819 DW Roberts (DWR 846). Isolated from soil sample SS 1770, colony 2. 9 Jul 2008. USA: Logan County, Nebraska. N 41.401728, W 100.71314.

9820 DW Roberts (DWR 847). Isolated from soil sample SS 2156. 12 Aug 2008. USA: Cherry County, Nebraska.

9821 DW Roberts (DWR 848). Isolated from soil sample SS 2158. 12 Aug 2008. USA: Cherry County, Nebraska.

9822 DW Roberts (DWR 849). Isolated from soil sample SS 2127. 13 Aug 2008. USA: Rock County, Nebraska.

9823 DW Roberts (DWR 850). Isolated from soil sample SS 1880. 14 Jul 2008. USA: Dundy County, Nebraska. N 40.06474, W 101.92653.

9824 DW Roberts (DWR 851). Isolated from soil sample SS 1891. 17 Jul 2008. USA: Keith County, Nebraska. N 41.1096, W 101.42634.

9825 DW Roberts (DWR 852). Isolated from soil sample SS 2124. 13 Aug 2008. USA: Rock County, Nebraska.

9826 DW Roberts (DWR 853). Isolated from soil sample SS 2178. 12 Aug 2008. USA: Cherry County, Nebraska.

9827 DW Roberts (DWR 866). Isolated from soil sample SS 4709. 9 Jul 2008. USA: Sherman County, Texas. N 36.36449, W 101.82351.

9828 DW Roberts (DWR 867). Isolated from soil sample SS 5007, colony 1. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.7629, W 101.05992.

9829 DW Roberts (DWR 868). Isolated from soil sample SS 5007, colony 2. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.7629, W 101.05992.

9830 DW Roberts (DWR 869). Isolated from soil sample SS 4735. 9 Jun 2008. USA: Scurry County, Texas. N 32.58142, W 100.7636.

9831 DW Roberts (DWR 870). Isolated from soil sample SS 5009. 20 Jun 2008. USA: Rolette County, North Dakota. N 48.89218, W 99.61078.

9832 DW Roberts (DWR 871). Isolated from soil sample SS 5013. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.82803, W 100.53342.

9833 DW Roberts (DWR 872). Isolated from soil sample SS 5002. 20 Jun 2008. USA: McHenry County, North Dakota. N 47.94912, W 100.5646.

9834 DW Roberts (DWR 873). Isolated from soil sample SS 5011. 20 Jun 2008. USA: McHenry County, North Dakota. N 48.4176, W 100.5044.

9835 DW Roberts (DWR 880). Isolated from soil sample SS 6887. 5 Jun 2008. USA: Box Elder County, Utah. N 41.5381, W 112.2945.

9836 DW Roberts (DWR 881). Isolated from soil sample SS 5434. 16 Jun 2008. USA: Ziebach County, South Dakota. N 44.856118, W 101.62287.

9837 DW Roberts (DWR 882). Isolated from soil sample SS 7545. 5 Aug 2008. USA: Kane County, Utah. N 37.3035, W 112.5307.

9838 DW Roberts (DWR 900). Isolated from soil sample SS 5001. 20 Jun 2008. USA: Bottineau County, North Dakota. N 48.6322, W 100.49775.

9839 DW Roberts (DWR 911). Isolated from soil sample SS 6096. Jul 2008. USA: Dale Widhalm, Nebraska. N 42.498915, W 103.06709.

9840 DW Roberts (DWR 912). Isolated from soil sample SS 5754. 9 Jun 2008. USA: Shannon County, South Dakota. N 43.329085, W 102.18772.

9841 DW Roberts (DWR 913). Isolated from soil sample SS 5709. 17 Jun 2008. USA: Bennett County, South Dakota. N 43.1035, W 101.4565.

9842 DW Roberts (DWR 914). Isolated from soil sample SS 4840, colony 1. 11 Aug 2008. USA: Cheyenne, Wyoming. N 41.591662, W 104.82588.

9843 DW Roberts (DWR 915). Isolated from soil sample SS 4840, colony 2. 11 Aug 2008. USA: Cheyenne, Wyoming. N 41.591662, W 104.82588.

9844 DW Roberts (DWR 916). Isolated from soil sample SS 4998. 19 Jun 2008. USA: Bottineau County, North Dakota. N 48.8768, W 100.5499.

9845 DW Roberts (DWR 917). Isolated from soil sample SS 5033. 16 Jun 2008. USA: KM007, North Dakota.

9846 DW Roberts (DWR 918). Isolated from soil sample SS 5810. 12 Jun 2008. USA: Tripp County, South Dakota. N 43.4999, W 100.15615.

9847 DW Roberts (DWR 919). Isolated from soil sample SS 5823. 10 Jun 2008. USA: Tripp County, South Dakota. N 43.11112, W 99.63258.

9848 DW Roberts (DWR 920). Isolated from soil sample SS 5797. 25 Jun 2008. USA: Todd County, South Dakota. N 43.031315, W 100.82642.

9849 DW Roberts (DWR 940). Isolated from soil sample SS 6157, colony 1. 19 Aug 2008. USA: Dale Widhalm, Nebraska. N 42.91601, W 102.23549.

9850 DW Roberts (DWR 941). Isolated from soil sample SS 6157, colony 2. 19 Aug 2008. USA: Dale Widhalm, Nebraska. N 42.91601, W 102.23549.

9851 DW Roberts (DWR 942). Isolated from soil sample SS 6025. 21 Aug 2008. USA: Morrill County, Nebraska. N 41.769015, W 102.77199.

9852 DW Roberts (DWR 1145). Isolated from soil sample SS 8234. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.947793, W 101.15769.

9853 DW Roberts (DWR 1146). Isolated from soil sample SS 8235. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.938688, W 101.16618.

9854 DW Roberts (DWR 1147). Isolated from soil sample SS 8139. 18 Aug 2008. USA: McPherson County, Nebraska. N 41.554742, W 101.13753.

9855 DW Roberts (DWR 1148). Isolated from soil sample SS 8178. 2 Sep 2008. USA: Cherry County, Nebraska. N 42.392913, W 102.02336.

9856 DW Roberts (DWR 1149). Isolated from soil sample SS 8241. 11 Aug 2008. USA: Hooker County, Nebraska. N 42.065106, W 101.22523.

9857 DW Roberts (DWR 1150). Isolated from soil sample SS 8244. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.43899, W 101.29071.

9858 DW Roberts (DWR 1151). Isolated from soil sample SS 8246. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.50433, W 101.30459.

9859 DW Roberts (DWR 1152). Isolated from soil sample SS 8247. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.712238, W 101.04815.

9860 DW Roberts (DWR 1153). Isolated from soil sample SS 8251. 12 Aug 2008. USA: McPherson County, Nebraska. N 41.622606, W 101.01916.

9861 DW Roberts (DWR 1154). Isolated from soil sample SS 8254. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.40625, W 100.88149.

9862 DW Roberts (DWR 1155). Isolated from soil sample SS 8258. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.590482, W 100.76789.

9863 DW Roberts (DWR 1156). Isolated from soil sample SS 8264. Aug 2008. USA: Arthur County, Nebraska. N 41.546803, W 101.71407.

9864 DW Roberts (DWR 1157). Isolated from soil sample SS 8266. Aug 2008. USA: Arthur County, Nebraska. N 41.46896, W 101.71834.

9865 DW Roberts (DWR 1158). Isolated from soil sample SS 8267. Aug 2008. USA: Arthur County, Nebraska. N 41.51462, W 101.6547.

9866 DW Roberts (DWR 1159). Isolated from soil sample SS 8269. 18 Aug 2008. USA: McPherson County, Nebraska. N 41.49292, W 100.96312.

9867 DW Roberts (DWR 1160). Isolated from soil sample SS 8271. 18 Aug 2008. USA: McPherson County, Nebraska. N 41.6699, W 101.26817.

9868 DW Roberts (DWR 1161). Isolated from soil sample SS 8253, colony 1. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.

9869 DW Roberts (DWR 1162). Isolated from soil sample SS 8253, colony 2. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.

9870 DW Roberts (DWR 1163). Isolated from soil sample SS 8253, colony 3. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.

9871 DW Roberts (DWR 1164). Isolated from soil sample SS 8253, colony 4. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.

9872 DW Roberts (DWR 1165). Isolated from soil sample SS 8253, colony 5. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.

9873 DW Roberts (DWR 1166). Isolated from soil sample SS 8253, colony 6. 14 Aug 2008. USA: McPherson County, Nebraska. N 41.451978, W 100.94959.

9874 DW Roberts (DWR 1180). Isolated from soil sample SS 8218. 6 Aug 2008. USA: Hooker County, Nebraska. N 41.960753, W 100.91898.

9875 DW Roberts (DWR 1181). Isolated from soil sample SS 8222. 6 Aug 2008. USA: Hooker County, Nebraska. N 41.865045, W 100.95781.

9876 DW Roberts (DWR 1182). Isolated from soil sample SS 8225. 7 Aug 2008. USA: Grant County, Nebraska. N 41.742956, W 101.85894.

9877 DW Roberts (DWR 1183). Isolated from soil sample SS 8228. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.996628, W 101.15073.

9878 DW Roberts (DWR 1184). Isolated from soil sample SS 8236. 11 Aug 2008. USA: Hooker County, Nebraska. N 41.757416, W 101.37261.

9879 DW Roberts (DWR 1239). Isolated from soil sample SS 7552. 6 Aug 2008. USA: Garfield County, Utah. N 38.0259, W 111.5806.

9880 DW Roberts (DWR 1240). Isolated from soil sample SS 8103. 24 Jul 2008. USA: McCone County, Montana. N 47.49494, W 106.16025.

9881 DW Roberts (DWR 1241). Laboratory isolate from sector of DWR 850 (=ARSEF 9823). Rec'd 23 Feb 2010.

9882 DW Roberts (DWR 1242). Laboratory isolate from sector of DWR 852 (=ARSEF 9825). Rec'd 23 Feb 2010.

9883 DW Roberts (DWR 1243). Laboratory isolate from sector of DWR 882 (=ARSEF 9837). Rec'd 23 Feb 2010.

9884 DW Roberts (DWR 1244). Laboratory isolate from sector of DWR 900 (=ARSEF 9838). Rec'd 23 Feb 2010.

9885 DW Roberts (DWR 1245). Isolated from soil sample SS 9210. 5 Sep 2008. USA: Rio Blanco County, Colorado. N 40.054117, W 107.52914.

9886 DW Roberts (DWR 1246). Isolated from soil sample SS 9162. 10 Jun 2008. USA: Garfield County, Colorado. N 39.5094, W 108.5523.

9946 DW Roberts (DWR 1247). Isolated from soil sample SS 11293. 5 May 2009. USA: Owyhee County, Idaho. N 42.77266, W 116.22753.

9947 DW Roberts (DWR 1248). Isolated from soil sample SS 7425. 17 Jun 2008. USA: Kane County, Utah. N 37.2331, W 111.5058.

9948 DW Roberts (DWR 1249). Isolated from soil sample SS 11283. 22 Apr 2009. USA: Ada County, Idaho. N 43.591977, W 116.29609.

9949 DW Roberts (DWR 1250). Isolated from soil sample SS 11282. 22 Apr 2009. USA: Ada County, Idaho. N 43.606707, W 116.29985.

9950 DW Roberts (DWR 1251). Isolated from soil sample SS 8873. 9 Jul 2008. USA: Kit Carson County, Colorado. N 39.533371, W 102.3518.

9951 DW Roberts (DWR 1252). Isolated from soil sample SS 8830. 7 Jul 2008. USA: Custer County, Colorado. N 38.242365, W 105.60512.

9952 DW Roberts (DWR 1253). Isolated from soil sample SS 8871, colony 1. 9 Jul 2008. USA: Yuma County, Colorado. N 39.657776, W 102.34647.

9953 DW Roberts (DWR 1254). Isolated from soil sample SS 8871, colony 2. 9 Jul 2008. USA: Yuma County, Colorado. N 39.657776, W 102.34647.

9954 DW Roberts (DWR 1255). Isolated from soil sample SS 8829, colony 1. 6 Jul 2008. USA: Custer County, Colorado. N 38.186258, W 105.48395.

9955 DW Roberts (DWR 1256). Isolated from soil sample SS 8829, colony 2. 6 Jul 2008. USA: Custer County, Colorado. N 38.186258, W 105.48395.

9956 DW Roberts (DWR 1280). Isolated from soil sample SS 11295. May 2009. USA: Ada County, Idaho. N 43.673185, W 116.09569.

9957 DW Roberts (DWR 1281). Isolated from soil sample SS 9008. 30 Jun 2008. USA: Yuma County, Colorado. N 40.322455, W 102.47124.

9958 DW Roberts (DWR 1282). Isolated from soil sample SS 9012. 23 Jun 2008. USA: Kiowa County, Colorado. N 38.498728, W 102.62044.

9959 DW Roberts (DWR 1283). Isolated from soil sample SS 9015. 23 Jun 2008. USA: Kiowa County, Colorado. N 38.577521, W 102.43525.

9960 DW Roberts (DWR 1284). Isolated from soil sample SS 9219. 14 Sep 2008. USA: Moffat County, Colorado. N 40.75813, W 108.13102.

9961 DW Roberts (DWR 1285). Isolated from soil sample SS 9240. 16 Jun 2008. USA: Routt County, Colorado. N 40.757398, W 106.96398.

9962 DW Roberts (DWR 1286). Isolated from soil sample SS 9312. Jul 2008. USA: Routt County, Colorado. N 40.526025, W 107.42595.

9963 DW Roberts (DWR 1287). Isolated from soil sample SS 9371. 10 Jul 2008. USA: Rio Blanco County, Colorado. N 39.9191, W 108.1981.

9964 DW Roberts (DWR 1288). Isolated from soil sample SS 9509. 10 Jul 2008. USA: Montezuma County, Colorado. N 37.302205, W 108.64121.

9965 DW Roberts (DWR 1289). Isolated from soil sample SS 11268. 24 Apr 2009. USA: San Carlos, Arizona. N 33.19364, W 109.87296.

9966 DW Roberts (DWR 1290). Isolated from soil sample SS 11352. 21 May 2009. USA: Dawson County, Texas. N 32.75586, W 101.81042.

9967 DW Roberts (DWR 1291). Isolated from soil sample SS 11354. 21 May 2009. USA: Dawson County, Texas. N 32.84218, W 102.10146.

9968 DW Roberts (DWR 1292). Isolated from soil sample SS 11364. 18 May 2009. USA: Lamb County, Texas. N 34.15683, W 102.51517.

9969 DW Roberts (DWR 1293). Isolated from soil sample SS 9092, colony 1. 19 Jun 2008. USA: San Miguel County, Colorado. N 38.11362, W 108.39393.

9970 DW Roberts (DWR 1294). Isolated from soil sample SS 9092, colony 2. 19 Jun 2008. USA: San Miguel County, Colorado. N 38.11362, W 108.39393.

9971 DW Roberts (DWR 1295). Isolated from soil sample SS 9438. 27 Jun 2008. USA: El Paso County, Colorado. N 38.974117, W 104.83964.

9972 DW Roberts (DWR 1296). Isolated from soil sample SS 9367. 3 Jul 2008. USA: Gunnison County, Colorado. N 38.45035, W 107.33075.

9973 DW Roberts (DWR 1297). Isolated from soil sample SS 9425. 25 Jun 2008. USA: Fremont County, Colorado. N 38.371452, W 104.95982.

9974 DW Roberts (DWR 1310). Isolated from soil sample SS 9490. 27 May 2008. USA: Montezuma County, Colorado. N 37.4159, W 108.41041.

9975 DW Roberts (DWR 1324). Isolated from soil sample SS 11418. 28 May 2009. USA: Hall County, Texas. N 34.49323, W 100.77875.

9976 DW Roberts (DWR 1325). Isolated from soil sample SS 11454. 9 Jun 2009. USA: Logan, Utah.

9977 DW Roberts (DWR 1326). Isolated from soil sample SS 11457. 9 Jun 2009. USA: Logan, Utah.

9978 DW Roberts (DWR 1327). Isolated from soil sample SS 9443. 27 May 2008. USA: Montezuma County, Colorado. N 37.36007, W 108.53522.

9979 DW Roberts (DWR 1337). Isolated from soil sample SS 9659. 27 Aug 2008. USA: Routt County, Colorado. N 40.53094, W 106.78185.

9980 DW Roberts (DWR 1338). Isolated from soil sample SS 11642. 20 May 2009. USA: Elko County, Nevada. N 41.619382, W 116.12888.

9981 DW Roberts (DWR 1344). Isolated from soil sample SS 9768. 19 May 2008. USA: Flathead County, Montana.

9982 DW Roberts (DWR 1345). Isolated from soil sample SS 9788. 2 Jun 2008. USA: Lake County, Montana.

9983 DW Roberts (DWR 1346). Isolated from soil sample SS 9791. 5 Jun 2008. USA: Lake County, Montana.

9984 DW Roberts (DWR 1347). Isolated from soil sample SS 8494. 8 Jun 2008. USA: Lincoln County, Colorado. N 38.806141, W 103.27433.

9985 DW Roberts (DWR 1361). Isolated from soil sample SS 11974. 8 Jun 2009. USA: Piute County, Utah. N 38.4064, W 112.2541.

9986 DW Roberts (DWR 1362). Isolated from soil sample SS 8307. 21 Aug 2008. USA: Arthur County, Nebraska. N 41.496172, W 101.92478.

9987 DW Roberts (DWR 1374). Isolated from soil sample SS 8510. 2 Jun 2008. USA: Otero County, Colorado. N 37.878558, W 103.52731.

9988 DW Roberts (DWR 1375). Isolated from soil sample SS 8491. 8 Jun 2008. USA: Lincoln County, Colorado. N 38.878685, W 103.4237.

9989 DW Roberts (DWR 1376). Isolated from soil sample SS 8786. 10 Jun 2008. USA: Otero County, Colorado. N 37.823345, W 103.77136.

9990 DW Roberts (DWR 1377). Isolated from soil sample SS 8428. 4 Jun 2008. USA: Baca County, Colorado. N 37.549681, W 102.40117.

9991 DW Roberts (DWR 1378). Isolated from soil sample SS 8446. 17 Jun 2008. USA: Kiowa County, Colorado. N 38.281875, W 102.61859.

9992 DW Roberts (DWR 1379). Isolated from soil sample SS 8445. 17 Jun 2008. USA: Kiowa County, Colorado. N 38.354065, W 102.61896.

9993 DW Roberts (DWR 1380). Isolated from soil sample SS 8707. 7 Jul 2008. USA: Yuma County, Colorado. N 39.946951, W 102.46771.

9994 DW Roberts (DWR 1381). Isolated from soil sample SS 8426. 4 Jun 2008. USA: Prowers County, Colorado. N 37.672625, W 102.52934.

9995 DW Roberts (DWR 1382). Isolated from soil sample SS 8424. 4 Jun 2008. USA: Prowers County, Colorado. N 37.767233, W 102.54751.

9996 DW Roberts (DWR 1387). Isolated from soil sample SS 8538. 7 Jul 2008. USA: Kiowa County, Colorado. N 38.463823, W 102.19764.

9997 DW Roberts (DWR 1395). Isolated from soil sample SS 8539. 7 Jul 2008. USA: Kiowa County, Colorado. N 38.499155, W 102.32726.

9998 DW Roberts (DWR 1399). Isolated from soil sample SS 11485. 6 May 2009. USA: Duchesne County, Utah. N 40.2356, W 110.2345.

9999 DW Roberts (DWR 1408). Isolated from soil sample SS 9823. 3 Jun 2008. USA: Montana.

10001 DW Roberts (DWR 1409). Isolated from soil sample SS 9888. 14 Oct 2008. USA: Keya Paha County, Nebraska.

10002 DW Roberts (DWR 1410). Isolated from soil sample SS 9878. 14 Oct 2008. USA: Cherry County, Nebraska.

10003 DW Roberts (DWR 1411). Isolated from soil sample SS 9853. 14 Oct 2008. USA: Holt County, Nebraska.

10004 DW Roberts (DWR 1412). Isolated from soil sample SS 8762. 14 Jul 2008. USA: Las Animas County, Colorado. N 37.191093, W 104.81278.

10005 DW Roberts (DWR 1413). Isolated from soil sample SS 9875. 14 Oct 2008. USA: Cherry County, Nebraska.

10006 DW Roberts (DWR 1414). Isolated from soil sample SS 9872. 14 Oct 2008. USA: Cherry County, Nebraska.

10007 DW Roberts (DWR 1415). Isolated from soil sample SS 9832. 14 Oct 2008. USA: Holt County, Nebraska.

10008 DW Roberts (DWR 1416). Isolated from soil sample SS 9857. 14 Oct 2008. USA: Holt County, Nebraska.

10009 DW Roberts (DWR 1417). Isolated from soil sample SS 11932. 6 May 2009. USA: Elko County, Nevada. N 41.956545, W 116.07283.

10010 DW Roberts (DWR 1418). Isolated from soil sample SS 9837. 14 Oct 2008. USA: Holt County, Nebraska.

10011 DW Roberts (DWR 1419). Isolated from soil sample SS 9830. 14 Oct 2008. USA: Holt County, Nebraska.

10012 DW Roberts (DWR 1420). Isolated from soil sample SS 10612. 17 Jun 2008. USA: Elko County, Nevada. N 40.808943, W 115.3402.

10013 DW Roberts (DWR 1421). Isolated from soil sample SS 10241. 29 Aug 2008. USA: Ford County, Kansas. N 37.482133, W 99.729295.

10014 DW Roberts (DWR 1422). Isolated from soil sample SS 10291. 4 Aug 2008. USA: Cheyenne County, Kansas. N 39.68884, W 101.99388.

10015 DW Roberts (DWR 1446). Isolated from soil sample SS 10706. 3 Sep 2008. USA: Humboldt County, Nevada. N 40.927495, W 118.3082.

10016 DW Roberts (DWR 1447). Isolated from soil sample SS 10809. 6 Aug 2008. USA: Elko County, Nevada. N 41.46017, W 114.7825.

10017 DW Roberts (DWR 1448). Isolated from soil sample SS 11936. 28 May 2009. USA: Valley County, Idaho. N 44.805338, W 115.90302.

10018 DW Roberts (DWR 1449). Isolated from soil sample SS 10119. 22 Jul 2008. USA: Clark County, Kansas. N 37.191885, W 99.785528.

10019 DW Roberts (DWR 1450). Isolated from soil sample SS 10437. 2 May 2008. USA: Elko County, Nevada. N 41.535187, W 115.82186.

10020 DW Roberts (DWR 1451). Isolated from soil sample SS 10284. 23 Jul 2008. USA: Comanche County, Kansas. N 37.266482, W 99.26767.

10021 DW Roberts (DWR 1468). Isolated from soil sample SS 12110. 10 Jun 2009. USA: Carson County, Texas. N 35.57465, W 101.40082.

10022 DW Roberts (DWR 1469). Isolated from soil sample SS 11259. 17 Jun 2009. USA: Millard County, Utah. N 39.1157, W 114.0025.

10023 DW Roberts (DWR 1470). Isolated from soil sample SS 12131. 16 Jun 2009. USA: Moore County, Texas. N 35.69076, W 102.05242.

10024 DW Roberts (DWR 1471). Isolated from soil sample SS 11004, colony 1. 11 Jun 2008. USA: Lander County, Nevada. N 39.495452, W 117.1604.

10025 DW Roberts (DWR 1472). Isolated from soil sample SS 11004, colony 2. 11 Jun 2008. USA: Lander County, Nevada. N 39.495452, W 117.1604.

10026 DW Roberts (DWR 1473). Isolated from soil sample SS 11004, colony 3. 11 Jun 2008. USA: Lander County, Nevada. N 39.495452, W 117.1604.

10027 DW Roberts (DWR 1489). Isolated from soil sample SS 12736. 10 Jun 2009. USA: Adams County, Washington. N 47.13699, W 118.1721.

10028 DW Roberts (DWR 1490). Isolated from soil sample SS 13846. 24 Jun 2009. USA: Weld County, Colorado. N 40.192916, W 104.6822.

10029 DW Roberts (DWR 1491). Isolated from soil sample SS 13860. 24 Jun 2009. USA: Weld County, Colorado. N 40.144745, W 104.768.

10030 DW Roberts (DWR 1506). Isolated from soil sample SS 13934. 4 Jun 2009. USA: Morgan County, Colorado. N 40.07361, W 104.0186.

10031 DW Roberts (DWR 1507). Isolated from soil sample SS 12754. 17 Jun 2009. USA: Douglas County, Washington. N 47.90269, W 119.797.

10032 DW Roberts (DWR 1516). Isolated from soil sample SS 13583. 21 Jul 2009. USA: Fremont County, Idaho. N 44.11919, W 111.34764.

10033 DW Roberts (DWR 1517). Isolated from soil sample SS 13762. 27 May 2009. USA: Yuma County, Colorado. N 39.795876, W 102.5602.

10034 DW Roberts (DWR 1518). Isolated from soil sample SS 13776, colony 1. 28 May 2009. USA: Yuma County, Colorado. N 39.858866, W 102.801.

10035 DW Roberts (DWR 1519). Isolated from soil sample SS 13776, colony 2. 28 May 2009. USA: Yuma County, Colorado. N 39.858866, W 102.801.

10036 DW Roberts (DWR 1520). Isolated from soil sample SS 13185. 16 Jun 2009. USA: Elbert County, Colorado. N 39.228926, W 103.879.

10037 DW Roberts (DWR 1527). Isolated from soil sample SS 13102. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.11295, W 105.0368.

10038 DW Roberts (DWR 1528). Isolated from soil sample SS 13749. 27 May 2009. USA: Washington County, Colorado. N 39.624913, W 103.1231.

10039 DW Roberts (DWR 1540). Isolated from soil sample SS 13174. 22 Jun 2009. USA: Arapahoe County, Colorado. N 39.653608, W 104.1537.

10040 DW Roberts (DWR 1541). Isolated from soil sample SS 14492. 7 Jul 2009. USA: Bent County, Colorado. N 37.91052, W 102.8581.

10041 DW Roberts (DWR 1542). Isolated from soil sample SS 12606. 23 Jun 2009. USA: Ochiltree County, Texas. N 36.421, W 101.364.

10042 DW Roberts (DWR 1543). Isolated from soil sample SS 12638. 24 Jun 2009. USA: Hansford County, Texas. N 36.19773, W 101.22712.

10043 DW Roberts (DWR 1544). Isolated from soil sample SS 12640. 25 Jun 2009. USA: Hutchinson County, Texas. N 35.95214, W 101.22674.

10044 DW Roberts (DWR 1545). Isolated from soil sample SS 14964. 5 Jun 2009. USA: Routt County, Colorado. N 40.499741, W 107.2291.

10045 DW Roberts (DWR 1546). Isolated from soil sample SS 14981. 22 Jun 2009. USA: Routt County, Colorado. N 40.365231, W 106.7475.

10046 DW Roberts (DWR 1547). Isolated from soil sample SS 15007. 24 Jun 2009. USA: Baca County, Colorado. N 37.264538, W 102.7783.

10047 DW Roberts (DWR 1548). Isolated from soil sample SS 15025. 27 Jun 2009. USA: Routt County, Colorado. N 40.735816, W 107.1246.

10048 DW Roberts (DWR 1553). Isolated from soil sample SS 16368. 11 Aug 2009. USA: Okanogan County, Washington. N 48.24863, W 118.89864.

10049 DW Roberts (DWR 1554). Isolated from soil sample SS 17125. 16 Jul 2009. USA: Goshen County, Wyoming. N 42.184521, W 104.45296.

10050 DW Roberts (DWR 1555). Isolated from soil sample SS 16143. 5 Aug 2009. USA: Judith Basin County, Montana. N 47.16631, W 110.7234.

10051 DW Roberts (DWR 1556). Isolated from soil sample SS 16299. 27 Jul 2009. USA: Ravalli County, Montana.

10052 DW Roberts (DWR 1557). Isolated from soil sample SS 17105. 6 Jul 2009. USA: Goshen County, Wyoming. N 42.047107, W 104.3445.

10053 DW Roberts (DWR 1580). Isolated from soil sample SS 14593. 9 Jul 2009. USA: Las Animas County, Colorado. N 37.280046, W 103.2653.

10054 DW Roberts (DWR 1581). Isolated from soil sample SS 16330. 11 Aug 2009. USA: Sanders, Montana. N 48.08786, W 116.0055.

10055 DW Roberts (DWR 1582). Isolated from soil sample SS 14058. 5 Jun 2009. USA: Morgan County, Colorado. N 40.146715, W 103.5101.

10056 DW Roberts (DWR 1583). Isolated from soil sample SS 14218. 4 Aug 2009. USA: Iron County, Utah. N 37.3221, W 113.0306.

10057 DW Roberts (DWR 1584). Isolated from soil sample SS 14595. 8 Jul 2009. USA: Baca County, Colorado. N 37.557158, W 102.9408.

10058 DW Roberts (DWR 1591). Isolated from soil sample SS 15781. 2 Jun 2009. USA: Tripp County, South Dakota. N 43.162, W 99.8701.

10059 DW Roberts (DWR 1592). Isolated from soil sample SS 15770. 16 Jun 2009. USA: Lyman County, South Dakota. N 43.9051, W 99.7065.

10060 DW Roberts (DWR 1601). Isolated from soil sample SS 15269. 8 Jun 2009. USA: Shannon County, South Dakota. N 43.4775, W 102.9187.

10061 DW Roberts (DWR 1602). Isolated from soil sample SS 17132. 21 Jul 2009. USA: Goshen County, Wyoming. N 42.392979, W 104.35598.

10062 DW Roberts (DWR 1610). Isolated from soil sample SS 15087. Jul 2009. USA: Fremont County, Colorado. N 38.696808, W 105.4887.

10063 DW Roberts (DWR 1611). Isolated from soil sample SS 17311, colony 1. 28 Jul 2009. USA: Lincoln County, Nevada. N 38.055803, W 114.16724.

10064 DW Roberts (DWR 1612). Isolated from soil sample SS 17311, colony 2. 28 Jul 2009. USA: Lincoln County, Nevada. N 38.055803, W 114.16724.

10065 DW Roberts (DWR 1613). Isolated from soil sample SS 17311, colony 3. 28 Jul 2009. USA: Lincoln County, Nevada. N 38.055803, W 114.16724.

10066 DW Roberts (DWR 1614). Isolated from soil sample SS 16348. 10 Aug 2009. USA: Ferry County, Washington. N 48.334457, W 118.22365.

10067 DW Roberts (DWR 1615). Isolated from soil sample SS 14683. 8 Jul 2009. USA: Baca County, Colorado. N 37.599526, W 103.0024.

10068 DW Roberts (DWR 1652). Isolated from soil sample SS 15462. 2 Jun 2009. USA: Gregory County, South Dakota. N 43.0389, W 99.076.

10069 DW Roberts (DWR 1653). Isolated from soil sample SS 14725, colony 1. 3 Jun 2009. USA: Montrose County, Colorado. N 38.449135, W 109.0525.

10070 DW Roberts (DWR 1654). Isolated from soil sample SS 14725, colony 2. 3 Jun 2009. USA: Montrose County, Colorado. N 38.449135, W 109.0525.

10071 DW Roberts (DWR 1655). Isolated from soil sample SS 14729. 5 Jun 2009. USA: Montezuma County, Colorado. N 37.469161, W 108.1988.

10072 DW Roberts (DWR 1656). Isolated from soil sample SS 14202. 28 Jul 2009. USA: Elko County, Nevada. N 41.870107, W 115.4253.

10073 DW Roberts (DWR 1657). Isolated from soil sample SS 14169. 14 Jul 2009. USA: Elko County, Nevada. N 41.800432, W 115.50082.

10074 DW Roberts (DWR 1658). Isolated from soil sample SS 14158, colony 1. 4 Jun 2009. USA: Idaho County, Idaho.

10075 DW Roberts (DWR 1659). Isolated from soil sample SS 14158, colony 2. 4 Jun 2009. USA: Idaho County, Idaho.

10076 DW Roberts (DWR 1660). Isolated from soil sample SS 14424. 27 Jul 2009. USA: Eureka County, Nevada. N 39.943369, W 116.074.

10077 DW Roberts (DWR 1683). Isolated from soil sample SS 17491. 16 Jun 2009. USA: Prowers County, Colorado. N 37.838933, W 102.2264.

10078 DW Roberts (DWR 1684). Isolated from soil sample SS 17987. 6 Aug 2009. USA: Umatilla County, Oregon.

10079 DW Roberts (DWR 1685). Isolated from soil sample SS 15585. 12 Jun 2009. USA: Tripp County, South Dakota. N 43.6229, W 100.18.

10080 DW Roberts (DWR 1686). Isolated from soil sample SS 17658. 4 Jul 2009. USA: Bent County, Colorado. N 38.012501, W 102.9669.

10081 DW Roberts (DWR 1687). Isolated from soil sample SS 17909. 11 Aug 2009. USA: Gilliam County, Oregon.

10082 DW Roberts (DWR 1688). Isolated from soil sample SS 17940. 11 Aug 2009. USA: Morrow County, Oregon.

10083 DW Roberts (DWR 1689). Isolated from soil sample SS 17763. 9 Jul 2009. USA: Yuma County, Colorado. N 40.075706, W 102.4637.

10084 DW Roberts (DWR 1690). Isolated from soil sample SS 17744. 7 Jul 2009. USA: Kit Carson County, Colorado. N 39.289653, W 102.372.

10085 DW Roberts (DWR 1699). Isolated from soil sample SS 15643. 11 Jun 2009. USA: Perkins County, South Dakota. N 45.776343, W 102.7977.

10086 DW Roberts (DWR 1700). Isolated from soil sample SS 16653. 21 Jul 2009. USA: Show Low, Arizona. N 34.31598, W 110.33913.

10087 DW Roberts (DWR 1701). Isolated from soil sample SS 17701. 5 Jul 2009. USA: Yuma County, Colorado.

10088 DW Roberts (DWR 1702). Isolated from soil sample SS 17707. 5 Jul 2009. USA: Yuma County, Colorado.

10089 DW Roberts (DWR 1703). Isolated from soil sample SS 14264, colony 1. 20 Jul 2009. USA: Bannock County, Idaho. N 42.8864, W 112.4898.

10090 DW Roberts (DWR 1704). Isolated from soil sample SS 14277, colony 1. 27 Jul 2009. USA: Bonneville County, Idaho. N 43.6059, W 111.5146.

10091 DW Roberts (DWR 1705). Isolated from soil sample SS 14277, colony 2. 27 Jul 2009. USA: Bonneville County, Idaho. N 43.6059, W 111.5146.

10092 DW Roberts (DWR 1706). Isolated from soil sample SS 14306. 6 Aug 2009. USA: Minidoka County, Idaho. N 42.579567, W 113.92838.

10093 DW Roberts (DWR 1707). Isolated from soil sample SS 15101. Jul 2009. USA: Fremont County, Colorado. N 38.539323, W 105.7244.

10094 DW Roberts (DWR 1708). Isolated from soil sample SS 15122. 24 Jun 2009. USA: Baca County, Colorado. N 37.290136, W 103.0498.

10095 DW Roberts (DWR 1709). Isolated from soil sample SS 15922, colony 1. 12 Aug 2009. USA: Okanogan County, Washington. N 48.546579, W 118.97652.

10096 DW Roberts (DWR 1710). Isolated from soil sample SS 15922, colony 2. 12 Aug 2009. USA: Okanogan County, Washington. N 48.546579, W 118.97652.

10097 DW Roberts (DWR 1714). Isolated from soil sample SS 14264, colony 2. 20 Jul 2009. USA: Bannock County, Idaho. N 42.8864, W 112.4898.

10098 DW Roberts (DWR 1715). Isolated from soil sample SS 14264, colony 3. 20 Jul 2009. USA: Bannock County, Idaho. N 42.8864, W 112.4898.

10099 DW Roberts (DWR 1716). Isolated from soil sample SS 17770, colony 1. 9 Jul 2009. USA: Kit Carson County, Colorado. N 39.562111, W 102.4253.

10100 DW Roberts (DWR 1717). Isolated from soil sample SS 17770, colony 2. 9 Jul 2009. USA: Kit Carson County, Colorado. N 39.562111, W 102.4253.

10101 DW Roberts (DWR 1718). Isolated from soil sample SS 15554, colony 1. 10 Jun 2009. USA: Bennett County, South Dakota. N 43.1476, W 101.7323.

10102 DW Roberts (DWR 1719). Isolated from soil sample SS 15554, colony 2. 10 Jun 2009. USA: Bennett County, South Dakota. N 43.1476, W 101.7323.

10103 DW Roberts (DWR 1720). Isolated from soil sample SS 16081. 22 Jul 2009. USA: Musselshell County, Montana. N 46.2225, W 108.504.

10104 DW Roberts (DWR 1721). Isolated from soil sample SS 17821. 14 Aug 2009. USA: Oregon.

10105 DW Roberts (DWR 1722). Isolated from soil sample SS 17991. 10 Aug 2009. USA: Umatilla County, Oregon.

10106 DW Roberts (DWR 1723). Isolated from soil sample SS 13501. 10 Jun 2009. USA: Elbert County, Colorado. N 39.14357, W 104.2922.

10107 DW Roberts (DWR 1740). Isolated from soil sample SS 16903. 20 Aug 2009. USA: Graham County, Arizona. N 32.831492, W 110.14019.

10108 DW Roberts (DWR 1741). Isolated from soil sample SS 15618. 1 Jun 2009. USA: Lake County, South Dakota. N 43.88016, W 96.978852.

10109 DW Roberts (DWR 1742). Isolated from soil sample SS 15513. 2 Jun 2009. USA: Minnehaha County, South Dakota. N 43.630077, W 96.618407.

10110 DW Roberts (DWR 1743). Isolated from soil sample SS 15344. 1 Jul 2009. USA: Corson County, South Dakota. N 45.6247, W 101.1415.

10111 DW Roberts (DWR 1744). Isolated from soil sample SS 15136. 25 Jun 2009. USA: Huerfano County, Colorado. N 37.805756, W 104.6537.

10112 DW Roberts (DWR 1763). Isolated from soil sample SS 17568. 22 Jun 2009. USA: Kiowa County, Colorado. N 38.322571, W 102.6186.

10113 DW Roberts (DWR 1764). Isolated from soil sample SS 17569. 22 Jun 2009. USA: Kiowa County, Colorado. N 38.40456, W 102.6193.

10114 DW Roberts (DWR 1765). Isolated from soil sample SS 17559. 22 Jun 2009. USA: Prowers County, Colorado. N 38.165975, W 102.2108.

10115 DW Roberts (DWR 1766). Isolated from soil sample SS 17562. 22 Jun 2009. USA: Prowers County, Colorado. N 38.113836, W 102.4122.

10116 DW Roberts (DWR 1767). Isolated from soil sample SS 16935. 4 Aug 2009. USA: Coconino County, Arizona. N 34.464008, W 110.97636.

10117 DW Roberts (DWR 1771). Isolated from soil sample SS 17536. 21 Jun 2009. USA: Baca County, Colorado. N 37.251095, W 102.4412.

10118 DW Roberts (DWR 1808). Isolated from soil sample SS 13232. 8 Jul 2009. USA: Moffat County, Colorado. N 40.429511, W 108.1482.

10119 DW Roberts (DWR 1809). Isolated from soil sample SS 16509. 23 Jul 2009. USA: Coconino County, Arizona. N 35.228356, W 111.98011.

10120 DW Roberts (DWR 1810). Isolated from soil sample SS 16814. 29 Jul 2009. USA: Coconino County, Arizona. N 35.191634, W 112.27041.

10121 DW Roberts (DWR 1811). Isolated from soil sample SS 16860. 29 Jul 2009. USA: Coconino County, Arizona. N 35.164075, W 112.15773.

10122 DW Roberts (DWR 1812). Isolated from soil sample SS 18039, colony 1. 4 Nov 2009. USA: Canyon County, Idaho. N 43.33.154, W 116.33.965.

10123 DW Roberts (DWR 1813). Isolated from soil sample SS 18039, colony 2. 4 Nov 2009. USA: Canyon County, Idaho. N 43.33.154, W 116.33.965.

10124 DW Roberts (DWR 1814). Isolated from soil sample SS 18044. 5 Nov 2009. USA: Canyon County, Idaho. N 43.32.895, W 116.33.093.

10125 DW Roberts (DWR 1815). Isolated from soil sample SS 18056. 5 Nov 2009. USA: Owyhee County, Idaho. N 43.32.755, W 116.53.541.

10126 DW Roberts (DWR 1844). Isolated from soil sample SS 17853. 5 Aug 2009. USA: Harney County, Oregon. N 42.664078, W 118.4723.

10314 DW Roberts (DWR 1845). Isolated from soil sample SS 17873. 13 Aug 2009. USA: Wallowa County, Oregon. N 45.66882, W 116.9404.

10315 DW Roberts (DWR 1855). Isolated from soil sample SS 15529. 3 Jun 2009. USA: Tripp County, South Dakota. N 43.2035, W 100.1666.

10316 DW Roberts (DWR 1856). Isolated from soil sample SS 15146. 16 Jul 2009. USA: Custer County, Colorado. N 38.088653, W 105.5118.

10317 DW Roberts (DWR 1857). Isolated from soil sample SS 18079. Sep 2009. USA: Elko County, Nevada. N 40.775453, W 115.3309.

10318 DW Roberts (DWR 1858). Isolated from soil sample SS 15904. 6 Aug 2009. USA: Stevens County, Washington. N 48.713105, W 118.05228.

10319 DW Roberts (DWR 1859). Isolated from soil sample SS 14930, colony 1. 4 Jun 2009. USA: Pueblo County, Colorado. N 38.174323, W 104.59353.

10320 DW Roberts (DWR 1860). Isolated from soil sample SS 14930, colony 2. 4 Jun 2009. USA: Pueblo County, Colorado. N 38.174323, W 104.59353.

10321 DW Roberts (DWR 1908). Isolated from soil sample SS 15883. 12 May 2009. USA: Kootenai County, Idaho. N 47.775148, W 116.96062.

10322 DW Roberts (DWR 1909). Isolated from soil sample SS 12891. 8 Jul 2009. USA: Antelope Flats, Point of Pines, Arizona. N 33.357648, W 109.73008.

10323 DW Roberts (DWR 1938). Isolated from soil sample SS 15228. Jun 2009. USA: Todd County, South Dakota. N 43.645, W 100.57.

10324 DW Roberts (DWR 1942). Isolated from soil sample SS 18100. 17 Nov 2009. USA: North Ocean Springs, Mississippi. N 30.28566, W 88.51151.

10325 DW Roberts (DWR 1949). Isolated from soil sample SS 18336. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.820671, W 100.77505.

10326 DW Roberts (DWR 1950). Isolated from soil sample SS 18335. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.820708, W 100.59431.

10327 DW Roberts (DWR 1951). Isolated from soil sample SS 18332. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.82045, W 100.39461.

10328 DW Roberts (DWR 1954). Isolated from soil sample SS 5123. 19 Aug 2008. USA: Sheridan County, Nebraska. N 42.98988, W 102.21945.

10329 DW Roberts (DWR 1955). Isolated from soil sample SS 18341, colony 1. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.574825, W 101.23943.

10330 DW Roberts (DWR 1956). Isolated from soil sample SS 18341, colony 2. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.574825, W 101.23943.

10331 DW Roberts (DWR 1957). Isolated from soil sample SS 18341, colony 3. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.574825, W 101.23943.

10332 DW Roberts (DWR 1958). Isolated from soil sample SS 1591. 13 Aug 2008. USA: Grant County, Nebraska. N 41.962825, W 101.50659.

10333 DW Roberts (DWR 1971). Isolated from soil sample SS 5120. 18 Aug 2008. USA: Morrill County, Nebraska. N 41.8132, W 103.14888.

10334 DW Roberts (DWR 1996). Isolated from soil sample SS 1488. 16 Jul 2008. USA: Franklin County, Washington. N 46.66756, W 118.25021.

10335 DW Roberts (DWR 1998). Isolated from soil sample SS 18339. 11 Jun 2008. USA: Bottineau County, North Dakota. N 48.774625, W 101.14656.

10336 DW Roberts (DWR 1999). Isolated from soil sample SS 18340. 29 Jun 2009. USA: Bottineau County, North Dakota. N 48.654198, W 101.14718.

10337 DW Roberts (DWR 2003). Isolated from soil sample SS 1675, colony 2. 14 Aug 2008. USA: Howard County, Nebraska. N 41.0758, W 98.4988.

10338 DW Roberts (DWR 2004). Isolated from soil sample SS 6130, colony 1. 12 Aug 2008. USA: Dale Widhalm, Nebraska. N 41.65222, W 102.85937.

10339 DW Roberts (DWR 2005). Isolated from soil sample SS 6130, colony 2. 12 Aug 2008. USA: Dale Widhalm, Nebraska. N 41.65222, W 102.85937.

10340 DW Roberts (DWR 2006). Isolated from soil sample SS 4907. 20 Jun 2008. USA: Towner County, North Dakota. N 48.805, W 99.329.

10341 DW Roberts (DWR 2007). Isolated from soil sample SS 4908. 20 Jun 2008. USA: Cavalier County, North Dakota. N 48.8197, W 98.6278.

10342 DW Roberts (DWR 2008). Isolated from soil sample SS 4904. 12 Jun 2008. USA: Ward County, North Dakota. N 48.05092, W 100.0582.

10343 DW Roberts (DWR 2009). Isolated from soil sample SS 5244. 20 Jun 2008. USA: Brule County, South Dakota. N 43.6147, W 98.99251.

10344 DW Roberts (DWR 2010). Isolated from soil sample SS 4901, colony 1. 20 Jun 2008. USA: McLean County, North Dakota. N 47.8331, W 100.888.

10345 DW Roberts (DWR 2011). Isolated from soil sample SS 4901, colony 2. 20 Jun 2008. USA: McLean County, North Dakota. N 47.8331, W 100.888.

10346 DW Roberts (DWR 2025). Isolated from soil sample SS 4446. May 2008. USA: Hardeman County, Texas. N 34.14822, W 99.7336.

Metarhizium acridum (Driver & Milner) JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Synonym: *Metarhizium anisopliae* var. *acridum*. Placement of isolates here has been genomically confirmed according to the classification of Bischoff et al. (2009).

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324 [CSIRO FI48] RS Soper ← R Teakle (M-100). *Austracris guttulosa* [Orthoptera: Acrididae]. Feb 1979. Australia: Queensland.

3341 [IMI 330189] C Prior. *Ornithacris cavroisi* [Orthoptera: Acrididae]. Rec'd 17 Jun 1991. Niger: ICRISAT, nr. Niamey. Single spore isolate.

3391 [FI 1028; IIBC I88-377; IIBC 188-377 ; IMI 324673] *Zonocerus elegans* [Orthoptera: Pyrgomorphidae]. Rec'd 17 Sep 1991. Tanzania.

3609 IMI (I91-614). *Patanga succincta* [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Thailand.

3612 IMI (I91-646). *Kraussaria angulifera* [Orthoptera: Acrididae: Cyrtacanthacridinae]. Rec'd 26 Feb 1992. Benin.

4605 [DAT 505] AC Rath (F505). *Austracris guttulosa* [Orthoptera: Acrididae]. 29 Sep 1993. Australia: Queensland.

5735 ST Jaronski (SP5). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.

5736 ST Jaronski (SP9). *Locusta migratoria capito* [Orthoptera: Acrididae]. 1993. Madagascar.

5747 MCHCA Bernal (MaPL14). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1992. Mexico: Cerro de Ortega, Colima.

5748 MCHCA Bernal (MaPL32). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1992. Mexico: Cerro de Ortega, Colima.

5750 MCHCA Bernal (MaPL39). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1995. Mexico: Isla Socorro, Colima.

6421 A Niassy (DPV-1, Khelkom KAN). *Kraussaria angulifera* [Orthoptera: Acrididae: Cyrtacanthacridinae]. Rec'd 7 Dec 1999. Senegal: Khelcom, District of Kaffrine, Region of Kaolack.

6592 [IITA 188] A Cherry. Abandoned termite mound. Rec'd 18 Sep 2000. Benin: Koda, Tchaourou, Borgou.

6597 [IITA 193] A Cherry. From soil. Rec'd 18 Sep 2000. Benin: Itadjebou, Ouémé.

6598 [IITA 194] A Cherry. Abandoned termite mound. Rec'd 18 Sep 2000. Benin: Zinvié, Atlantique.

6600 [IITA 196] A Cherry. Rec'd 18 Sep 2000. Benin: Diho, Save, Zou.

6851 GUL Braga and DW Roberts (DWR 158). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 3341 following UV-B exposure.

6852 GUL Braga and DW Roberts (DWR 159). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.

6853 GUL Braga and DW Roberts (DWR 160). 6 Feb 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 3341 following UV-B exposure.

6854 GUL Braga and DW Roberts (DWR 161). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.

6855 GUL Braga and DW Roberts (DWR 162). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.

6856 GUL Braga and DW Roberts (DWR 163). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.

6857 GUL Braga and DW Roberts (DWR 164). 14 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.

6858 GUL Braga and DW Roberts (DWR 165). 8 Feb 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.

6859 GUL Braga and DW Roberts (DWR 166). 7 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 3341 following UV-B exposure.

7486 [CSIRO FI-0987] IMI (330189). *Ornithacris cavroisi* [Orthoptera: Acrididae]. 29 Aug 1992. Niger. Ex-type isolate used by Driver et al. (2000) to describe *M. anisopliae* var. *acridum*.

9592 [ERL 1056] S Gouli (IMI-33/WFT) and V Gouli. 2006.

Metarhizium album Petch
[Sordariomycetes: Hypocreales]
Clavicipitaceae

1840 MC Rombach. *Nephotettix virescens* [Homoptera: Cicadellidae]. Acc'd 29 Jan 1985. Philippines: IRRI, Los Baños, Manila.

1941 MC Rombach (MPAL) ← DJ Im. *Nephotettix virescens* [Homoptera: Cicadellidae] on rice. Jul 1985. Philippines: Roxas, Palawan.

1942 MC Rombach (MLAG). *Nephotettix virescens* [Homoptera: Cicadellidae] on rice. Nov 1984. Philippines: Laguna.

1943 MC Rombach (MLAGwhite). *Nephotettix virescens* [Homoptera: Cicadellidae] on rice. Nov 1984. Philippines: Laguna.

2081 MC Rombach ← HC Evans (I85-87) ← MJ Coch. [Homoptera: Cicadellidae] on mango. Dec 1985. Philippines: Tuguegarao, Cagayan.

2082 [IMI 300150] MC Rombach ← HC Evans (I85-12). *Cofana spectra* [Homoptera: Cicadellidae] on rice. Mar 1985. Indonesia: Kotamobagu, Sulawesi Utara, Celebes.

2176 MC Rombach (130586-17). *Nephotettix virescens* [Homoptera: Cicadellidae] on rice. 13 May 1986. Philippines: nr. Baybay, Leyte.

2178 MC Rombach (130586-19). *Nephotettix virescens* [Homoptera: Cicadellidae] on rice. 13 May 1986. Philippines: nr. Baybay, Leyte.

2179 MC Rombach (130586-20). *Recilia dorsalis* [Homoptera: Cicadellidae] on rice. 13 May 1986. Philippines: nr. Baybay, Leyte.

Metarhizium anisopliae (Metschnikoff) Sorokin
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Strains included here have not been reconfirmed geonomically to belong to *Metarhizium anisopliae* in the classification of Bischoff et al. (2009).

9354 [ERL 1053] M Brownbridge (CA-171) and S Gouli. Isolated from soil sample. 2002. USA: California.

9487 [SRCAMB VL-1757] V Likhovidov. [Diptera]. 27 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-737.

9488 [SRCAMB AS-464] V Likhovidov. Isolated from soil sample. 19 May 2004. Ukraine: Askania-Nova Reserve, Kherson Oblast. Field Collection Number F-748.

***Metarhizium anisopliae* sensu lato** (Metschnikoff) Sorokin
[Sordariomycetes: Hypocreales]
Clavicipitaceae. These isolates were identified morphologically and have not yet been reidentified under the genomic classification of Bischoff et al. (2009).

435 [CSIRO FI53] SJ Gagen (1). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Warnambool, Victoria.

438 [CSIRO FI54] SJ Gagen (4). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia.

440 SJ Gagen (6). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Warnambool, Victoria.

441 SJ Gagen (7). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Warnambool, Victoria.

442 SJ Gagen (8). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Hawkesdale, Victoria.

445 SJ Gagen (11). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Carapook, Victoria.

456 [QEC 411.0] RS Soper. *Nilaparvata lugens* [Homoptera: Delphacidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

457 [QEC 412.0] RS Soper. *Nilaparvata lugens* [Homoptera: Delphacidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

485 [QEC 413.0] RS Soper (NT-21). *Nilaparvata lugens* [Homoptera: Delphacidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

486 [QEC 414.0] RS Soper (NT-25). *Nilaparvata lugens* [Homoptera: Delphacidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

487 [QEC 415.0] RS Soper (NT-20). *Nilaparvata lugens* [Homoptera: Delphacidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

488 [QEC 416.0] RS Soper (NT-24). *Nilaparvata lugens* [Homoptera: Delphacidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

489 [QEC 417.0] RS Soper (NT-22). *Nilaparvata lugens* [Homoptera: Delphacidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

543 DW Roberts (81280). *Recilia dorsalis* [Homoptera: Cicadellidae]. 12 Aug 1980. Philippines: greenhouse, IRRI, Los Baños, Manila.

549 [QEC 418.0] DW Roberts. Metabiol. Nov 1980. Brazil.

550 [QEC 419.0] DW Roberts. Metabiol. Nov 1980. Brazil.

551 [QEC 420.0] DW Roberts. Metabiol. Nov 1980. Brazil.

589 [QEC 432.0] JM Lenné (P1). Soil. Rec'd 13 Apr 1981. Colombia: Popayán, Cauca.

725 [CNPAF 82-1-6-02; CP 8] RA Daoust. *Chalcodermus aeneus* [Coleoptera: Curculionidae]. 6 Jan 1982. Brazil: CNPAF, Goiânia, Goiás.

728 [CNPAF 82-2-3-02; CP 22] RA Daoust. [Orthoptera]. 3 Feb 1982. Brazil: CNPAF, Goiânia, Goiás.

729 [CNPAF 82-2-15-02; CP 24] RA Daoust. *Deois flavopicta* [Homoptera: Cercopidae]. Feb 1982. Brazil: CNPAF, Goiânia, Goiás.

759 [CNPAF 82-4-1-01; CP 37] RA Daoust. *Deois flavopicta* [Homoptera: Cercopidae]. 1 Apr 1982. Brazil: CNPAF, Goiânia, Goiás.

760 [CNPAF 82-2-15-03; CP 31] RA Daoust. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. Feb 1982. Brazil: CNPAF, Goiânia, Goiás.

782 [CNPAF 82-5-4-01; CP 52] RA Daoust ← SM dos Santos. *Deois flavopicta* [Homoptera: Cercopidae]. 4 May 1982. Brazil: CNPAF, Goiânia, Goiás.

794 GA Kuter (300). Leaf litter under sugar maple. 1975. USA: Abraham's Woods, University of Wisconsin Arboretum, Green County, Wisconsin.

808 [CNPAF 82-7-23-01; CP 62] RA Daoust ← SM dos Santos. *Coleomegilla maculata* [Coleoptera: Coccinellidae]. 23 Jul 1982. Brazil: CNPAF, Goiânia, Goiás.

818 GG Soares (19). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.

844 DW Roberts ← B Schaerffenberg (Ma16). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

845 DW Roberts ← B Schaerffenberg (Ma13). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

846 DW Roberts ← B Schaerffenberg (Ma18). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

847 DW Roberts ← B Schaerffenberg (Ma1). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

848 DW Roberts ← B Schaerffenberg (Ma17). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

849 DW Roberts ← B Schaerffenberg (Ma8). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

850 DW Roberts ← B Schaerffenberg (Ma15). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

851 DW Roberts ← B Schaerffenberg (Ma10). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

852 DW Roberts ← B Schaerffenberg (Ma6). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

853 DW Roberts ← B Schaerffenberg (Ma11). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

854 DW Roberts ← B Schaerffenberg (Ma14). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

855 DW Roberts ← B Schaerffenberg (Ma5). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

856 DW Roberts ← B Schaerffenberg (Ma12). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

857 DW Roberts ← B Schaerffenberg (Ma9). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

858 DW Roberts ← B Schaerffenberg (Ma19). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

859 DW Roberts ← B Schaerffenberg (Ma4). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

860 DW Roberts ← B Schaerffenberg (Ma7). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

861 DW Roberts ← B Schaerffenberg (Ma20). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

862 DW Roberts ← B Schaerffenberg (Ma2). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

863 DW Roberts ← B Schaerffenberg (Ma3). Single spore isolation. Rec'd Spring 1983. Laboratory manipulation.

864 DW Roberts (Ma Teetor S2 SS#19) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.

865 DW Roberts (Ma Teetor S2 SS#20) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.

866 DW Roberts (Ma Teetor S2 SS#22) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.

867 DW Roberts (Ma Teetor S2 SS#18) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.

868 DW Roberts (Ma Teetor S2 SS#16) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.

869 DW Roberts (Ma Teetor S2 SS#17) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.

870 DW Roberts (Ma Teetor S2 SS#15) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.

871 DW Roberts (Ma Teetor S2 SS#21) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Rec'd May 1983. Laboratory manipulation.

872 [ARSEF 888 (deaccessioned); QEC 408.0] DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd 7 Jun 1983. Laboratory manipulation.

873 DW Roberts (Ma Teetor S2 SS#4) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd 7 Jun 1983. Laboratory manipulation.

874 DW Roberts (Ma Teetor S2 SS#2) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd 7 Jun 1983. Laboratory manipulation.

875 DW Roberts (Ma Teetor S2 SS#1) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd 7 Jun 1983. Laboratory manipulation.

889 DW Roberts (Ma Teetor S2 SS#9) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.

890 DW Roberts (Ma Teetor S2 SS#8) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.

891 DW Roberts (Ma Teetor S2 SS#7) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.

892 DW Roberts (Ma Teetor S2 SS#6) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.

893 DW Roberts (Ma Teetor S2 SS#3) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.

894 DW Roberts (Ma Teetor S2 SS#14) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.

895 DW Roberts (Ma Teetor S2 SS#13) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.

896 DW Roberts (Ma Teetor S2 SS#12) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.

897 DW Roberts (Ma Teetor S2 SS#11) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.

898 DW Roberts (Ma Teetor S2 SS#10) ← G Teetor-Barsch. Single spore reisolate of ARSEF 23 passed through an insect. Acc'd Jun 1983. Laboratory manipulation.

901 DW Roberts (VSS#6). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.

902 DW Roberts (VSS#5). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.

903 DW Roberts (VSS#4). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.

904 DW Roberts (VSS#3). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.

905 DW Roberts (VSS#2). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.

906 DW Roberts (VSS#1). Single spore isolation. Acc'd 24 Jun 1983. Laboratory manipulation.

907 [QEC 421.0] K Al-Aidroos (DIII 3B Bes 48 (recombinant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 25 Jun 1983. Laboratory manipulation.

908 K Al-Aidroos (S7N5 (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 8 Jul 1983. Laboratory manipulation.

909 [QEC 408.1] K Al-Aidroos (5.173 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 8 Jul 1983. Laboratory manipulation.

910 [QEC 423.0] K Al-Aidroos (D95A Bes 140 (recombinant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 8 Jul 1983. Laboratory manipulation.

911 [QEC 424.0] K Al-Aidroos (19-1a5 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 8 Jul 1983. Laboratory manipulation.

912 [QEC 425.0] K Al-Aidroos (D198A) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 22 Jul 1983. Laboratory manipulation.

913 [QEC 426.0] K Al-Aidroos (D95A (diploid, recombinant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 22 Jul 1983. Laboratory manipulation.

921 [QEC 422.1] K Al-Aidroos (42.2a9 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 22 Jul 1983. Laboratory manipulation.

922 K Al-Aidroos (5.281 (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 22 Jul 1983. Laboratory manipulation.

925 [ATCC 60335; EPABA E-9(ESMC); QEC 409.0] DW Roberts ← J Ventura. *Deois flavopicta* [Homoptera: Cercopidae]. 22 Aug 1978. Brazil: Espírito Santo.

929 [CNPAF 82-12-15-01; CP 67] RA Daoust ← SM dos Santos. Larva, *Chalcodermus aeneus* [Coleoptera: Curculionidae]. Dec 1982. Brazil: CNPAF, Goiânia, Goiás.

932 [CNPAF 82-12-20-02; CP 70] RA Daoust. [Coleoptera: Bruchidae]. 20 Dec 1982. Brazil: CNPAF, Goiânia, Goiás.

939 [CNPAF 83-3-3-03; CP 78] RA Daoust ← SM dos Santos. [Coleoptera: Carabidae]. 3 Mar 1983. Brazil: CNPAF, Goiânia, Goiás.

954 [CNPAF 83-03-16L; CP 99] RA Daoust and BP Magalhães. [Coleoptera: Bruchidae]. 16 Mar 1983. Brazil: Ponta Porã, Mato Grosso.

955 [CNPAF 83-4-27; CP 100] RA Daoust ← SM dos Santos. *Deois flavopicta* [Homoptera: Cercopidae]. 27 Apr 1983. Brazil: CNPAF, Goiânia, Goiás.

960 K Al-Aidroos (DIII 3B (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 26 Aug 1983. Laboratory manipulation.

965 K Al-Aidroos (5.378 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 17 Oct 1983. Laboratory manipulation.

966 K Al-Aidroos (19.1 (EMS mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 17 Oct 1983. Laboratory manipulation.

967 K Al-Aidroos (5.287 (EMS mutant)) ← DW Roberts (Ma Teetor S-SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 17 Oct 1983. Laboratory manipulation.

968 K Al-Aidroos (DIII 3A (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 17 Oct 1983. Laboratory manipulation.

1022 K Al-Aidroos (5.304 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 12 Dec 1983. Laboratory manipulation.

1023 K Al-Aidroos (JX1.23C (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 12 Dec 1983. Laboratory manipulation.

1024 K Al-Aidroos (JX1.23A (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 12 Dec 1983. Laboratory manipulation.

1025 K Al-Aidroos (42.2 (EMS mutant of 5.42)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 12 Dec 1983. Laboratory manipulation.

1055 [CNPS 19] F Moscardi. *Nezara viridula* [Hemiptera: Pentatomidae]. 1983. Brazil: Londrina, Paraná.

1056 [CNPS 25] F Moscardi. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 1983. Brazil: Londrina, Paraná.

1059 [CNPS 39C] F Moscardi. Larva, *Chlosyne lacinia saundersii* [Lepidoptera: Nymphalidae]. 1983. Brazil: Londrina, Paraná.

1083 K Al-Aidroos (5A.11 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.

1084 K Al-Aidroos (5A.7 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.

1085 K Al-Aidroos (5A.1 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.

1086 K Al-Aidroos (5A.10 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.

1087 K Al-Aidroos (5A (UV irradiated mutant of 5)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.

1088 K Al-Aidroos (5A.12 (EMS mutant of 5A)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.

1089 K Al-Aidroos (JXIV.245 (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.

1090 K Al-Aidroos (KIIVA (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.

1091 K Al-Aidroos (JIIXIV (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.

1094 DW Roberts ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). [Lepidoptera]. Acc'd 16 Feb 1984. Laboratory manipulation.

1097 K Al-Aidroos (JIVD (mutant)) ← DW Roberts (Ma Teetor S2 SS#5) ← G Teetor-Barsch (F84-1-1) ← ARSEF (23). Single spore isolation. Acc'd 16 Feb 1984. Laboratory manipulation.

1280 DW Roberts (MaT3JB-C) or (single spore isolate #1). *Popillia japonica* [Coleoptera: Scarabaeidae]. 1978. USA: Clinton Corners, New York.

1281 DW Roberts. Chemical mutant of Roberts # F84←ARSEF 23. Acc'd 3 May 1984. Laboratory manipulation.

1282 K El-kadi (CEPLAC-ICI). [Homoptera: Cercopidae]. Acc'd 3 May 1984. Brazil: Bahia.

1284 [QEC 434.0] DW Roberts (BPH-12). Biotype 3, *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1285 [QEC 435.0] DW Roberts (BPH-13). Biotype 3, *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1286 [QEC 436.0] DW Roberts (BPH-4). Biotype 3, *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1290 [QEC 437.0] DW Roberts (BPH-11). Biotype 3, *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1299 [ARSEF 1045; EPABA A-24] DW Roberts ← E Matta. [Homoptera: Cercopidae]. Aug 1978. Brazil: Bahia.

1300 [QEC 438.0] DW Roberts (VIII). *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: Plant Physiology Plot, IRRI, Los Baños, Manila.

1304 [QEC 439.0] DW Roberts (D). *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1373 S Keller (44). Acc'd 21 Jun 1984. Switzerland.

1374 S Keller (45). Acc'd 21 Jun 1984. Switzerland.

1375 S Keller (46). Acc'd 21 Jun 1984. Switzerland.

1376 S Keller (47). Acc'd 21 Jun 1984. Switzerland.

1377 [ARSEF ?396] S Keller (48). *Agriotes sputator* [Coleoptera: Elateridae]. 4 May 1977. Switzerland.

1378 Acc'd 26 Jun 1984. Location not specified.

1379 [EPABA A-12] DW Roberts ← E Matta. [Homoptera: Cercopidae]. 22 Aug 1978. Brazil: Bahia.

1380 Acc'd 26 Jun 1984. Location not specified.

1382 [EPABA A-10] DW Roberts ← E Matta. [Homoptera: Cercopidae]. 22 Aug 1978. Brazil: Bahia.

1386 Acc'd 5 Jul 1984. Location not specified.

1387 Acc'd 5 Jul 1984. Location not specified.

1388 Acc'd 5 Jul 1984. Location not specified.

1432 MC Rombach (B). *Scotinophara coarctata* [Hemiptera: Pentatomidae]. 14 Apr 1984. Philippines: Maasin, Palawan.

1449 [CNPAF 84-1-26; CP 123] BP Magalhães. *Deois incompleta* [Homoptera: Cercopidae]. 26 Jan 1984. Brazil: Altamira, Pará.

1490 [INRA Ma-127] GG Soares ← P Ferron ← DW Roberts. Acc'd 21 Aug 1984. Location not specified.

1548 MC Rombach (Ma Pal.I). Adult, *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. May 1984. Philippines: nr. PNAC Station, Arbor Lan, Palawan.

1726 DW Roberts (291013) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.

1727 DW Roberts (291015) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.

1728 DW Roberts (291001) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.

1744 DW Roberts (291014) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.

1745 DW Roberts (291016) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.

1823 DW Roberts (29103b) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.

1882 [CP 171] DW Roberts ← C Czepak. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 3 Jan 1985. Brazil: CNPAF, Goiânia, Goiás.

1883 [CP 172] DW Roberts ← JFS Martins. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 11 Jan 1985. Brazil: CNPAF, Goiânia, Goiás.

1885 [CP 174] DW Roberts ← SM dos Santos. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. 23 Apr 1985. Brazil: CNPAF, Goiânia, Goiás.

1890 DW Roberts ← RA Daoust (ZcG3). [Homoptera: Cercopidae]. Jan 1980. Brazil: Pará.

1891 DW Roberts ← MA Naves (460(88)). [Homoptera: Cercopidae]. Jan 1980. Brazil: Pará.

1892 DW Roberts ← RA Daoust (Eq-ESMC-CsI). *Deois flavopicta* [Homoptera: Cercopidae] isolate (Daoust # E-9) passed through *Culex quinquefasciatus* [Diptera: Culicidae]. Acc'd 6 Jun 1985. Laboratory manipulation.

1895 DW Roberts ← RA Daoust (ZcG1). [Homoptera: Cercopidae]. Jan 1980. Brazil: Pará.

1896 [EPABA A-8(BAMC)] DW Roberts ← E Matta. *Mahanarva posticata* [Homoptera: Cercopidae]. Rec'd Aug 1978. Brazil: Salvador, Bahia.

1898 [EPABA A-18 (BAMC)] DW Roberts ← E Matta. *Mahanarva posticata* [Homoptera: Cercopidae]. Rec'd Aug 1978. Brazil: Salvador, Bahia.

1899 [EPABA A-23] DW Roberts ← E Matta. [Homoptera: Cercopidae]. Rec'd Aug 1978. Brazil.

1901 DW Roberts ← MA Naves (CG-6). [Coleoptera: Carabidae]. Jan 1980. Brazil: Pará.

1902 DW Roberts ← RA Daoust (ZcG4). [Homoptera: Cercopidae]. Jan 1980. Brazil.

1903 DW Roberts (103a). *Conoderus* sp. [Coleoptera: Elateridae]. Acc'd 11 Jun 1985. USA.

1911 [EPABA A-2] DW Roberts ← E Matta. [Homoptera: Cercopidae]. Rec'd Aug 1978. Brazil.

1958 [CNPAF 85-7-24-1; CP 184] JC Lord and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 24 Jul 1985. Brazil: Ribeira do Pombal, Bahia.

1970 [CNPAF 82-12-01; CP 170] C Czepak. *Deois flavopicta* [Homoptera: Cercopidae]. 1 Dec 1984. Brazil: CNPAF, Goiânia, Goiás.

1989 [ARSEF 1452 (deaccessioned); CNPAF 53; CP 126] F Moscardi. *Sternechus subsignatus* [Coleoptera: Curculionidae]. 27 Mar 1984. Brazil: Soybean Center, Londrina, Paraná.

2038 MC Rombach (161085-35) ← SB Ahn (D2-4). *Nilaparvata lugens* [Homoptera: Delphacidae] on rice. 16 Oct 1985. Republic of Korea.

2039 MC Rombach (161085-36) ← SB Ahn (E2-13). *Nilaparvata lugens* [Homoptera: Delphacidae] on rice. 16 Oct 1985. Republic of Korea.

2076 [CP 194] JC Lord and BP Magalhães. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 1985. Brazil: CNPAF, Goiânia, Goiás.

2077 [CP 195] JC Lord and BP Magalhães. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 1985. Brazil: CNPAF, Goiânia, Goiás.

2105 DG Holdom (130286-3). *?Hydrellia* sp. [Diptera: Ephydridae]. 13 Feb 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2135 T Searle (F). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada: Southern Québec.

2136 T Searle (K). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada.

2137 T Searle (Q). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada: Southern Québec.

2138 T Searle (W). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada: Southern Québec.

2139 T Searle (Z). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Aug 1985. Canada: Southern Québec.

2156 BN Muthappa (PNG 12711). Adult, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.

2163 BN Muthappa (PNG 12722). Larva, [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.

2165 BN Muthappa (PNG 12724). Larva, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.

2166 BN Muthappa (PNG 12726). Larva, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.

2167 BN Muthappa (PNG 12727). Larva, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.

2211 [CNPAF 86-06-02-3; CP 207] DW Roberts ← JFS Martins. Soil. 2 Jun 1986. Brazil: Campinas, São Paulo.

2212 [CNPAF 86-06-05-9; CP 208] DW Roberts ← PMOJ Neves. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.

2213 [CNPAF 86-06-05-8; CP 209] DW Roberts ← O Sales. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.

2214 [CNPAF 86-06-05-7; CP 210] DW Roberts ← JFS Martins. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.

2230 MC Rombach (220786-1). 22 Jul 1986. Location not specified.

2341 [ARSEF 2381 (never frozen), 2383 (never frozen)] MC Rombach (120286-2). *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. 12 Feb 1986. Philippines: Palawan.

2342 [ARSEF 2384 (never frozen)] MC Rombach (120286-3). *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. 12 Feb 1986. Philippines: Palawan.

2343 [ARSEF 2385 (never frozen)] MC Rombach (120286-4). *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. 12 Feb 1986. Philippines: Palawan.

2424 DG Holdom (080287-1). Larva, [Lepidoptera]. 8 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2510 [CP 218] SM dos Santos. *Atta* sp. [Hymenoptera: Formicidae]. 29 Apr 1987. Brazil: CNPAF, Goiânia, Goiás.

2513 [CP 236A] SM dos Santos. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Oct 1986. Brazil: CNPAF, Goiânia, Goiás.

2521 [CP 225] F Moscardi. *Deois* sp. [Homoptera: Cercopidae]. 1983. Brazil: CNPS, Londrina, Paraná.

2548 SV Krueger ← FL Consolie and MG Villani. *Popillia japonica* [Coleoptera: Scarabaeidae]. Oct 1987. USA: Sleepy Hollow, New York.

2574 Acc'd 11 Jul 1988. Location not specified.

2628 [CNPAF Pl-88; CP 243] DW Roberts ← Planalsucar. 23 May 1988. Brazil: Carpina, Pernambuco.

2634 [CNPAF D4; CP 251] DW Roberts ← Dep. Genetica da ISALQ. Mutant of E9 ESMC parent. Rec'd 23 Nov 1988. Brazil: Piracicaba, São Paulo.

2635 [CNPAF 88-5-6B; CP 253] DW Roberts ← E Dias Quintela. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 6 May 1988. Brazil: CNPAF, Goiânia, Goiás.

2805 GW Riethmacher (B13m). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 11 Apr 1989. Philippines: Atok, Benguet.

2806 GW Riethmacher (B14m). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 4 May 1989. Philippines: Atok, Benguet.

2941 [CP 272] SP Wraight ← DR Sosa-Gómez. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. 8 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.

2949 [CP 277] SP Wraight ← CA da Silva, EC de Moura, GS de Sá and SM dos Santos. [Isoptera]. 19 Jan 1989. Brazil: CNPAF, Goiânia, Goiás.

2951 [CP 285] SP Wraight ← C Czepak. [Isoptera]. 9 Nov 1989. Brazil: CNPAF, Goiânia, Goiás.

3056 [MAF F11] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: Canterbury Plains, South Island.

3057 [MAF F12] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: South Island.

3064 [MAF F25] T Glare. Larva, [Lepidoptera: Crambidae]. Rec'd Oct 1990. New Zealand: Christchurch, South Island.

3127 [IMI 168777ii] C Prior ← M Tulloch. *Schistocerca gregaria* [Orthoptera: Acrididae]. 1974. Laboratory manipulation.

3146 INRA (Ma-70). *Anagyrus* sp. [Hymenoptera: Encyrtidae]. Aug 1972. Mexico.

3147 INRA (Ma-152) ← G Riba. [Homoptera: Cercopidae]. Dec 1981. Brazil.

3148 INRA (Ma-181) ← A Caudal. *Haphochelus marginalis* [Coleoptera]. May 1983. France: Réunion.

3190 GW Riethmacher (B44a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 17 May 1990. Philippines: La Trinidad, Benguet.

3194 GW Riethmacher (B47a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 6 Jun 1990. Philippines: Villiasis, Pangasinan.

3196 GW Riethmacher (B48). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 13 Jun 1990. Philippines: Baguin City, Benguet.

3290 J Gutierrez Samperio (6) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1988. Mexico: Colima.

3291 J Gutierrez Samperio (7) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1987. Mexico: Colima.

3292 J Gutierrez Samperio (8) ← ERD Reyes. *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. 1987. Mexico: Colima.

3293 J Gutierrez Samperio (9) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.

3305 J Gutierrez Samperio (21) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.

3306 J Gutierrez Samperio (22) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.

3307 J Gutierrez Samperio (23) ← ERD Reyes. [Homoptera: Cercopidae] on sugar cane. 1990. Mexico: Colima.

3308 J Gutierrez Samperio (24) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.

3329 DW Roberts ← AS Martins (A-1). 3rd instar larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. Spring 1988. Portugal: Terceira Island, Azores.

3330 SV Krueger (MaJB1). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.

3331 SV Krueger (MaJB2). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.

3332 SV Krueger (MaJB3). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.

3333 SV Krueger (MaJB6). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.

3334 SV Krueger (MaJB7). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.

3335 SV Krueger (MaJB8). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.

3336 SV Krueger (MaJB9). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.

3337 SV Krueger (MaJB10). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.

3338 SV Krueger (MaJB11). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.

3339 SV Krueger (MaJB12). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.

3340 SV Krueger (MaJB13). *Popillia japonica* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.

3389 I Majchrowicz (T-11-4). *Tribolium castaneum* [Coleoptera: Tenebrionidae] on apple. 16 Jul 1991. USA: Seto Farm, Granger, Washington.

3479 CENARGEN (CG 339). [Coleoptera: Scarabaeidae]. 1991. Brazil: Brasília, Distrito Federal.

3541 M Brownbridge (B-5). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 27 Nov 1991. USA: Motyka's sugar maple stand, Orange County, Vermont.

3542 M Brownbridge (B-18). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 27 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.

3544 M Brownbridge (B-35). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 19 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.

3565 M Brownbridge (B-36). Rec'd 10 Jan 1992. Location not specified.

3605 [CSIRO FI 1039] IMI (I90-574). *Acrotylus* sp. [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Pakistan.

3619 IMI (I91-676). *Oxya multidentata* [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Pakistan.

3713 RA LeBrun ← J Hanula (C-5). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 3 Jun 1991. USA: Clinton, Connecticut.

3720 RA LeBrun ← J Hanula. Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 20 May 1991. USA: Windsor, Connecticut.

3822 [ARSEF 2153] N Underwood (ARSEF2153). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 8 Jan 1993. Laboratory manipulation.

3827 CF Andrade (IF#1). Larva, *Ochlerotatus triseriatus* [Diptera: Culicidae]. 11 May 1992. USA: Stair Park, Vestal, NY.

3918 DR Sosa-Gómez (CNPSo-MA2). Soil. 10 Nov 1989. Brazil: Mauá, Paraná.

3919 DR Sosa-Gómez (CNPSo-Ma3). Soil. 10 Nov 1989. Brazil: Mauá, Paraná.

3920 DR Sosa-Gómez (CNPSo-Ma4). Soil. 10 Nov 1989. Brazil: Mauá, Paraná.

3930 DR Sosa-Gómez (CNPSo-Bb49). Host not specified. Rec'd Jun 1993. Location not specified. Reisolate of either ARSEF 944 or 933: not specified.

4095 LA Lacey (94005). [Homoptera: Cicadidae]. Rec'd 28 Mar 1994. Brazil.

4125 [DAT 2] AC Rath (Fl24). *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 2 May 1986. Australia.

4132 [DAT 11] AC Rath (F011). Larva, *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1983. Australia: Eyre Pennisular, South Australia.

4133 [DAT 12] AC Rath (F012). Larva, *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1983. Australia: Aldgate, South Australia.

4134 [DAT 14] AC Rath (F014). Larva, *Sericethis* sp. [Coleoptera: Scarabaeidae]. 8 May 1986. Australia: Laboratory, Newtown, Tasmania.

4137 [DAT 19] AC Rath (F019). Larva, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1986. Australia: Laboratory, Newtown, Tasmania.

4138 [DAT 20] AC Rath (F020). Larva, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1 Dec 1986. Australia: NW Coast, Tasmania.

4139 [DAT 24] AC Rath (F024). *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1 Dec 1986. Australia: South Australia.

4141 [DAT 29] AC Rath (F029). *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1987. Australia: Woodbury, Tasmania.

4142 [DAT 36] AC Rath (F036). *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1987. Laboratory.

4151 [DAT 146; H Yip HY215] AC Rath (F146). Soil. 26 Oct 1988. Australia: Mt Morriston, Ross, Tasmania.

4155 [DAT 153] AC Rath (F153) ← H Yip (HY208). Soil. 26 Oct 1988. Australia: Westbury, Tasmania.

4156 [DAT 156] AC Rath (F156) ← H Yip (HY205). Soil. 26 Oct 1988. Australia: Westbury, Tasmania.

4157 [DAT 163] AC Rath (F163) ← H Yip (HY198). Soil. 13 Oct 1988. Australia: Huonville, Tasmania.

4159 [DAT 169] AC Rath (F169) ← H Yip (HY192). Soil. 13 Oct 1988. Australia: Melton Mowbray, Tasmania.

4160 [DAT 170] AC Rath (F170) ← H Yip (HY191). Soil. 13 Oct 1988. Australia: Colebrook, Tasmania.

4161 [DAT 171] AC Rath (F171) ← H Yip (HY190). Soil. 13 Oct 1988. Australia: Conmurra, Tasmania.

4162 [DAT 188] AC Rath (F188) ← H Yip (HY173). Soil. 26 Sep 1988. Australia: Bridport, Tasmania.

4163 [DAT 190] AC Rath (F190) ← H Yip (HY171). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.

4166 [DAT 194] AC Rath (F194) ← H Yip (HY167). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.

4167 [DAT 195] AC Rath (F195) ← H Yip (HY166). Soil. 20 Sep 1988. Australia: Exeter, Tasmania.

4168 [DAT 196] AC Rath (F196) ← H Yip (HY165). Soil. 20 Sep 1994. Australia: Frankford, Tasmania.

4169 [DAT 197] AC Rath (F197) ← H Yip (HY164). Soil. 20 Sep 1994. Australia: Frankford, Tasmania.

4170 [DAT 198] AC Rath (F198) ← H Yip (HY163). Soil. 20 Sep 1994. Australia: Exeter, Tasmania.

4171 [DAT 200] AC Rath (F200) ← H Yip (HY161). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.

4172 [DAT 201] AC Rath (F201) ← H Yip (HY160). Soil. 9 Sep 1988. Australia: Beaconsfield, Tasmania.

4173 [DAT 202] AC Rath (F202) ← H Yip (HY159). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.

4174 [DAT 203] AC Rath (F203) ← H Yip (HY158). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.

4175 [DAT 204] AC Rath (F204) ← H Yip (HY156). Soil. 9 Sep 1988. Australia: Bridport, Tasmania.

4176 [DAT 205] AC Rath (F205) ← H Yip (HY157). Soil. 9 Sep 1988. Australia: Beechford, Tasmania.

4177 [DAT 206] AC Rath (F206) ← H Yip (HY155). Soil. 9 Sep 1988. Australia: Effingham, Beechford, Tasmania.

4178 [DAT 207] AC Rath (F207) ← H Yip (HY154). Soil. 9 Sep 1988. Australia: Effingham, Beechford, Tasmania.

4180 [DAT 209] AC Rath (F209) ← H Yip (HY152). Soil. 23 Aug 1988. Australia: Montumana, Tasmania.

4181 [DAT 215] AC Rath (F215) ← H Yip (HY146). Soil. 23 Aug 1988. Australia: Stanley, Tasmania.

4183 [DAT 227] AC Rath (F227) ← H Yip (HY134). Soil. 23 Aug 1988. Australia: Leighlands, Perth, Tasmania.

4184 [DAT 228] AC Rath (F228) ← H Yip (HY133). Soil. 23 Aug 1988. Australia: Leighlands, Perth, Tasmania.

4185 [DAT 245] AC Rath (F245) ← H Yip (HY116). Soil. 8 Jul 1988. Australia: Ulverstone, Tasmania.

4186 [DAT 246] AC Rath (F246) ← H Yip (HY115). Soil. 8 Jul 1988. Australia: Forth, Tasmania.

4187 [DAT 248] AC Rath (F248) ← H Yip (HY113). Soil. 8 Jul 1988. Australia: Forcett, Tasmania.

4188 [DAT 249] AC Rath (F249) ← H Yip (HY112). Soil. 8 Jul 1988. Australia: Forcett, Tasmania.

4189 [DAT 252] AC Rath (F252) ← H Yip (HY108). Soil. Rec'd 9 May 1994. Australia: Forcett, Tasmania.

4190 [DAT 253] AC Rath (F253) ← H Yip (HY207). Soil. 8 Jun 1988. Australia: Copping, Tasmania.

4191 [DAT 254] AC Rath (F254) ← H Yip (HY106). Soil. 8 Jun 1988. Australia: Copping, Tasmania.

4192 [DAT 331] AC Rath (F331) ← H Yip (HY027). Soil. 6 Jan 1988. Australia: Launceston, Tasmania.

4220 [DAT 177] AC Rath (F177) ← H Yip (HY184). Soil. 5 Oct 1988. Australia: Snug, Tasmania.

4224 [DAT 180] AC Rath (F180) ← H Yip (HY181). Soil. 26 Sep 1988. Australia: Branxholm, Tasmania.

4225 [DAT 185] AC Rath (F185) ← H Yip (HY176). Soil. 26 Sep 1988. Australia: Bridport, Tasmania.

4226 [DAT 221] AC Rath (F221) ← H Yip (HY140). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.

4229 [DAT 179] AC Rath (F179) ← H Yip (HY182). Soil. 26 Sep 1988. Australia: Bridport, Tasmania.

4230 [DAT 212] AC Rath (F212) ← H Yip (HY149). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.

4232 [DAT 106] AC Rath (F106). Soil. 14 Jan 1988. Australia: Lockfaine, Benham Estate, Avoca, Tasmania.

4234 [DAT 119] AC Rath (F119). Larva, *Oncopera intrucata* [Lepidoptera: Hepialidae]. 2 Jan 1988. Australia: Richmond, Tasmania.

4235 [DAT 214] AC Rath (F214) ← H Yip (HY147). Soil. 23 Aug 1988. Australia: Edith Creek, Tasmania.

4236 [DAT 13] AC Rath (F013). Larva, *Sericethis* sp. [Coleoptera: Scarabaeidae]. 5 Aug 1986. Australia: Laboratory, Newtown, Tasmania.

4239 [DAT 34] AC Rath (F034). *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1987. Laboratory.

4242 [DAT 45] AC Rath (F045) ← RJ Milner (Fl121). Host not specified. 20 Oct 1987. Australia: New South Wales.

4244 [DAT 187] AC Rath (F187) ← H Yip (HY174). Soil. 26 Sep 1988. Australia: Branxholm, Tasmania.

4246 [DAT 114] AC Rath (F114). Soil. 14 Jan 1988. Australia: Avoca, Tasmania.

4247 [DAT 182] AC Rath (F182) ← H Yip (HY179). Soil. 26 Sep 1988. Australia: St Mary's, Tasmania.

4248 [DAT 183] AC Rath (F183) ← H Yip (HY178). Soil. 26 Sep 1988. Australia: St Helens, Tasmania.

4249 [DAT 77] AC Rath (F077) ← H Yip. Soil. 1 Dec 1987. Australia: Lavender Rarm Rd., Bridport, Tasmania.

4250 [DAT 217] AC Rath (F217) ← H Yip (HY144). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.

4252 [DAT 111] AC Rath (F111). Soil. 13 Feb 1988. Australia: Lockfaine, Benham Estate, Avoca, Tasmania.

4253 [DAT 73] AC Rath (F073). Soil. 4 Jan 1988. Australia: Fairfield, Epping Forest, Tasmania.

4255 [DAT 107] AC Rath (F107) ← Pearn. Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.

4256 [DAT 103] AC Rath (F103) ← Pearn. Soil. 14 Jan 1988. Australia: Lockfaine,Benham Estate, Avoca, Tasmania.

4257 [DAT 113] AC Rath (F113). Soil. 1988. Australia: Benham Estate, Avoca, Tasmania.

4259 [DAT 178] AC Rath (F178) ← H Yip (HY183). Soil. 26 Sep 1988. Australia: Welborough, Tasmania.

4262 [DAT 236] AC Rath (F236) ← H Yip (HY125). Soil. 8 Jul 1988. Australia: Sprent, Tasmania.

4264 [DAT 337] AC Rath (F337) ← H Yip (HY22). Soil. 6 Jan 1988. Australia: The Braes, Woodbury, Tasmania.

4265 [DAT 216] AC Rath (F216) ← H Yip (HY145). Soil. 23 Aug 1988. Australia: Irishtown, Tasmania.

4266 [DAT 100] AC Rath (F100) ← Pearn. Soil. 13 Jan 1988. Australia: Avoca, Tasmania.

4267 [DAT 244] AC Rath (F244) ← H Yip (HY117). Soil. 8 Jul 1988. Australia: Sprent, Tasmania.

4268 [DAT 96] AC Rath (F096). Soil. 7 Jan 1988. Australia: Mt. Wellington, Hobart, Tasmania.

4269 [DAT 174] AC Rath (F174) ← H Yip (HY187). Soil. 5 Oct 1988. Australia: Snug, Tasmania.

4270 [DAT 172] AC Rath (F172) ← H Yip (HY189). Soil. 13 Oct 1988. Australia: Colebrook, Tasmania.

4275 [DAT 230] AC Rath (F230) ← H Yip (HY131). Soil. 18 Jul 1988. Australia: Elverton, Blessington, Tasmania.

4278 [DAT 94] AC Rath (F094). Soil. 20 Jan 1988. Australia: Fairfield, Epping Forest, Tasmania.

4279 [DAT 218] AC Rath (G218) ← H Yip (HY143). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.

4280 [DAT 154] AC Rath (F154) ← H Yip (HY207). Soil. 26 Oct 1988. Australia: Tasmania.

4281 [DAT 155] AC Rath (F155) ← H Yip (HY206). Soil. 26 Oct 1988. Australia: Cressy, Tasmania.

4282 [DAT 229] AC Rath (F229) ← H Yip (HY132). Soil. 18 Jul 1988. Australia: Leighlands, Perth, Tasmania.

4283 [DAT 89] AC Rath (F089). Soil. 5 Dec 1987. Australia: Fairfield, Epping Forest, Tasmania.

4284 [DAT 306] AC Rath (F306) ← H Yip (HY53). Soil. 19 Feb 1988. Australia: Benham, Avoca, Tasmania.

4286 [DAT 167] AC Rath (F167) ← H Yip (HY194). Soil. 13 Oct 1988. Australia: Huonville, Tasmania.

4287 [DAT 186] AC Rath (F186) ← H Yip (HY175). Soil. 26 Sep 1988. Australia: St Mary's, Tasmania.

4288 [DAT 275] AC Rath (F275) ← H Yip (HY85). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.

4290 [DAT 493] AC Rath (F493) ← W Theunis (SOL IS 17). Adult, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.

4291 [DAT 386] AC Rath (F386) ← H Yip (HY246). Soil. Rec'd 6 Jun 1994. Australia: Epping Forest, Tasmania.

4292 [DAT 379] AC Rath (F379) ← H Yip (HY239). Soil. Rec'd 6 Jun 1994. Australia: Smithton, Tasmania.

4293 [DAT 326] AC Rath (F326) ← H Yip (HY33). Soil. Rec'd 6 Jun 1994. Australia: Epping Forest, Tasmania.

4295 [DAT 448] AC Rath (F448) ← H Yip (HY280). Soil. Rec'd 6 Jun 1994. Australia: Bruny Island, Tasmania.

4296 [DAT 165] AC Rath (F165) ← H Yip (HY196). Soil. Rec'd 6 Jun 1994. Australia: Dover, Tasmania.

4298 [DAT 160] AC Rath (F160) ← H Yip (HY201). Soil. Rec'd 6 Jun 1994. Australia: Bracknell, Tasmania.

4299 [DAT 97] AC Rath (F097). Soil. Rec'd 6 Jun 1994. Australia: Benham Estate, Benham, Avoca.

4306 [DAT 274] AC Rath (F274) ← H Yip (HY86). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.

4307 [DAT 293] AC Rath (F293) ← H Yip (HY67). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.

4308 [DAT 321] AC Rath (F321) ← H Yip (HY38). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.

4309 [DAT 364] AC Rath (F364) ← H Yip (HY217). Soil. Rec'd 6 Jun 1994. Australia: Buckland, Tasmania.

4310 [DAT 320] AC Rath (F320) ← H Yip (HY39). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.

4311 [DAT 325] AC Rath (F325) ← H Yip (HY34). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.

4312 [DAT 322] AC Rath (F322) ← H Yip (HY37). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.

4313 [DAT 315] AC Rath (F315) ← H Yip (HY44). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.

4314 [DAT 324] AC Rath (F324) ← H Yip (HY35). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.

4315 [DAT 314] AC Rath (F314) ← H Yip (HY45). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.

4316 [DAT 319] AC Rath (F319) ← H Yip (HY40). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.

4317 [DAT 317] AC Rath (F317) ← H Yip (HY42). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.

4318 [DAT 318] AC Rath (F318) ← H Yip (HY41). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.

4319 [DAT 316] AC Rath (F316) ← H Yip (HY43). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.

4322 [DAT 397] AC Rath (F397) ← H Yip (HY257). Soil. Rec'd 6 Jun 1994. Australia: Colebrook, Tasmania.

4323 [DAT 285] AC Rath (F285) ← H Yip (HY75). Soil. Rec'd 6 Jun 1994. Australia: Interlaken, Tasmania.

4324 [DAT 282] AC Rath (F282) ← H Yip (HY78). Soil. Rec'd 6 Jun 1994. Australia: View Point, Campbelltown, Tasmania.

4325 [DAT 279] AC Rath (F279) ← H Yip (HY81). Soil. Rec'd 6 Jun 1994. Australia: View Point, Campbelltown, Tasmania.

4327 [DAT 291] AC Rath (F291) ← H Yip (HY69). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.

4328 [DAT 273] AC Rath (F273) ← H Yip (HY87). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.

4329 [DAT 287] AC Rath (F287) ← H Yip (HY73). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.

4330 [DAT 283] AC Rath (F283) ← H Yip (HY77). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.

4331 [DAT 286] AC Rath (F286) ← H Yip (HY74). Soil. Rec'd 6 Jun 1994. Australia: Interlaken, Interlaken, Tasmania.

4332 [DAT 289] AC Rath (F289) ← H Yip (HY71). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.

4333 [DAT 483] AC Rath (F483) ← W Theunis (SOL IS 6). Pupa, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.

4334 [DAT 492] AC Rath (F492) ← W Theunis (SOL IS 16). Larva(L3), [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.

4335 [DAT 484] AC Rath (F484) ← W Theunis (SOL IS 7). Larva(L3), [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.

4336 [DAT 488] AC Rath (F488) ← W Theunis (SOL IS 12). Adult, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.

4337 [DAT 490] AC Rath (F490) ← W Theunis (SOL IS 14). Larva(L3), [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.

4338 [DAT 486] AC Rath (F486) ← W Theunis (SOL IS 11). Pupa, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.

4339 [DAT 485] AC Rath (F485) ← W Theunis (SOL IS 10). Pupa, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.

4340 [DAT 489] AC Rath (F489) ← W Theunis (SOL IS 14). Pupa, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.

4341 [DAT 487] AC Rath (F487) ← W Theunis (SOL IS 12). Adult, [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.

4343 [DAT 496] AC Rath (F496). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.

4344 [DAT 497] AC Rath (F497). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.

4345 [DAT 498] AC Rath (F498). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.

4346 [DAT 33] AC Rath (F033). *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. Rec'd 6 Jun 1994. Australia: Woodbury, Tasmania.

4347 [DAT 323] AC Rath (F323) ← H Yip (HY36). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.

4348 [DAT 284] AC Rath (F284) ← H Yip (HY76). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca, Tasmania.

4349 [DAT 290] AC Rath (F290) ← H Yip (HY70). Soil. Rec'd 6 Jun 1994. Australia: Interlaken, Interlaken, Tasmania.

4350 [DAT 382] AC Rath (F382) ← H Yip (HY242). Soil. Rec'd 6 Jun 1994. Australia: Evandale, Tasmania.

4351 [DAT 383] AC Rath (F383) ← H Yip (HY241). Soil. Rec'd 6 Jun 1994. Australia: Campbelltown, Tasmania.

4352 [DAT 384] AC Rath (F384) ← H Yip (HY244). Soil. Rec'd 6 Jun 1994. Australia: Beaconsfield, Tasmania.

4354 [DAT 365] AC Rath (F365) ← H Yip (HY216). Soil. Rec'd 6 Jun 1994. Australia: Mt. Morriston, Ross, Tasmania.

4355 [DAT 157] AC Rath (F157) ← H Yip (HY204). Soil. Rec'd 6 Jun 1994. Australia: Westbury, Tasmania.

4357 [DAT 446] AC Rath (F446) ← H Yip (HY278). Soil. Rec'd 6 Jun 1994. Australia: Bothwell, Tasmania.

4450 LA Lacey (94105). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.

4522 JD Vandenberg (DBM11C). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. Rec'd 13 Jul 1994. USA: Ontario County, New York.

4556 [DAT 506; IMI 384583] AC Rath (F506). *Boophilus* sp. [Acari: Ixodidae]. 29 Sep 1993. USA: Florida.

4557 [DAT 481] AC Rath (F481). Pupa, [Coleoptera]. 22 Jun 1993. Solomon Islands.

4558 Pupa, [Coleoptera]. 22 Jun 1993. Solomon Islands.

4560 [DAT 408] AC Rath (F408) ← H Yip (HY268). Host not specified. 23 Nov 1988. Australia: Spreyton, Tasmania.

4562 Soil. 10 Jan 1989. Australia: Bruny Island, Tasmania.

4563 [DAT 373] AC Rath (F373) ← H Yip (HY233). Soil. 30 Sep 1988. Australia: Deddington, Tasmania.

4565 [DAT 263] AC Rath (F263) ← H Yip (HY97). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.

4567 [DAT 122] AC Rath (F122). Soil. 1 Mar 1988. Australia: Glen Morey, Woodbury, Tasmania.

4568 [DAT 510] AC Rath (F510). Larva, *Sericesthis micans* [Coleoptera: Scarabaeidae]. 11 Feb 1994. Australia: New South Wales.

4569 [DAT 495] AC Rath (F495). Soil. 22 Jun 1993. Australia: Macquarie Island.

4570 [DAT 494] AC Rath (F494). Soil. 22 Jun 1993. Australia: Macquarie Island.

4572 [DAT 479] AC Rath (F479) ← W Theunis (SOL IS 2). 3rd instar larva, [Coleoptera]. 22 Jun 1993. Solomon Islands.

4573 [DAT 361] AC Rath (F361) ← H Yip (HY220). Soil. 6 Oct 1988. Australia: Cethana, Tasmania.

4574 [DAT 516] AC Rath (F516). 3rd instar larva, *Anoplognathus hirsutus* [Coleoptera: Scarabaeidae]. 10 Mar 1994. Australia: Glen Innes, New England, New South Wales.

4576 [DAT 399] AC Rath (F399) ← H Yip (HY259). Soil. 28 Sep 1988. Australia: Cressy, Tasmania.

4577 [DAT 415] AC Rath (F415) ← H Yip (HY275). Soil. 3 Nov 1988. Australia: Whitefoord, Tasmania.

4578 [DAT 257] AC Rath (F257) ← H Yip (HY224). Soil. 1 Dec 1988. Australia: Bruny Island, Tasmania.

4579 [DAT 101] AC Rath (F101). Soil. 13 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.

4581 [DAT 235] AC Rath (F235) ← H Yip (HY126). Soil. 11 Aug 1988. Australia: Interlaken, Interlaken, Tasmania.

4582 [DAT 478] AC Rath (F478) ← W Theunis (SOL IS1). 3rd instar larva, [Coleoptera]. 22 Jun 1993. Solomon Islands.

4584 [DAT 391] AC Rath (F391) ← H Yip (HY251). Soil. 22 Jun 1988. Australia: Beaconsfield, Tasmania.

4585 [DAT 398] AC Rath (F398) ← H Yip (HY258). Soil. 19 Sep 1988. Australia: Snug, Tasmania.

4586 [DAT 311] AC Rath (F311) and H Yip (HY48). Soil. 18 Feb 1988. Australia: Benham, Avoca, Tasmania.

4590 [DAT 414] AC Rath (F414) ← H Yip (HY274). Soil. 11 Mar 1988. Australia: Whitefoord, Tasmania.

4591 [DAT 300] AC Rath (F300) ← H Yip (HY59). Soil. 29 Feb 1988. Australia: Jericho, Tasmania.

4592 [DAT 35] AC Rath (F035). Soil. 1987. Australia: Woodbury, Tasmania.

4593 [DAT 265] AC Rath (F265) ← H Yip (HY95). Soil. 6 Mar 1988. Australia: Leighlands, Perth, Tasmania.

4594 [DAT 338] AC Rath (F338) ← H Yip (HY21). Soil. Spring 1988. Australia: Glen Morey, Woodbury, Tasmania.

4595 [DAT 296] AC Rath (F296) ← H Yip (HY63). Soil. 22 Mar 1988. Australia: Interlaken, Interlaken, Tasmania.

4596 [DAT 380] AC Rath (F380) ← H Yip (HY240). Soil. 16 Jun 1988. Australia: Smithton, Tasmania.

4599 [DAT 231] AC Rath (F231) ← H Yip (HY130). Soil. 18 Jul 1988. Australia: Leighlands, Perth, Tasmania.

4600 [DAT 470] AC Rath (F470). Larva, *Boreoides tasmaniensis* [Diptera: Stratiomyidae]. 13 Oct 1991. Australia: Huonville, Tasmania.

4602 [DAT 239] AC Rath (F239) ← H Yip (HY122). Soil. 8 Jul 1988. Australia: Preston, Tasmania.

4603 [DAT 359] AC Rath (F359) ← H Yip (HY222). Soil. 26 Oct 1988. Australia: Ormley, Tasmania.

4606 [DAT 339] AC Rath (F339) ← H Yip (HY20). Soil. 5 Jan 1988. Australia: Glen Morey, Woodbury, Tasmania.

4608 [DAT 117] AC Rath (F117). Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.

4609 [DAT 271] AC Rath (F271) ← H Yip (HY89). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.

4613 [DAT 371] AC Rath (F371) ← H Yip (HY231). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania.

4614 [DAT 79] AC Rath (F079). Soil. 24 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.

4617 [DAT 292] AC Rath (F292) ← H Yip (HY68). Soil. 22 Mar 1988. Australia: York Plains, Tasmania.

4618 [DAT 402] AC Rath (F402) ← H Yip (HY262). Soil. 28 Sep 1988. Australia: Ross, Tasmania.

4619 [DAT 255] AC Rath (F255) ← H Yip (HY105). Soil. 8 Jun 1988. Australia: Sorell, Tasmania.

4620 [DAT 469] AC Rath (F469). Larva, *Boreoides tasmaniensis* [Diptera: Stratiomyidae]. 31 Oct 1991. Australia: Franklin, Tasmania.

4623 [DAT 71] AC Rath (F071). Soil. 23 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.

4624 [DAT 260] AC Rath (F260) ← H Yip (HY100). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.

4625 [DAT 93] AC Rath (F093). Soil. 20 Jan 1988. Australia: Glen Morey, Woodbury, Tasmania.

4626 [DAT 394] AC Rath (F394) ← H Yip (HY254). Soil. 22 Jun 1988. Australia: Bridport, Tasmania. Very small spores, looking much like *M. flavoviride*. .

4627 [DAT 110] AC Rath (F110). Soil. 14 Jan 1988. Australia: Glengor Benham, Avoca, Tasmania.

4629 [DAT 164] AC Rath (F164) ← H Yip (HY197). Soil. 13 Oct 1988. Australia: Cambridge, Tasmania.

4630 [DAT 474] AC Rath (F474) ← W Theunis (PNG 2A). *Papuana* or cicada. 22 Jun 1993. Papau New Guinea: Lae, Morobe Province.

4631 [DAT 301] AC Rath (F301) ← H Yip (HY58). *Papuana* or cicada. 29 Feb 1988. Australia: Rosehill, Jericho, Tasmania.

4632 [DAT 313] AC Rath (F313) ← H Yip (HY46). Soil. 18 Feb 1988. Australia: Benham, Avoca, Tasmania.

4633 [DAT 269] AC Rath (F269) ← H Yip (HY91). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.

4634 [DAT 340] AC Rath (F340) ← H Yip (HY19). Soil. 4 Jan 1988. Australia: Glen Morey, Woodbury, Tasmania.

4635 [DAT 233] AC Rath (F233) ← H Yip (HY128). Soil. 11 Aug 1988. Australia: Interlaken, Interlaken, Tasmania.

4636 [DAT 158] AC Rath (F258) ← H Yip (HY203). Soil. 26 Oct 1988. Australia: Railton, Tasmania.

4637 [DAT 262] AC Rath (F262) ← H Yip (HY95). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.

4638 [DAT 295] AC Rath (F29d) ← H Yip (HY65). Soil. 2 Mar 1988. Australia: Interlaken, Interlaken, Tasmania. With short, nearly ovoid, conidia.

4639 [DAT 272] AC Rath (F272) ← H Yip (HY88). Soil. 25 May 1988. Australia: Connerville, Poatina, Tasmania.

4640 [DAT 392] AC Rath (F392) ← H Yip (HY252). Soil. 16 Jun 1988. Australia: Edith Creek, Tasmania.

4641 [DAT 303] AC Rath (F303) ← H Yip (HY56). Soil. 29 Feb 1988. Australia: Avoca, Tasmania.

4643 [DAT 222] AC Rath (F222) ← H Yip (HY139). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.

4645 [DAT 341] AC Rath (F341) ← H Yip (HY18). Soil. 2 Jan 1988. Australia: Lavender Farm, Lilydale, Tasmania.

4646 [DAT 108] AC Rath (F108). Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.

4647 [DAT 270] AC Rath (F270) ← H Yip (HY90). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.

4648 [DAT 450] AC Rath (F450) ← H Yip (HY282). Soil. 10 Jan 1989. Australia: Waddamana, Tasmania.

4649 [DAT 80] AC Rath (F080). Soil. 24 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.

4650 [DAT 264] AC Rath (F264) ← H Yip (HY96). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.

4651 [DAT 240] AC Rath (F240) ← H Yip (HY121). Soil. 8 Jul 1988. Australia: Carrick, Tasmania.

4652 [DAT 458] AC Rath (F458). Host not specified. Rec'd 1 Sep 1994. Australia: Tasmania.

4653 [DAT 116] AC Rath (F116). Soil. Rec'd 1 Sep 1994. Australia: Benham Estate, Avoca, Tasmania.

4654 [DAT 403] AC Rath (F103) ← H Yip (HY263). Soil. 29 Sep 1988. Australia: Avoca, Tasmania.

4655 [DAT 356] AC Rath (F356) ← H Yip (HY225). Soil. 12 Jan 1988. Australia: Bruny Island, Tasmania.

4657 [DAT 266] AC Rath (F266) ← H Yip (HY94). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.

4661 [DAT 220] AC Rath (F220) ← H Yip (HY141). Soil. 23 Mar 1988. Australia: Burnie, Tasmania.

4663 [DAT 396] AC Rath (F396) ← H Yip (HY256). Soil. 22 Jun 1988. Australia: Tonganah, Tasmania.

4664 [DAT 389] AC Rath (F389) ← H Yip (HY249). Soil. 16 Jun 1988. Australia: Wynyard, Tasmania.

4665 [DAT 242] AC Rath (F242) ← H Yip (HY119). Soil. 8 Jul 1988. Australia: Latrobe, Tasmania.

4668 [DAT 378] AC Rath (F378) ← H Yip (HY238). Soil. 22 Jun 1988. Australia: Bridport, Tasmania.

4669 [DAT 372] AC Rath (F372) ← H Yip (HY232). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania.

4671 [DAT 447] AC Rath (F447) ← H Yip (HY279). Soil. 10 Jan 1989. Australia: Bothwell, Tasmania.

4673 [DAT 401] AC Rath (F401) ← H Yip (HY261). Soil. 28 Sep 1988. Australia: Cressy, Tasmania.

4674 [DAT 368] AC Rath (F368) ← H Yip (HY228). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania.

4676 [DAT 390] AC Rath (F390) ← H Yip (HY250). Soil. 23 Jun 1988. Australia: St Helens, Tasmania.

4677 [DAT 433] AC Rath (F433). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. Summer 1990. Australia: Dairy Research Unit, Elliott, Tasmania.

4678 [DAT 98] AC Rath (F098). Soil. 6 Jan 1988. Australia: The Braes, Woodbury, Tasmania.

4681 [DAT 508] AC Rath (F508). Larva, *Wiseana sp.* [Lepidoptera: Hepialidae]. 17 Nov 1993. New Zealand: Waitati, Dunedin, South Island.

4682 [DAT 411] AC Rath (F411) ← H Yip (HY271). Soil. 3 Nov 1988. Australia: Whitefoord, Tasmania.

4683 [DAT 237] AC Rath (F237) ← H Yip (HY124). Soil. 8 Jul 1988. Australia: Sprent, Tasmania.

4684 [DAT 258] AC Rath (F258) ← H Yip (HY102). Soil. 8 Jun 1988. Australia: Sorell, Tasmania.

4687 [DAT 395] AC Rath (F395) ← H Yip (HY255). Soil. 17 Jun 1988. Australia: Burnie, Tasmania.

4716 [DAT 28] AC Rath (F028). *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1987. Australia: Woodbury, Tasmania.

4717 [DAT 74] AC Rath (F074). Soil. 23 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.

4718 [DAT 123] AC Rath (F123). Soil. 1 Mar 1988. Australia: Glen Morey, Woodbury, Tasmania.

4722 [DAT 141] AC Rath (F141). Larva, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. Spring 1989. Australia: Wilmot, Tasmania.

4723 [DAT 159] AC Rath (F159) ← H Yip (HY202). Soil. 26 Oct 1988. Australia: Bracknell, Tasmania.

4724 [DAT 161] AC Rath (F161) ← H Yip (HY200). Soil. 26 Oct 1988. Australia: Campbelltown, Tasmania.

4725 [DAT 162] AC Rath (F162) ← H Yip (HY162). Soil. 13 Oct 1988. Australia: Franklin, Tasmania.

4726 [DAT 181] AC Rath (F181) ← H Yip (HY180). Soil. 26 Sep 1988. Australia: St Mary's, Tasmania.

4731 [DAT 257] AC Rath (F257) ← H Yip (HY103). Soil. 8 Jun 1988. Australia: Sorell, Tasmania.

4732 [DAT 262] AC Rath (F262) ← H Yip (HY99). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.

4733 [DAT 263] AC Rath (F263) ← H Yip (HY97). Soil. 3 Jun 1988. Australia: Leighlands, Perth, Tasmania.

4734 [DAT 267] AC Rath (F267) ← H Yip (HY93). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.

4735 [DAT 268] AC Rath (F268) ← H Yip (HY92). Soil. 3 Jun 1988. Australia: Elverton, Blessington, Tasmania.

4736 [DAT 277] AC Rath (F277) ← H Yip (HY83). Soil. 19 Apr 1988. Australia: Campbelltown, Tasmania.

4737 [DAT 294] AC Rath (F294) ← H Yip (HY66). Soil. 22 Mar 1988. Australia: Interlaken, Interlaken, Tasmania.

4738 [DAT 297] AC Rath (F297) ← H Yip (HY62). Soil. 22 Mar 1988. Australia: Tervue, York Plains, Tasmania.

4740 [DAT 302] AC Rath (F302) ← H Yip (HY57). Soil. 29 Feb 1988. Australia: Rosehill, Jericho, Tasmania.

4743 [DAT 344] AC Rath (F344) ← H Yip (HY15). Soil. 31 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.

4746 [DAT 349] AC Rath (F349) ← H Yip (HY9). Soil. 28 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

4747 [DAT 350] AC Rath (F350) ← H Yip (HY8). Soil. 24 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

4748 [DAT 351] AC Rath (F351) ← H Yip (HY7). Soil. 24 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

4749 [DAT 352] AC Rath (F352) ← H Yip (HY6). Soil. 23 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

4752 [DAT 355] AC Rath (F355) ← H Yip (HY226). Soil. 12 Jun 1988. Australia: Bruny Island, Tasmania.

4753 [DAT 362] AC Rath (F362) ← H Yip (HY219). Soil. 26 Oct 1988. Australia: Sheffield, Tasmania.

4754 [DAT 363] AC Rath (F363) ← H Yip (HY218). Soil. 26 Oct 1988. Australia: Sheffield, Tasmania.

4757 [DAT 374] AC Rath (F374) ← H Yip (HY234). Soil. 30 Sep 1988. Australia: Ben Lomond, Tasmania.

4758 [DAT 377] AC Rath (F377) ← H Yip (HY237). Soil. 22 Jun 1988. Australia: Beaconsfield, Tasmania.

4759 [DAT 388] AC Rath (F388) ← H Yip (HY248). Soil. 23 Jun 1988. Australia: St Mary's, Tasmania.

4760 [DAT 400] AC Rath (F400) ← H Yip (HY260). Soil. 19 Sep 1988. Australia: Cygnet, Tasmania.

4761 [DAT 404] AC Rath (F404) ← H Yip (HY264). Soil. 19 Sep 1988. Australia: Woodbridge, Tasmania.

4762 [DAT 405] AC Rath (F405) ← H Yip (HY265). Soil. 1 Sep 1988. Australia: Colebrook, Tasmania.

4763 [DAT 406] AC Rath (F406) ← H Yip (HY266). Soil. Rec'd 23 Sep 1994. Australia: Interlaken, Tasmania.

4764 [DAT 409] AC Rath (F409) ← H Yip (HY269). Soil. 23 Nov 1988. Australia: Campbelltown, Tasmania.

4766 [DAT 413] AC Rath (F413) ← H Yip (HY273). Soil. 3 Nov 1988. Australia: Whitefoord, Tasmania.

4773 [DAT 477] AC Rath (F477) ← W Theunis (PNG 2B). *Papuana* or cicada. 22 Jun 1993. Papua New Guinea.

4774 [DAT 499] AC Rath (F499). Soil. 22 Jun 1993. Australia: Macquarie Island, Tasmania.

4777 [DAT 507] AC Rath (F507). Larva, *Sericesthis micans* [Coleoptera: Scarabaeidae]. 25 Oct 1993. Australia: Glen Innes, New England, New South Wales.

4778 [DAT 511] AC Rath (F511). Larva, *Sericesthis micans* [Coleoptera: Scarabaeidae]. 11 Feb 1994. Australia: New South Wales.

4779 [DAT 512] AC Rath (F512). 3rd instar larva, *Anoplognathus hirsutus* [Coleoptera: Scarabaeidae]. 24 Feb 1994. Australia: Glen Innes, New England, New South Wales.

4780 [DAT 513] AC Rath (F513). Larva, *Sericesthis nigrolineata* [Coleoptera: Scarabaeidae]. 10 Mar 1994. Australia: Glen Innes, New England, New South Wales.

4819 JD Vandenberg (63). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.

4820 JD Vandenberg (18). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.

4821 JD Vandenberg (29). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.

4822 JD Vandenberg (JP1). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.

4823 JD Vandenberg (21). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.

4824 JD Vandenberg (29-2). Adult, *Otiorhynchus ligustici* [Coleoptera: Curculionidae] on *Medicago sativa* L., alfalfa. 26 Jun 1994. USA: Alfalfa field, Great Bend, New York.

4862 BL Parker (AVRDC-0440B). Soil Eggplant. 6 Oct 1994. Republic of China: Chi-Nan, Taiwan.

4865 BL Parker (AVRDC-0492B). Soil Eggplant. 10 Nov 1994. Republic of China: Chi-Nan, Taiwan.

4901 LA Lacey (95003). [Homoptera]. Rec'd 27 Apr 1995. Location not specified.

4902 LA Lacey (95004). [Homoptera]. Rec'd 27 Apr 1995. Location not specified.

4904 LA Lacey (95006). *Galleria mellonella* [Lepidoptera: Pyralidae] Used as bait. Feb 1995. Portugal: Terceira Island, Azores.

4905 LA Lacey (95007). *Galleria mellonella* [Lepidoptera: Pyralidae] Used as bait. Feb 1995. Portugal: Terceira Island, Azores.

4906 LA Lacey (95008). *Galleria mellonella* [Lepidoptera: Pyralidae] Used as bait. Feb 1995. Portugal: Terceira Island, Azores.

4907 LA Lacey (95009). *Popillia japonica* [Coleoptera: Scarabaeidae]. Dec 1994. Portugal: Terceira Island, Azores.

4908 LA Lacey (95010). *Popillia japonica* [Coleoptera: Scarabaeidae]. Dec 1994. Portugal: Terceira Island, Azores.

4925 LA Lacey (95027). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

4926 LA Lacey (95028). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

4927 LA Lacey (95029). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

4928 LA Lacey (95030). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

4929 LA Lacey (95031). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

4930 LA Lacey (95032). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

5161 DR Sosa-Gómez (CNPSo-Ma12). Soil. 5 Jan 1990. Brazil: Mauá, Paraná.

5369 I Klingen (NCRI 1-96 (01)). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] Soil sample (marine calcareous soil). 16 Sep 1996. Norway: Potato land (63.57° N), Åfjord, Sør Trøndelag.

5469 TJ Poprawski (TJP934). Larva, *Eoreuma loftini* [Lepidoptera: Pyralidae]. Rec'd 9 May 1997. USA: sugarcane field, Weslaco, Texas.

5513 I Klingen (PVF 10.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland. **RESTRICTED ACCESS:** *contact Curator*.

5514 I Klingen (PVF 10.2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.

5515 I Klingen (PVF 4.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.

5516 I Klingen (PVF 6). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.

5517 I Klingen (PVF 9.2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 5 Sep 1996. Norway: Bodø, Nordland.

5518 I Klingen (TØF 22.4). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.

5519 I Klingen (TØF 22.5). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.

5520 I Klingen (TØF 22.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.

5521 I Klingen (TØF 25.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag.

5554 I Klingen (F1C.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Jun 1997. Norway: Finnøy, Rogaland.

5555 I Klingen (F2C.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Jun 1997. Norway: Finnøy, Rogaland.

5556 I Klingen (F3D.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 26 Jun 1997. Norway: Finnøy, Rogaland.

5624 I Vänninen (SF85-60). Larva, *Tribolium castaneum* [Coleoptera: Tenebrionidae] as bait from soil. 18 Jul 1985. Finland: Lapinjärvi, Uudenmaan Lääni.

5628 ST Jaronski (ER1). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.

5715 JM Sung (KEFC-356). Rec'd 11 May 1998.

5716 JM Sung (KEFC-642). Rec'd 11 May 1998.

5717 JM Sung (KEFC-835). Rec'd 11 May 1998.

5746 MCHCA Bernal (MaPL6). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1992. Mexico: Cerro de Ortega, Colima.

5749 MCHCA Bernal (MaPL35). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1992. Mexico: Cerro de Ortega, Colima.

5752 MCHCA Bernal (MaPL41). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1996. Mexico: Parral, Chiapas.

5837 T Steenberg (SSL 14). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from larva of *Agrotis segetum* [Lepidoptera: Noctuidae].

5841 T Steenberg (SSL 32). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from *Anotylus*sp. [Coleoptera: Staphylinidae].

5842 T Steenberg (SSL 50). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from soil.

5848 T Steenberg (SSL 75). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from larvae of an unidentified beetle [Coleoptera].

5850 T Steenberg (SSL 84). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from an unidentified beetle [Coleoptera].

5851 T Steenberg (SSL 248). [Araneida] on *Medicago sativa*. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.

6167 M Filotas. *Malacosoma disstria* [Lepidoptera: Lasiocampidae]. Apr 1998. USA: Tug Hill Plateau, Richland, New York. Host infected in laboratory upon exposure to field collected soil.

6236 [RCEF 0386] [Phasmatodea: Phasmatidae]. 20 Sep 1997. PR China: Anhui.

6237 [RCEF 0389] [Orthoptera]. Rec'd 24 Aug 1999. PR China: Anhui.

6319 Adult, male, *Aeneolamia varia* [Homoptera: Cercopidae]. 25 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.

6321 Adult, male, *Mahanarva sp.* [Homoptera: Cercopidae]. 25 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.

6322 Adult, male, *Mahanarva sp.* [Homoptera: Cercopidae]. 25 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.

6323 Adult, female, *Zulia pubescens* [Homoptera: Cercopidae]. 25 Jun 1998. Colombia: Norglandia Farm, Albania, Caquetá.

6324 Nymph, 16 Feb 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.

6326 5th instar larva, 23 Jan 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.

6342 Adult, *Aeneolamia varia* [Homoptera: Cercopidae]. 12 Feb 1999. Colombia: CIAT Farm, Palmira, Valle.

6343 Nymph, *Aeneolamia varia* [Homoptera: Cercopidae]. 11 May 1999. Colombia: CIAT Farm, Palmira, Valle.

6345 Adult, *Aeneolamia varia* [Homoptera: Cercopidae]. 11 May 1999. Colombia: CIAT Farm, Palmira, Valle.

6346 Adult, *Aeneolamia varia* [Homoptera: Cercopidae]. 11 May 1999. Colombia: CIAT Farm, Palmira, Valle.

6356 4th instar larva, *Zulia colombiana* [Homoptera: Cercopidae]. 22 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6360 Adult, *Tagosodes orizicolus*. Jun 1998. Colombia: CIAT Farm, Palmira, Valle.

6388 TL Dubois (FS 3 # 1 (3)) ← SM Smith ← V D'Amico. Larva, late instar, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on twig. 19 Mar 1999. USA: Laboratory colony, USDA Forest Service, Hamden, Connecticut. Laboratory colony started from host originally obtained from infested maple wood collected in Chicago, Illinois, USA 5 March 1999.

6389 TL Dubois (SS 1 # 2 (1)) ← SM Smith. Larva, early instar, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] from wood of *Acer* sp. 23 Mar 1999. USA: USDA APHIS ANG Base, Otis, Massachusetts. Laboratory colony started from host originally obtained from infested maple wood collected in Chicago, Illinois, USA 5 March 1999.

6414 EA Ouna (Kutui-10). Rec'd 22 Dec 1999.

6415 EA Ouna (Sudan P1 (a)). Rec'd 22 Dec 1999.

6417 EA Ouna (Sudan 4 (a)). Rec'd 22 Dec 1999.

6457 [CIAT 042] D Peck. Adult, *Zulia carbonaria* [Homoptera: Cercopidae]. 13 Jul 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6468 [CIAT 053] D Peck. Adult, female, *Zulia carbonaria* [Homoptera: Cercopidae]. 2 Jun 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6475 I Klingen (HVI.99). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Fall 1999. Norway: Hvittingfoss, Buskerud.

6549 D Chandler (HRI 189.83). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 13 Jul 2000. United Kingdom.

6551 D Chandler (HRI 335.92). Larva, *Agriotes* sp. [Coleoptera: Elateridae]. Rec'd 13 Jul 2000. United Kingdom.

6558 D Chandler (HRI 378.93). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from woodland soil. Rec'd 13 Jul 2000. United Kingdom.

6570 D Chandler (HRI 391.93). *Pemphigus trehernei* [Homoptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom: coastal salt marshes, Norfolk, England.

6670 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Harae, Northern Shoa.

6671 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Shewa Robin, Northern Shoa.

6672 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Kewot, Northern Shoa.

6673 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Dedeaa, Northern Shoa.

6674 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Rufe Kure, Northern Shoa.

6675 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Rober, Northern Shoa.

6677 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Dedeaa, Northern Shoa.

6678 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Gobenaytu, Northern Shoa.

6679 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Sefi Beret, Northern Shoa.

6680 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Shewa Robin, Northern Shoa.

6682 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Rufe Kure, Northern Shoa.

6683 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Awaketu, Northern Shoa.

6684 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Awaketu, Northern Shoa.

6685 *Pachnoda interrupta* [Coleoptera: Scarabaeidae]. Rec'd 17 Jan 2001. Ethiopia: Kewot, Northern Shoa.

6694 Phylum Arthropoda, Class Crustacea. Rec'd 17 Jan 2001. Ethiopia: Alamata, Welo.

6698 From soil. Rec'd 17 Jan 2001. Ethiopia: Arba Minch.

6700 Rec'd 17 Jan 2001. Kenya.

6756 GUL Braga and DW Roberts (DWR 86). 24 Feb 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1545 following UV-B exposure.

6757 GUL Braga and DW Roberts (DWR 88). 24 Feb 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 1545 following UV-B exposure.

6758 GUL Braga and DW Roberts (DWR 90). 24 Feb 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 1545 following UV-B exposure.

6759 GUL Braga and DW Roberts (DWR 91). 14 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1545 following UV-B exposure.

6760 GUL Braga and DW Roberts (DWR 92). 14 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 1545 following UV-B exposure.

6761 GUL Braga and DW Roberts (DWR 137). 30 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1545 following UV-B exposure.

6762 GUL Braga and DW Roberts (DWR 138). 30 Apr 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 1545 following UV-B exposure.

6763 GUL Braga and DW Roberts (DWR 146). 7 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.

6829 GUL Braga and DW Roberts (DWR 45). 24 Jun 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from UNICAMP 38 following UV-B exposure.

6830 GUL Braga and DW Roberts (DWR 46). 22 Jun 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from UNICAMP 38 following UV-B exposure.

6831 GUL Braga and DW Roberts (DWR 47). 9 Jun 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from UNICAMP CLII following UV-B exposure.

6832 GUL Braga and DW Roberts (DWR 48). 12 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 925 following UV-B exposure.

6833 GUL Braga and DW Roberts (DWR 49). 12 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 925 following UV-B exposure.

6834 GUL Braga and DW Roberts (DWR 50). 12 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 925 following UV-B exposure.

6835 GUL Braga and DW Roberts (DWR 51). 1 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Spontaneous color mutant (violet) obtained from ARSEF 1095.

6836 GUL Braga and DW Roberts (DWR 52). 24 Feb 1999. USA: Utah State University, Department of Biology, Logan, Utah. Spontaneous color mutant (violet) obtained from ARSEF 1095.

6837 GUL Braga and DW Roberts (DWR 53). 18 May 1999. USA: Utah State University, Department of Biology , Logan, Utah. Color mutant (violet) obtained from ARSEF 1095 following UV-B exposure.

6838 GUL Braga and DW Roberts (DWR 54). 23 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1095 following UV-B exposure.

6839 GUL Braga and DW Roberts (DWR 55). 23 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1095 following UV-B exposure.

6840 GUL Braga and DW Roberts (DWR 58). 5 Jan 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 1095 following UV-B exposure.

6849 GUL Braga and DW Roberts (DWR 67). 11 Apr 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 23 following UV-B exposure.

6850 GUL Braga and DW Roberts (DWR 71). 23 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.

6860 GUL Braga and DW Roberts (DWR 167). 20 Feb 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.

6861 GUL Braga and DW Roberts (DWR 168). 16 Mar 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellowish green) obtained from ARSEF 23 following UV-B exposure.

6862 GUL Braga and DW Roberts (DWR 170). 19 Feb 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.

6863 GUL Braga and DW Roberts (DWR 171). 29 Dec 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.

6901 I Klingen (NCRI 2/01/Ma). Larva, *Phyllopertha horticola* [Coleoptera: Scarabaeidae] in lawn. 23 May 2001. Norway: Moss, Østfold.

6909 JR Fuxa (G-6170). *Coptotermes formosanus* [Isoptera: Rhinotermitidae] as bait from soil. Jun 1999. USA: New Orleans, Louisiana.

6910 JR Fuxa (G-6292). *Coptotermes formosanus* [Isoptera: Rhinotermitidae] as bait from soil. Jun 1999. USA: Baton Rouge, Louisiana.

6911 JR Fuxa (G-7192). *Coptotermes formosanus* [Isoptera: Rhinotermitidae] as bait from soil. Jul 1999. USA: Lake Charles, Louisiana.

6930 ST Jaronski (TM10). Soil plated on oatmeal dodine agar. 2000. USA: D. Danielson Farm, sugarbeet field, Richland County, Montana.

6958 ST Jaronski (MA1200). Rec'd 11 Jan 2002.

6959 ST Jaronski (MA51A). Rec'd 11 Jan 2002.

6960 ST Jaronski (MA71A). Rec'd 11 Jan 2002.

6989 GUL Braga and DW Roberts (DWR 142). 11 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.

6990 GUL Braga and DW Roberts (DWR 144). 16 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.

6991 GUL Braga and DW Roberts (DWR 145). 11 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 23 following UV-B exposure.

6992 GUL Braga and DW Roberts (DWR 147). 1 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 23 following UV-B exposure.

6993 GUL Braga and DW Roberts (DWR 148). 7 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 23 following UV-B exposure.

6994 GUL Braga and DW Roberts (DWR 069). 26 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Spontaneous color mutant (yellow) obtained from ARSEF 23. Formerly IDed as MAA; changed by RAH, 02/2/2009.

6995 GUL Braga and DW Roberts (DWR 149). 1 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 23 following UV-B exposure.

6996 GUL Braga and DW Roberts (DWR 176). 20 Apr 2001. USA: Utah State University, Department of Biology, Logan, Utah. Revertant (green) obtained from ARSEF 6995 following UV-B exposure.

6997 GUL Braga and DW Roberts (DWR 179). 22 Jun 2001. USA: Utah State University, Department of Biology, Logan, Utah. Revertant (green) obtained from ARSEF 6993 following UV-B exposure.

6998 GUL Braga and DW Roberts (DWR 180). 22 Jun 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (white) obtained from ARSEF 6995 following UV-B exposure.

6999 GUL Braga and DW Roberts (DWR 181). 22 Jun 2001. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (white) obtained from ARSEF 6995 following UV-B exposure.

7000 LA Lacey (YARL 020128-1). Adult, *Limonius canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.

7001 LA Lacey (YARL 020128-2). Adult, *Limonius canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.

7002 LA Lacey (YARL 020128-3). Adult, *Limonius canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.

7003 LA Lacey (YARL 020128-4). Adult, *Limonius canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.

7004 LA Lacey (YARL 011219-7). *Limonius canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.

7005 LA Lacey (YARL 011219-9). *Limonius canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.

7006 LA Lacey (YARL 011219-10). *Limonius canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.

7007 LA Lacey (YARL 011219-11). *Limonius canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.

7008 LA Lacey (YARL 011219-14). *Limonius canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.

7009 LA Lacey (YARL 011219-15). *Limonius canus* [Coleoptera: Elateridae] reared in laboratory. Fall 2001. USA: Yakima Agricultural Research Laboratory, Wapato, Washington.

7014 I Klingen (NCRI 08/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.

7015 I Klingen (NCRI 09/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.

7016 I Klingen (NCRI 12/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.

7017 I Klingen (NCRI 14/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.

7018 I Klingen (NCRI 17/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.

7019 I Klingen (NCRI 19/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.

7020 I Klingen (NCRI 20/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.

7021 [I Klingen NCRI 21/02] *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.

7022 I Klingen (NCRI 26/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.

7023 I Klingen (NCRI 32/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.

7024 I Klingen (NCRI 40/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.

7025 I Klingen (NCRI 51/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.

7026 I Klingen (NCRI 52/02). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: apple orchard, Balestrand, Sogn og Fjordane.

7059 E Groden (Ant 3 / Bio 1). *Myrmica rubra* [Hymenoptera: Formicidae]. 13 Aug 2002. USA: Otter Creek, north end of Otter Cove, Mt. Desert Island, Maine.

7180 H Liu (MSUFS-500). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 5 Feb 2002. USA: Ravenswood, Chicago, Illinois.

7411 [CSIRO FI-0151] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.

7451 [CSIRO FI-0993] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 28 Apr 1993. Australia: Larsen, Kingaroy, Queensland.

7452 [CSIRO FI-1041] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 5 Mar 1994. Australia: Tully, Queensland.

7474 [CEP 076] C López Lastra. [Homoptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 24 Feb 2004. Argentina: Los Hornos, Buenos Aires.

7475 [CEP 078] C López Lastra. [Homoptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 3 May 2004. Argentina: San Antonio de Areco, Buenos Aires.

7476 [CEP 086] C López Lastra. [Homoptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 7 Apr 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.

7485 [CSIRO FI-0726] From soil sample S31. 6 Dec 1990. Burma.

7489 [CSIRO FI-1095] ARSEF (441). *Teleogryllus commodus* [Orthoptera: Gryllidae]. 11 Mar 1980. Australia: Warnambool, Victoria.

7490 [CSIRO FI-1096] ARSEF (442). *Teleogryllus commodus* [Orthoptera: Gryllidae]. 11 Mar 1980. Australia: Hawkesdale, Victoria.

7492 [CSIRO FI-1350] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 2 Jun 1999. Laboratory experiment.

7494 [CSIRO FI-1363] CBS (316.51). *Agriotes* sp. [Coleoptera: Elateridae]. 23 Aug 1999. USA: Forest Grove, Oregon.

7496 [CSIRO FI-1402] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 13 Apr 2000. Australia: Bundaberg, Queensland.

7498 [CSIRO FI-1410] *Agrianome spinicollis* [Coleoptera: Cerambycidae]. 26 Apr 2000. Australia: Moree, New South Wales.

7499 [CSIRO FI-1412] *Agrianome spinicollis* [Coleoptera: Cerambycidae]. 12 May 2000. Australia: Moree, New South Wales.

7500 [CSIRO FI-1414] *Agrianome spinicollis* [Coleoptera: Cerambycidae]. 1 Jun 2000. Australia: Moree, New South Wales.

7503 [CSIRO FI-1418] AMMRL 154.04. 5 Jun 2000. Australia: Royal North Shore Hospital, St. Leonards, New South Wales.

7504 [CSIRO FI-1425] *Lepidiota noxia* [Coleoptera: Scarabaeidae]. 18 Aug 2000. Australia: Bundaberg, Queensland.

7506 [CSIRO FI-1451] *Mastotermes* sp. [Isoptera: Mastotermitidae]. 13 Jul 2002.

7524 S Keller (714). Larva, *Agriotes* sp. [Coleoptera: Elateridae]. 28 Aug 2001. Switzerland: Jenaz, Graubünden.

7527 S Keller (800). Larva, [Coleoptera: Scarabaeidae]. 31 May 2002. Nepal: Parbat District.

7529 S Keller (885). Larva, [Coleoptera: Scarabaeidae]. Winter 2003. Nepal: Pang, Parbat District.

7532 S Keller (500). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 16 Jan 1995. Switzerland: Uri.

7535 E Groden (Plate #3). *Myrmica rubra* [Hymenoptera: Formicidae]. 12 Aug 2003. United Kingdom: Kimmeridge, Dorset, England. 50.37.11 N, 022.06.59 W, 133 m elevation.

7536 E Groden (Plate #4). *Myrmica scabrinodis* [Hymenoptera: Formicidae]. 16 Aug 2003. United Kingdom: Lynmouth, Devon, England. 51.12.15 N, 03.37.55 W, 230 m elevation.

7537 E Groden (Plate #5). *Myrmica rubra* [Hymenoptera: Formicidae]. 26 Aug 2003. United Kingdom: Rescombe, Dorset, England. 50.35.54 N, 02.03.05 W, 110 m elevation.

7538 E Groden (Plate #6). *Myrmica rubra* [Hymenoptera: Formicidae]. 22 Aug 2003. United Kingdom: Exeter, Devon, England. 50.44.10 N, 03.33.00 W, 22 m elevation.

7569 I Klingen (NCRI 53/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: field margin of organic apple orchard, Balestrand, Sogn og Fjordane.

7570 I Klingen (NCRI 211/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.

7571 I Klingen (NCRI 240/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.

7572 I Klingen (NCRI 241/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard , Balestrand, Sogn og Fjordane.

7573 I Klingen (NCRI 221/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.

7612 H Cortez Madrigal (MaA1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] baiting in *Saccharum officinarum* L., sugar cane crop. Rec'd 14 Mar 2005. Mexico: Cárdenas, Tabasco.

7613 H Cortez Madrigal (MaA2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] baiting in *Saccharum officinarum* L., sugar cane crop. Rec'd 14 Mar 2005. Mexico: Cárdenas, Tabasco.

7614 H Cortez Madrigal (MaA3). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] baiting in *Saccharum officinarum* L., sugar cane crop. Rec'd 14 Mar 2005. Mexico: Cárdenas, Tabasco.

7615 H Cortez Madrigal (MaA4). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] baiting in *Saccharum officinarum* L., sugar cane crop. Rec'd 14 Mar 2005. Mexico: Cárdenas, Tabasco.

7644 [SRCAM F-60] V Likhovidov (B-217) ← BA Borisov. Rec'd 14 Mar 2005.

7814 [CSIRO FI-0014] *Sericesthis nigrolineata* [Coleoptera: Scarabaeidae]. 16 Oct 1979. Australia: Anderson, Guyra, New South Wales.

7815 [CSIRO FI-0038] *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1 Jun 1981. Australia: Ballarat, Victoria.

7816 [CSIRO FI-0083] *Lepidiota squamulata* [Coleoptera: Scarabaeidae]. 5 Aug 1985. Australia: Mackay, Queensland.

7817 [CSIRO FI-0086] Isolated from soil sample. 27 Feb 1985. Australia: Cairns, Queensland.

7818 [CSIRO FI-0092] Isolated from soil sample. 11 Dec 1984. Australia: Mackay, Queensland.

7819 [CSIRO FI-0111] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 30 Oct 1985. Australia: The Hummock, Bundaberg, Queensland.

7820 [CSIRO FI-0120] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 17 Dec 1985. Australia: Ebor, New South Wales.

7821 [CSIRO FI-0121] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 17 Dec 1985. Australia: Ebor, New South Wales.

7822 [CSIRO FI-0122] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 17 Dec 1985. Australia: Ebor, New South Wales.

7823 [CSIRO FI-0123] *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 17 Dec 1985. Australia: Ebor, New South Wales.

7824 [CSIRO FI-0126] *Lepidiota gibbifrons* [Coleoptera: Scarabaeidae]. Jan 1986. Australia: Yeppoon, Queensland.

7825 [CSIRO FI-0143] *Lepidiota gibbifrons* [Coleoptera: Scarabaeidae]. 2 Apr 1986. Australia: Yeppoon, Queensland.

7826 [CSIRO FI-0144] *Lepidiota gibbifrons* [Coleoptera: Scarabaeidae]. 2 Apr 1986. Australia: Yeppoon, Queensland.

7827 [CSIRO FI-0148] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.

7828 [CSIRO FI-0150] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.

7829 [CSIRO FI-0154] *Lepidiota frenchi* [Coleoptera: Scarabaeidae]. 28 Jul 1986. Australia: Gordonvale, Queensland.

7830 [CSIRO FI-0157] *Lepidiota frenchi* [Coleoptera: Scarabaeidae]. 28 Jul 1986. Australia: Gordonvale, Queensland.

7831 [CSIRO FI-0160] *Lepidiota frenchi* [Coleoptera: Scarabaeidae]. 28 Jul 1986. Australia: Gordonvale, Queensland.

7832 [CSIRO FI-0165] *Lepidiota negatoria* [Coleoptera: Scarabaeidae]. 26 Nov 1986. Australia: Maryborough, Queensland.

7833 [CSIRO FI-0177] Isolated from soil sample. 22 Jan 1987. Australia: Bundaberg field site, Bundaberg, Queensland.

7834 [CSIRO FI-0179] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.

7835 [CSIRO FI-0181] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.

7836 [CSIRO FI-0182] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.

7837 [CSIRO FI-0188] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.

7838 [CSIRO FI-0189] Isolated from soil sample. 22 Jan 1987. Australia: Cairns field trial, Cairns, Queensland.

7839 [CSIRO FI-0191] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 5 Feb 1987. Australia: Maryborough, Queensland.

7840 [CSIRO FI-0196] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.

7841 [CSIRO FI-0197] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.

7842 [CSIRO FI-0205] *Antitrogus mussoni* [Coleoptera: Scarabaeidae]. 23 Mar 1987. Australia: Yandaren, Bundaberg, Queensland.

7843 [CSIRO FI-0912] *Heteronyx* sp. [Coleoptera: Scarabaeidae]. 23 Jun 1992. Australia: Queensland.

7844 [CSIRO FI-0913] *Heteronyx* sp. [Coleoptera: Scarabaeidae]. 23 Jun 1992. Australia: Queensland.

7845 [CSIRO FI-0024] *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 2 Jan 1981. Australia: South Australia.

7846 [CSIRO FI-0149] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.

7847 DEN Rangel and DW Roberts (DWR 200). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Mar 2005. USA: Soil sample #13, Snowflake, Arizona. 34.42.924 N, 110.01.860 W, 5280 ft elevation.

7854 [CSIRO FI-0190] Adult, *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 5 Feb 1987. Australia: Maryborough, Queensland.

7855 [CSIRO FI-0193] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.

7856 [CSIRO FI-0194] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.

7857 [CSIRO FI-0195] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.

7858 [CSIRO FI-0199] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.

7859 [CSIRO FI-0200] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.

7860 [CSIRO FI-201] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.

7861 [CSIRO FI-0202] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Tirroan via Gin Gin, Queensland.

7862 [CSIRO FI-0209] *Phaulacridium vittatum* [Orthoptera: Acrididae]. Spring 1987. Australia: Gininderra Experiment Station, Gininderra, New South Wales.

7863 [CSIRO FI-0211] *Sericesthis nigrolineata* [Coleoptera: Scarabaeidae]. 22 May 1987. Australia: Canberra, Australian Capital Territory.

7864 [CSIRO FI-0214] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 22 May 1987. Australia: Childers, Queensland.

7865 [CSIRO FI-0218] *Antitrogus mussoni* [Coleoptera: Scarabaeidae]. 10 Jun 1987. Australia: Calavos, Bundaberg, Queensland.

7866 [CSIRO FI-0220] Rec'd 16 Sep 2005. Expt S131. Hybrid of FI-0114 and FI-0153.

7867 [CSIRO FI-0221] Isolated from soil sample. 14 Jul 1987. Australia: Tegege, Queensland.

7868 [CSIRO FI-0223] Isolated from soil sample. 14 Jul 1987. Australia: Tegege, Queensland.

7869 [CSIRO FI-0266] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.

7870 [CSIRO FI-0267] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.

7871 [CSIRO FI-0268] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.

7872 [CSIRO FI-0269] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.

7873 [CSIRO FI-0270] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.

7874 [CSIRO FI-0274] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.

7875 [CSIRO FI-0275] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.

7876 [CSIRO FI-0276] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.

7879 [CSIRO FI-0273] Isolated from soil sample. 29 Aug 1988. Australia: Pemberton, Western Australia.

7880 [CSIRO FI-0280] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.

7881 [CSIRO FI-0282] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.

7882 [CSIRO FI-0283] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.

7883 [CSIRO FI-0284] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.

7884 [CSIRO FI-0287] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.

7885 [CSIRO FI-0289] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.

7886 [CSIRO FI-0290] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.

7887 [CSIRO FI-0291] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.

7888 [CSIRO FI-0292] Isolated from soil sample. 13 Oct 1988. Australia: Busselton, Western Australia.

7892 [CSIRO FI-0298] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.

7893 [CSIRO FI-0299] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.

7894 [CSIRO FI-0300] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.

7895 [CSIRO FI-0301] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.

7896 [CSIRO FI-0302] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.

7897 [CSIRO FI-0303] Isolated from soil sample. Dec 1988. Australia: J. C. Peoples, Finch Hatton, Queensland.

7898 [CSIRO FI-0304] Isolated from soil sample. Dec 1988. Australia: Finch Hatton Gorge, Langdon, Queensland.

7899 [CSIRO FI-0305] Isolated from soil sample. Dec 1988. Australia: Finch Hatton Gorge, Langdon, Queensland.

7900 [CSIRO FI-0307] Isolated from soil sample. Dec 1988. Australia: Vassallo, Brightly, Queensland.

7901 [CSIRO FI-0308] Isolated from soil sample. Dec 1988. Australia: Finch Hatton Gorge, Langdon, Queensland.

7902 [CSIRO FI-0309] Isolated from soil sample. Dec 1988. Australia: Finch Hatton Gorge, Langdon, Queensland.

7903 [CSIRO FI-0310] Isolated from soil sample. Dec 1988. Australia: Bassey, Mount Martin , Queensland.

7904 [CSIRO FI-0311] Isolated from soil sample. Dec 1988. Australia: Bassey, Mount Martin , Queensland.

7905 [CSIRO FI-0312] Isolated from soil sample. Dec 1988. Australia: Vassallo, Brightly, Queensland.

7906 [CSIRO FI-0313] Isolated from soil sample. Dec 1988. Australia: Vassallo, Brightly, Queensland.

7907 [CSIRO FI-0314] Isolated from soil sample. Dec 1988. Australia: Highams Bridge, Finch Hatton, Queensland.

7908 [CSIRO FI-0315] Isolated from soil sample. Dec 1988. Australia: Highams Bridge, Finch Hatton, Queensland.

7909 [CSIRO FI-0316] Isolated from soil sample. Dec 1988. Australia: Sybil Creek, Finch Hatton, Queensland.

7910 [CSIRO FI-0317] Isolated from soil sample. Dec 1988. Australia: Sybil Creek, Finch Hatton, Queensland.

7911 [CSIRO FI-0318] Isolated from soil sample. Dec 1988. Australia: Sybil Creek, Finch Hatton, Queensland.

7912 [CSIRO FI-0319] Isolated from soil sample. Dec 1988. Australia: Sybil Creek, Finch Hatton, Queensland.

7913 [CSIRO FI-0321] Isolated from soil sample. Dec 1988. Australia: Vigiante, Devereux Creek, Queensland.

7914 [CSIRO FI-0324] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Jan 1989. Australia: Sommerfield, Queensland.

7915 [CSIRO FI-0326] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. 17 Jan 1989. Australia: Sommerfield, Queensland.

7916 [CSIRO FI-0332] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.

7917 [CSIRO FI-0333] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.

7918 [CSIRO FI-0334] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.

7919 [CSIRO FI-0335] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.

7920 [CSIRO FI-0336] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.

7921 [CSIRO FI-0349] Rec'd 16 Sep 2005.

7925 [CSIRO FI-0351] Rec'd 16 Sep 2005.

7926 [CSIRO FI-0355] DG Holdom (030189-1). Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Walkers Point, Queensland.

7927 [CSIRO FI-0373] *Cryptotermes brevis* [Isoptera: Kalotermitidae]. 10 Mar 1989. BM cultures.

7928 [CSIRO FI-0374] *Cryptotermes brevis* [Isoptera: Kalotermitidae]. 10 Mar 1989. BM cultures.

7930 [CSIRO FI-0376] *Cryptotermes brevis* [Isoptera: Kalotermitidae]. 10 Mar 1989. BM cultures.

7931 [CSIRO FI-0377] *Antitrogus mussoni* [Coleoptera: Scarabaeidae]. 10 Mar 1989. Australia: Maidements, Bundaberg, Queensland.

7932 [CSIRO FI-0378] Adult, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.

7933 [CSIRO FI-0380] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.

7934 [CSIRO FI-0381] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.

7935 [CSIRO FI-0382] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.

7936 [CSIRO FI-0383] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 28 Mar 1989. Australia: Busselton, Western Australia.

7967 LA Lacey (14B). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil sample. 4 Oct 2005. USA: Site 3 (Green), CRP soil 19-21, Alaska.

8014 BC King (41). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AB027383 (100%) LSU. **RESTRICTED ACCESS:** *consult Curator*.

8015 MS Wright (C 4B). Alate, *Coptotermes formosanus* [Isoptera: Rhinotermitidae]. Rec'd 10 Apr 2006. USA: New Orleans, Louisiana. Subject of US Patent No. 7790151.

8059 [CSIRO FI-0558] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 12 Jan 1990. Australia: Cotter, Australian Capital Territory.

8060 [CSIRO FI-0562] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 10 Jan 1990. Australia: Conopaira State Forest, New South Wales.

8061 [CSIRO FI-0563] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 10 Jan 1990. Australia: Conopaira State Forest, New South Wales.

8062 [CSIRO FI-0565] *Drepanotermes perniger* [Isoptera: Termitidae] from rubbish gallery. 22 Jan 1990. Australia: Beelbangera, New South Wales.

8063 [CSIRO FI-0567] *Coptotermes* sp. [Isoptera: Rhinotermitidae] from mudgut. 21 Feb 1990. Australia: sawmill, Batemans Bay, New South Wales.

8064 [CSIRO FI-0568] *Coptotermes acinaciformis* [Isoptera: Rhinotermitidae] from wood block. 21 Feb 1990. Australia: sawmill, Batemans Bay, New South Wales.

8067 [CSIRO FI-0572] *Coptotermes frenchi* [Isoptera: Rhinotermitidae] from tree stump. 5 Mar 1990. Australia: Binya State Forest, Yenda, New South Wales.

8068 [CSIRO FI-0573] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 7 Mar 1990. Australia: Binya State Forest, Yenda, New South Wales.

8069 [CSIRO FI-0574] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 13 Mar 1990. Australia: 16 km north of Goulburn, Goulburn, New South Wales.

8070 [CSIRO FI-0577] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 19 Mar 1990. Australia: 3 km north of Michelago, Michelago, New South Wales.

8071 [CSIRO FI-0581] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 20 Mar 1990. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8072 [CSIRO FI-0582] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 20 Mar 1990. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8073 [CSIRO FI-0583] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 20 Mar 1990. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8074 [CSIRO FI-0584] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 20 Mar 1990. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8075 [CSIRO FI-0585] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.

8080 [CSIRO FI-0586] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.

8081 [CSIRO FI-0587] *Coptotermes acinaciformis* [Isoptera: Rhinotermitidae] from nest?. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.

8082 [CSIRO FI-0589] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.

8083 [CSIRO FI-0590] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.

8084 [CSIRO FI-0591] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.

8085 [CSIRO FI-0592] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.

8086 [CSIRO FI-0593] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 16 Mar 1990. Australia: South Head, Moruya, New South Wales.

8087 [CSIRO FI-0594] *Coptotermes acinaciformis* [Isoptera: Rhinotermitidae] from nest?. 16 Mar 1990. Australia: Runnyford Bridge, South Coast, New South Wales.

8088 [CSIRO FI-0595] *Coptotermes acinaciformis* [Isoptera: Rhinotermitidae] from nest?. 16 Mar 1990. Australia: Runnyford Bridge, South Coast, New South Wales.

8089 [CSIRO FI-0596] *Coptotermes* sp. [Isoptera: Rhinotermitidae] from mudgut?. Mar 1990. Australia: Bermagui Mill, New South Wales.

8090 [CSIRO FI-0597] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. Mar 1990. Australia: Beauty Point, North Bermagui, New South Wales.

8091 [CSIRO FI-0598] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. Mar 1990. Australia: Beauty Point, North Bermagui, New South Wales.

8092 [CSIRO FI-0599] *Coptotermes* sp. [Isoptera: Rhinotermitidae] from mudgut. 14 Mar 1990. Australia: Ulladulla Mill, New South Wales.

8093 [CSIRO FI-0600] *Coptotermes* sp. [Isoptera: Rhinotermitidae] from mudgut?. 13 Mar 1990. Australia: Nowra Mill, New South Wales.

8094 [CSIRO FI-0601] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 14 Mar 1990. Australia: 2 km W Princes Highway near Sussex Inlet, South Coast, New South Wales.

8095 [CSIRO FI-0602] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 14 Mar 1990. Australia: 2 km W Princes Highway near Sussex Inlet, South Coast, New South Wales.

8096 [CSIRO FI-0654] from feeding site8 Apr 1990. Australia: 5 km south, Old Bonalbo, New South Wales.

8097 [CSIRO FI-0655] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound material. 5 Apr 1990. Australia: 15 km west, Inverell, New South Wales.

8098 [CSIRO FI-0658] [Coleoptera: Curculionidae]. 29 May 1990. CSIRO, Nematodes Laboratory.

8099 [CSIRO FI-0659] [Coleoptera: Curculionidae]. 29 May 1990. CSIRO, Nematodes Laboratory.

8100 [CSIRO FI-0661] *Nasutitermes exitiosus* [Isoptera: Termitidae]. 13 Jul 1990. Australia: Pearce RAAF Base, Bullsbrook, Western Australia.

8101 [CSIRO FI-0662] 13 Jul 1990. Australia: Pearce RAAF Base, Bullsbrook, Western Australia.

8102 [CSIRO FI-0664] 13 Jul 1990. Australia: Paynes Find, Western Australia.

8103 [CSIRO FI-0666] 16 Jul 1990.

8104 [CSIRO FI-0667] 16 Jul 1990.

8105 16 Jul 1990.

8106 16 Jul 1990.

8107 Acc'd Sep 2006.

8108 Acc'd Sep 2006.

8109 Acc'd Sep 2006.

8196 LA Castrillo (MI-17). Isolated from soil sample, base of tree #1. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.

8197 LA Castrillo (MI-18). Isolated from soil sample, base of tree #13. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.

8198 LA Castrillo (MI-19). Isolated from soil sample, base of tree #63. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.

8199 LA Castrillo (MI-20). Isolated from soil sample, base of tree #52. 13 Jun 2006. USA: Gee Farms Nursery, Jackson County, Michigan.

8212 S Entz (20W-5). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. May 2004. Canada: fallow wheat field 30 km east of Milk River, Alberta.

8215 [CSIRO FI-0710] Isolated from soil sample S5. 23 Nov 1990. Burma.

8216 [CSIRO FI-0711] Isolated from soil sample S5. 23 Nov 1990. Burma.

8217 [CSIRO FI-0713] Isolated from soil sample S21. 6 Dec 1990. Burma.

8218 [CSIRO FI-0714] Isolated from soil sample S15. 6 Dec 1990. Burma.

8219 [CSIRO FI-0715] Isolated from soil sample S28. 6 Dec 2006. Burma.

8220 [CSIRO FI-0716] Isolated from soil sample S14. 6 Dec 1990. Burma.

8221 [CSIRO FI-0717] Isolated from soil sample KAN PYA. 6 Dec 1990. Burma.

8222 [CSIRO FI-0718] Isolated from soil sample S21. 6 Dec 1990. Burma.

8223 [CSIRO FI-0719] Isolated from soil sample S21. 6 Dec 1990. Burma.

8224 [CSIRO FI-0720] Isolated from soil sample S21. 6 Dec 1990. Burma.

8225 [CSIRO FI-0721] Isolated from soil sample S25. 6 Dec 1990. Burma.

8226 [CSIRO FI-0722] Isolated from soil sample S21. 6 Dec 1990. Burma.

8227 [CSIRO FI-0727] Isolated from soil sample S31. 6 Dec 1990. Burma.

8228 [CSIRO FI-0728] Isolated from soil sample S31. 6 Dec 1990. Burma.

8229 [CSIRO FI-0729] *Nasutitermes exitiosus* [Isoptera: Termitidae] from mound A (A1). 9 Jan 1991. Australia: Manar Creek, Braidwood, New South Wales.

8230 [CSIRO FI-0730] *Nasutitermes exitiosus* [Isoptera: Termitidae] from soil around mound A (A14). 9 Jan 1991. Australia: Manar Creek, Braidwood, New South Wales.

8231 [CSIRO FI-739] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil aound mound F (F19). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8232 [CSIRO FI-0744] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound F (F13). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8233 [CSIRO FI-0749] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound G (G3). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8234 [CSIRO FI-750] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8235 [CSIRO FI-0756] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G 18). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8236 [CSIRO FI-765] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8248 LA Castrillo (SFMa1) ← M Filotas. Pupa, *Scatella tenuicosta* [Diptera: Ephydridae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.

8249 LA Castrillo (SFMa2) ← M Filotas. Pupa, *Scatella tenuicosta* [Diptera: Ephydridae]. 2003. USA: Cornell University, greenhouse, Ithaca, New York.

8270 RJ Pereault (masi#1). Isolated from soil sample. Jul 2006. USA: Northport, Michigan.

8319 N Hudson (GmMa1). Rec'd 21 Dec 2006. **RESTRICTED ACCESS:** *consult Curator*.

8323 AC Churchill (MaNPS1 Ect A-18). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.

8324 AC Churchill (MaNPS1 KO B1-3). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.

8325 AC Churchill (MaNPS1 KO 8-18). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.

8326 AC Churchill (MaNPS1 KO 37-2). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.

8327 AC Churchill (MaNPS1 KO 43-1). 6 Apr 2004. USA: Boyce Thompson Institute for Plant Research, Ithaca, New York.

8334 Z Demirbag (KTU-2). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Ardesen, Rize.

8335 Z Demirbag (KTU-3). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Derepazari, Rize.

8336 Z Demirbag (KTU-4). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Derepazari, Rize.

8338 Z Demirbag (KTU-6). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Jul 2006. Turkey: Derepazari, Rize.

8341 Z Demirbag (KTU-9). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Terme, Samsun.

8342 Z Demirbag (KTU-10). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Ordu.

8344 Z Demirbag (KTU-12). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Persembe, Ordu.

8346 Z Demirbag (KTU-14). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Aug 2006. Turkey: Çambunu, Sürmene, Trabzon.

8347 Z Demirbag (KTU-15). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Borçka, Artvin.

8350 Z Demirbag (KTU-18). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Murgul, Artvin.

8351 Z Demirbag (KTU-19). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Murgul, Artvin.

8352 Z Demirbag (KTU-20). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Camili, Artvin.

8353 Z Demirbag (KTU-21). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 16 Sep 2006. Turkey: Borçka, Artvin.

8357 DEN Rangel and DW Roberts (DWR 313). 3 Jun 2006. USA: Coconino National Forest, Oak Creek Canyon, Coconino County, Arizona. 34.57.271 N, 111.45.480 W, 5037 ft elevation.

8358 DEN Rangel and DW Roberts (DWR 338). 28 May 2006. USA: Hwy 89A, Jacob Lake, Arizona. 36.43.555 N, 112.07.522 W, 6942 ft elevation.

8362 DEN Rangel and DW Roberts (DWR 217). Rec'd 20 Feb 2007.

8363 DEN Rangel and DW Roberts (DWR 200). 13 Mar 2005. USA: Snowflake, Arizona. 34.42.924 N, 110.01.860 W, 5280 ft elevation.

8364 DEN Rangel and DW Roberts (DWR 203). 13 Mar 2005. USA: Winslow, Arizona. 35.03.225 N, 110.35.388 W, 5068 ft elevation.

8365 DEN Rangel and DW Roberts (DWR 261). 6 Aug 2006. USA: Talkeetna, Alaska. 61.26.728 N, 149.22.150 W, 232 ft elevation.

8366 DEN Rangel and DW Roberts (DWR 312). 2004. USA: Green Canyon, Logan, Utah.

8367 DEN Rangel and DW Roberts (DWR 346). 28 May 2006. USA: Snowflake, Arizona. 34.41.222 N, 110.06.199 W, 5572 ft elevation.

8375 [CEP 003; LPSC 904] AV Toledo. Soil of *Sorghum bicolor* (L.) Moench, sorghum crop. 13 Jul 2003. Argentina: Los Hornos, Buenos Aires.

8376 [CEP 160; LPSC 908] AV Toledo. Adult, [Homoptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 6 Oct 2004. Argentina: Esteros del Iberá, Corrientes.

8377 [CEP 178; LPSC 909] AV Toledo. Adult, *Kanaima fluvialis* [Homoptera: Cercopidae] on *Eryngium* sp. (Apiaceae). Nov 2004. Argentina: Bella Vista, Corrientes.

8432 Z Demirbag (KTU-26). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Kalkandere, Rize.

8433 Z Demirbag (KTU-27). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Ikizdere, Rize.

8434 Z Demirbag (KTU-28). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Ikizdere, Rize.

8435 Z Demirbag (KTU-29). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Güneysu, Rize.

8436 Z Demirbag (KTU-30). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Çaykara, Trabzon.

8437 Z Demirbag (KTU-31). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.

8438 Z Demirbag (KTU-32). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Bolaman, Ordu.

8440 Z Demirbag (KTU-34). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 22 Jul 2006. Turkey: Fatsa, Ordu.

8443 Z Demirbag (KTU-37). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Mar 2007. Turkey: Görele, Giresun.

8445 Z Demirbag (KTU-39). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Mar 2007. Turkey: Ulubey, Ordu.

8446 Z Demirbag (KTU-40). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Akçaabat, Trabzon.

8447 Z Demirbag (KTU-41). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Kalkandere, Rize.

8450 Z Demirbag (KTU-44). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Of, Trabzon.

8451 Z Demirbag (KTU-45). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Of, Trabzon.

8452 Z Demirbag (KTU-46). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Güneysu, Rize.

8453 Z Demirbag (KTU-47). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Salarha, Rize.

8454 Z Demirbag (KTU-48). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Of, Trabzon.

8492 [CSIRO FI-0012] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 16 Oct 1979. Australia: McKemeys, Guyra, New South Wales.

8495 [CSIRO FI-0019] Pupa, *Rhopaea verreauxii* [Coleoptera: Scarabaeidae]. 13 Feb 1980. Australia: Dorrigo, New South Wales.

8496 [CSIRO FI-0320] Isolated from soil sample. Dec 1988. Australia: Vigiante, Devereux Creek, Queensland.

8497 [CSIRO FI-0337] Larva, *Inopus rubriceps* [Diptera: Stratiomyidae]. Winter 1989. Australia: Fairymead, Queensland.

8498 [CSIRO FI-0390] [Homoptera: Cercopidae]. 29 Mar 1989. Brazil.

8499 [CSIRO FI-0396] *Phyllophaga anxia* [Coleoptera: Scarabaeidae]. 29 Mar 1989. Canada: Southern Québec.

8500 [CSIRO FI-0522] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 27 Jun 1989. Australia: Kingaroy, Queensland.

8501 [CSIRO FI-0529] *Lepidiota picticollis* [Coleoptera: Scarabaeidae]. 28 Jul 1989. Laboratory experiment.

8502 [CSIRO FI-0560] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound material. 12 Jan 1990. Australia: Cotter, Australian Capital Territory.

8503 [CSIRO FI-0741] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound F (F14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8504 [CSIRO FI-0751] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8505 [CSIRO FI-0752] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8506 [CSIRO FI-0753] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G20). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8507 [CSIRO FI-0754] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G20). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8508 [CSIRO FI-0757] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G17). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8509 [CSIRO FI-0759] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G13). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8510 [CSIRO FI-0762] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G15). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8511 [CSIRO FI-0763] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8512 [CSIRO FI-0767] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G12). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8513 [CSIRO FI-0772] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound G (G9). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8514 [CSIRO FI-0773] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G19). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8515 [CSIRO FI-0774] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound I (I14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8516 [CSIRO FI-0778] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I2). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8517 [CSIRO FI-0779] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound J (J14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8518 [CSIRO FI-0780] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound I (I11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8527 [CEP 122] AV Toledo. Adult, [Homoptera: Cercopidae] on *Eryngium* sp. (Apiaceae). 18 May 2004. Argentina: La Plata, Buenos Aires.

8531 [CSIRO FI-0781] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound H (H11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8532 [CSIRO FI-0782] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound H (H18). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8533 [CSIRO FI-0784] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound H (H14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8534 [CSIRO FI-0786] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound J (J14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8535 [CSIRO FI-0790] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound G (G12). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8536 [CSIRO FI-0791] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound I (I12). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8537 [CSIRO FI-0792] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound I (I14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8538 [CSIRO FI-0794] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8539 [CSIRO FI-0795] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8540 [CSIRO FI-0796] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8541 [CSIRO FI-0797] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8542 [CSIRO FI-0799] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound J (J14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8543 [CSIRO FI-0804] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.

8544 [CSIRO FI-0805] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.

8545 [CSIRO FI-0806] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.

8546 [CSIRO FI-0807] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.

8547 [CSIRO FI-0808] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.

8548 [CSIRO FI-0809] [Coleoptera: Elateridae]. 19 Feb 1991. Australia: Melbourne, Victoria.

8549 [CSIRO FI-0810] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.

8550 [CSIRO FI-0811] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.

8551 [CSIRO FI-0812] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.

8552 [CSIRO FI-0814] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.

8553 [CSIRO FI-0815] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.

8554 [CSIRO FI-0816] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.

8555 [CSIRO FI-0817] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.

8556 [CSIRO FI-0818] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.

8557 [CSIRO FI-0819] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 19 Feb 1991. Australia: Busselton, Western Australia.

8558 [CSIRO FI-820] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 18 Feb 1991. Australia: Kingaroy, Queensland.

8559 [CSIRO FI-0821] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 18 Feb 1991. Australia: Kingaroy, Queensland.

8560 [CSIRO FI-0860] *Galleria mellonella* [Lepidoptera: Pyralidae]. 11 Jun 1991. Australia: Chapman, Australian Capital Territory.

8561 [CSIRO FI-0861] Isolated from soil sample. 1 Jul 1991. Australia: Chapman, Australian Capital Territory.

8562 [CSIRO FI-0862] Isolated from soil sample. 1 Jul 1991. Australia: Chapman, Australian Capital Territory.

8563 [CSIRO FI-0870] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 1 Jul 1991. Australia: Clermont, Queensland.

8564 [CSIRO FI-0871] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 8 Jan 1992. Australia: Clermont, Queensland.

8565 [CSIRO FI-0873] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 26 Aug 1991. Australia: Clermont, Queensland.

8566 [CSIRO FI-0875] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 26 Aug 1991. Australia: Clermont, Queensland.

8567 [CSIRO FI-0877] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 26 Aug 1991. Australia: Clermont, Queensland.

8568 [CSIRO FI-0881] *Desiantha diversipes* [Coleoptera: Curculionidae] from root of *Echium* sp. (Boraginaceae). 8 Jan 1992.

8569 [CSIRO FI-0882] *Desiantha diversipes* [Coleoptera: Curculionidae]. 8 Jan 1992.

8570 [CSIRO FI-0886] *Nasutitermes exitiosus* [Isoptera: Termitidae] from inner mound material. 4 Mar 1992. Australia: West End Highway, Kangaroo Island, South Australia.

8571 [CSIRO FI-0887] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: West End Highway, Kangaroo Island, South Australia.

8572 [CSIRO FI-0888] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: West End Highway, Kangaroo Island, South Australia.

8573 [CSIRO FI-0889] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: Pub Corner, Kangaroo Island, South Australia.

8574 [CSIRO FI-0890] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: Stokes Bay, Kangaroo Island, South Australia.

8575 [CSIRO FI-0742] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] from soil around mound F (F14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

8576 [CSIRO FI-0894] *Heteronychus arator* [Coleoptera: Scarabaeidae]. 11 Apr 1992. Australia: Perth, Western Australia.

8577 [CSIRO FI-0872] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 26 Aug 1991. Australia: Clermont, Queensland.

8580 [CSIRO FI-0900] 29 Apr 1992.

8581 [CSIRO FI-0902] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 29 Apr 1992. Australia: Northern Territory.

8582 [CSIRO FI-0903] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 27 Apr 1992. Australia: Kingaroy, Queensland.

8583 [CSIRO FI-0904] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 27 Apr 1992. Australia: Kingaroy, Queensland.

8584 [CSIRO FI-0905] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 29 Apr 1992. Australia: Northern Territory.

8585 [CSIRO FI-0906] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 29 Apr 1992. Australia: Northern Territory.

8586 [CSIRO FI-0910] *Heteronyx* sp. [Coleoptera: Scarabaeidae]. 23 Jun 1992. Australia: Queensland.

8587 [CSIRO FI-0914] *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 1 Jul 1992. Australia: Gunn Point, Northern Territory.

8588 [CSIRO FI-0915] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 1 Jul 1992. Australia: Gunn Point, Northern Territory.

8589 [CSIRO FI-0916] Adult, *Mastotermes darwiniensis* [Isoptera: Mastotermitidae]. 1 Jul 1992. Australia: Gunn Point, Northern Territory.

8590 [CSIRO FI-0918] *Microcerotermes* sp. [Isoptera: Termitidae]. 1 Jul 1992. Australia: Howard Springs, Northern Territory.

8591 [CSIRO FI-0919] *Microcerotermes* sp. [Isoptera: Termitidae]. 1 Jul 1992. Australia: Howard Springs, Northern Territory.

8592 [CSIRO FI-0920] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 1 Jul 1992. Australia: Queensland.

8593 [CSIRO FI-0924] 17 Jul 1992. Papua New Guinea.

8594 [CSIRO FI-0926] From Dodine 2, 20 Jul 1992. 5 Aug 1992. Sunnycliff Orchard.

8595 [CSIRO FI-0928] From Dodine 1, 20 Jul 1992. 5 Aug 1992. Sunnycliff Orchard.

8596 [CSIRO FI-0929] From Dodine 1, 20 Jul 19925 Aug 1992. Sunnycliff Orchard.

8597 [CSIRO FI-0930] From 1/2 Veen's, 20 Jul 19925 Aug 1992. Sunnycliff Orchard.

8603 [CSIRO FI-0895] Rec'd 18 May 2007. Mixed culture of light and dark spored forms.

8604 [CSIRO FI-0895] Rec'd 18 May 2007. Dark spored form of ARSEF 8603.

8605 [CSIRO FI-0895] Rec'd 18 May 2007. Light spored form of ARSEF 8603.

8608 [CSIRO FI-0896] Adult, [Orthoptera: Acrididae]. 20 Mar 1992. Australia: Honeysuckle Creek, Tharwa, Australian Capital Territory.

8609 [CSIRO FI-0897] Adult, [Orthoptera: Acrididae]. 20 Mar 1992. Australia: Honeysuckle Creek, Tharwa, Australian Capital Territory.

8610 [CSIRO FI-0868] *Heteronyx rugosipennis* [Coleoptera: Scarabaeidae]. 8 Jan 1992. Australia: Clermont, Queensland.

8611 [CSIRO FI-0885] Isolated from soil sample near mound of *Nasutitermes exitiosus*, Termitidae. 4 Mar 1992. Australia: Emu Bay, Kangaroo Island, South Australia.

8612 [CSIRO FI-0923] 12 Jul 1992. Papua New Guinea. Mixed culture of light and dark spored forms.

8613 [CSIRO FI-0923] 12 Jul 1992. Papua New Guinea. Dark spored form of ARSEF 8612.

8614 [CSIRO FI-0923] 12 Jul 1992. Papua New Guinea. Light spored form of ARSEF 8612.

8615 [CSIRO FI-0947] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Laboratory infection S465, 610, Queensland.

8616 [CSIRO FI-0948] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Laboratory infection S465, 610, Queensland.

8617 [CSIRO FI-0950] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Laboratory infection S465, 610, Queensland.

8618 [CSIRO FI-0951] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Laboratory infection S465, FI-0686, Queensland.

8619 [CSIRO FI-0952] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Laboratory infection S465, FI-0686, Queensland.

8620 [CSIRO FI-0953] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Queensland.

8621 [CSIRO FI-0954] *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 22 Jul 1992. Australia: Queensland.

8622 [CSIRO FI-0956] 22 Jul 1992. Australia: Queensland.

8623 [CSIRO FI-0957] 22 Jul 1992.

8624 [CSIRO FI-0958] 22 Jul 1992.

8625 22 Jul 1992.

8626 Acc'd 22 Oct 2007.

8627 Acc'd 23 Oct 2007.

8628 Acc'd 23 Oct 2007.

8629 Acc'd 23 Oct 2007.

8630 Acc'd 24 Oct 2007.

8631 Acc'd 24 Oct 2007.

8632 Acc'd 24 Oct 2007.

8653 LA Castrillo (A2 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Ann Arbor, Michigan.

8654 LA Castrillo (A2 soil 2). Isolated from soil sample. 29 Sep 2007. USA: Ann Arbor, Michigan.

8655 LA Castrillo (B1 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Brighton, Michigan.

8656 LA Castrillo (L1 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Lansing, Michigan.

8657 LA Castrillo (L5 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Lansing, Michigan.

8658 LA Castrillo (R3 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Redford, Michigan.

8659 LA Castrillo (R7 soil 1). Isolated from soil sample. 29 Sep 2007. USA: Redford, Michigan.

8660 Z Demirbag (KTU-49). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 13 Apr 2007. Turkey: Hemsin, Rize.

8662 Z Demirbag (KTU-51). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 4 Jun 2007. Turkey: Gümüshane.

8665 Z Demirbag (KTU-54). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Çalidere, Bayburt.

8669 Z Demirbag (KTU-58). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Bayburt.

8680 MJ Bidochka (43A 2i). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Bewdley, Ontario.

8681 MJ Bidochka (56B 1iv). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Norwood, Ontario.

8682 MJ Bidochka (FRB2 1iv). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Frankford, Ontario.

8683 MJ Bidochka (GUB2 1iv). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Guelph, Ontario.

8684 MJ Bidochka (HKB1 1b). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Havelock, Ontario.

8685 MJ Bidochka (MAA1 2ii). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Madoc, Ontario.

8686 MJ Bidochka (ORB1 1ii). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Orillia, Ontario.

8687 MJ Bidochka (PHA1 2i). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Parkhill, Ontario.

8688 MJ Bidochka (ROA1 1b). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Rodney, Ontario.

8689 MJ Bidochka (ROA2 2a). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Rodney, Ontario.

8690 MJ Bidochka (SCB2 2i). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: St. Catharines, Ontario.

8691 MJ Bidochka (SHB1 2i). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Sharbot Lake, Ontario.

8692 MJ Bidochka (TIB2 1iii). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 1996. Canada: Tillsonburg, Ontario.

8693 ST Jaronski (GE002). 2 Jun 2005. Spain.

8696 ST Jaronski (GE049). *Calliptamus italicus* [Orthoptera: Catantopidae]. 22 Feb 2006. Republic of Georgia: Samuxi.

8698 ST Jaronski (GE051). *Calliptamus italicus* [Orthoptera: Catantopidae]. 7 Mar 2006. Republic of Georgia: Samuxi.

8700 ST Jaronski (GE075). 9 Jul 2004. Republic of Georgia.

8701 ST Jaronski (GE102). *Calliptamus italicus* [Orthoptera: Catantopidae]. 10 Aug 2004. Republic of Georgia: Sagarejo, Kakheti.

8702 ST Jaronski (GE104). *Calliptamus italicus* [Orthoptera: Catantopidae]. 12 Aug 2004. Republic of Georgia: Sagarejo, Kakheti.

8703 ST Jaronski (GE10-01). Isolated from soil sample. 2 Dec 2004. Republic of Georgia: Rustavi, Kvemo Kartli.

8731 [CSIRO FI-0025] *Neotermes* sp. [Isoptera: Kalotermitidae]. 2 Jan 1981. Australia: Cooktown, Queensland.

8733 [CSIRO FI-0153] *Lepidiota frenchi* [Coleoptera: Scarabaeidae]. 28 Jul 1986. Australia: Gordonvale, Queensland.

8734 [CSIRO FI-0454] [Coleoptera: Staphylinidae]. 26 Apr 1989. Australia: Parissi pupation study site, Bundaberg, Queensland.

8735 [CSIRO FI-0999] *Spodoptera* sp. [Lepidoptera: Noctuidae]. 11 May 1993. Malaysia: Cameron Highlands.

8738 [CSIRO FI-1007] *Anomola* sp. [Coleoptera: Scarabaeidae]. 1990. Myanmar: Magwe.

8739 [CSIRO FI-1008] *Anomola* sp. [Coleoptera: Scarabaeidae]. 1990. Myanmar: Magwe.

8740 [CSIRO FI-1009] *Anomola* sp. [Coleoptera: Scarabaeidae]. 1990. Myanmar: Magwe.

8741 [CSIRO FI-1010] *Anomola* sp. [Coleoptera: Scarabaeidae]. 1990. Myanmar: Magwe.

8742 [CSIRO FI-1011] *Anomola* sp. [Coleoptera: Scarabaeidae]. 1990. Myanmar: Magwe.

8743 [CSIRO FI-1012] *Anomola* sp. [Coleoptera: Scarabaeidae]. 1990. Myanmar: Magwe.

8744 [CSIRO FI-1040] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 5 Mar 1994. Australia: Tully, Queensland.

8745 [CSIRO FI-1081] *Brontispa longissima* [Coleoptera: Chrysomelidae]. 20 May 1994. Australia: Darwin, Northern Territory.

8746 [CSIRO FI-1082] *Brontispa longissima* [Coleoptera: Chrysomelidae]. 20 May 1994. Australia: Darwin, Northern Territory.

8747 [CSIRO FI-1083] *Brontispa longissima* [Coleoptera: Chrysomelidae]. 20 May 1994. Australia: Darwin, Northern Territory.

8748 [CSIRO FI-1107] *Papuana* sp. [Coleoptera: Scarabaeidae]. 14 Dec 1994. Papua New Guinea.

8749 [CSIRO FI-1123] Isolated from soil sample. 26 May 1994. Australia: Macquarie Island, Tasmania.

8754 [CSIRO FI-1151] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 17 Aug 1995. Australia: Burdekin, Queensland.

8755 [CSIRO FI-1152] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 17 Aug 1995. Australia: Burdekin, Queensland.

8759 [CSIRO FI-1156; FRR 4834] Leukemia patient, *Homo sapiens* [Primates: Hominidae]. 1 Mar 1996. Australia: Sydney Hospital, Sydney, New South Wales.

8760 [CSIRO FI-1158] *Teleogryllus commodus* [Orthoptera: Gryllidae]. 26 Apr 1996. Australia: Turkeith, Victoria.

8761 [CSIRO FI-1160] Larva, *Antitrogus consanguineus* [Coleoptera: Scarabaeidae]. May 1996. Australia: Bundaberg, Queensland.

8762 [CSIRO FI-1161] Adult, *Rhabdoscelus obscurus* [Coleoptera: Curculionidae]. May 1996. Australia: Northern Queensland, Queensland.

8764 [CSIRO FI-1163] Larva, *Anoplognathus* sp. [Coleoptera: Scarabaeidae]. May 1996. Australia: Cooma, New South Wales.

8765 [CSIRO FI-1240] 3rd instar larva, *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 1 Sep 1997. Australia: Condong, New South Wales.

8766 [CSIRO FI-1241] 3rd instar larva, *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 1 Sep 1997. Australia: Condong, New South Wales.

8767 [CSIRO FI-1247] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 12 Sep 1997. Australia: Condong, New South Wales.

8768 [CSIRO FI-1084] 20 May 1994. Australia: Darwin, Northern Territory.

8769 A Torres Barragan (Ral 5). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from vermicompost. Jul 2008. USA: Red Hen Enterprises, Raleigh, North Carolina.

8775 [ERL 194] BL Parker (AVRDC 0005B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8776 [ERL 195] BL Parker (AVRDC 0009B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8777 [ERL 203] BL Parker (0207B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8778 [ERL 204] BL Parker (AVRDC 0214B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8779 [ERL 205] BL Parker (AVRDC 0216B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8780 [ERL 206] BL Parker (AVRDC 0224B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8781 [ERL 209] BL Parker (AVRDC 0244B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8782 [ERL 211] BL Parker (AVRDC 0260B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8783 [ERL 215] BL Parker (AVRDC 0293B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8784 [ERL 216] BL Parker (AVRDC 0295B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8785 [ERL 218] BL Parker (AVRDC 0312B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8786 [ERL 220] BL Parker (AVRDC 0331B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8787 [ERL 221] BL Parker (AVRDC 0338B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8788 [ERL 222] BL Parker (AVRDC 0344B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8789 [ERL 223] BL Parker (AVRDC 0346B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8790 [ERL 224] BL Parker (AVRDC 0350B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8791 [ERL 225] BL Parker (AVRDC 0355B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8792 [ERL 227] BL Parker (AVRDC 0373B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8793 [ERL 228] BL Parker (AVRDC 0374B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8794 [ERL 229] BL Parker (AVRDC 0377B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8795 [ERL 329] BL Parker (AVRDC 0193B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 2008. Republic of China: Taiwan.

8796 [ERL 330] BL Parker (AVRDC 0205B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8797 [ERL 331] BL Parker (AVRDC 0246B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8798 [ERL 333] BL Parker (AVRDC 0153B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8799 [ERL 334] BL Parker (AVRDC 0168B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8823 [CSIRO FI-1223] Soil from IPM trialSpring 1997. Australia: Queensland.

8824 [CSIRO FI-1224] Soil from IPM trialSpring 1997. Australia: Queensland.

8828 [CSIRO FI-1228] *Rhabdoscelus obscurus* [Coleoptera: Curculionidae]. 4 Jun 1997. Australia: Innisfail, Queensland.

8829 [CSIRO FI-1242] 3rd instar larva, *Rhopaea magnicornis* [Coleoptera: Scarabaeidae] field infection. 1 Sep 1997. Australia: Condong, New South Wales.

8830 [CSIRO FI-1245] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 2 Sep 1997. Laboratory infection.

8831 [CSIRO FI-1246] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 2 Sep 1997. Laboratory infection.

8832 [CSIRO FI-1249] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 22 Oct 1997. Laboratory experiment. Dose 5 after 1 week.

8833 [CSIRO FI-1256] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 2 Sep 1997. Australia: Bundaberg, Queensland.

8834 [CSIRO FI-1257] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 2 Sep 1997. Australia: Bundaberg, Queensland.

8837 [CSIRO FI-1263] *Cyclocephala* sp. [Coleoptera: Scarabaeidae]. 2 May 1998. Australia: Canberra, Australian Capital Territory.

8838 [CSIRO FI-1264] *Cyclocephala* sp. [Coleoptera: Scarabaeidae]. 2 May 1998. Australia: Canberra, Australian Capital Territory.

8839 [CSIRO FI-1267] *Dasygnathus dejeani* [Coleoptera: Scarabaeidae]. 12 May 1998. Australia: Burdekin, Queensland.

8841 [CSIRO FI-1279] *Teleogryllus commodus* [Orthoptera: Gryllidae]. 18 Sep 1998. Laboratory infection ex FI-1099.

8842 [CSIRO FI-1280] *Teleogryllus commodus* [Orthoptera: Gryllidae]. 18 Sep 1998. Laboratory infection ex FI-1037.

8844 [CSIRO FI-1313] *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 1 Apr 1999. Australia: Condong, New South Wales.

8845 [CSIRO FI-1314] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 4 May 1999. Australia: Mackay, Queensland.

8847 [CSIRO FI-1316] *Rhabdoscelus obscurus* [Coleoptera: Curculionidae]. 4 May 1999. Australia: Mackay, Queensland.

8848 [CSIRO FI-1320] *Heteronychus arator* [Coleoptera: Scarabaeidae]. 4 May 1999. Australia: Western Australia.

8849 [CSIRO FI-1321] *Heteronychus arator* [Coleoptera: Scarabaeidae]. 4 May 1999. Australia: Western Australia.

8850 [CSIRO FI-1323] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 6 May 1999. Australia: Mackay, Queensland.

8858 [ERL 230] BL Parker (AVRDC 0381B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8859 [ERL 231] BL Parker (AVRDC 0383B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8860 [ERL 234] BL Parker (AVRDC 0390B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8861 [ERL 235] BL Parker (AVRDC 0393B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8862 [ERL 236] BL Parker (AVRDC 0399B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8863 [ERL 237] BL Parker (AVRDC 0402B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8864 [ERL 238] BL Parker (AVRDC 0408B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8865 [ERL 239] BL Parker (AVRDC 0410B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8866 [ERL 240] BL Parker (AVRDC 0411B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8867 [ERL 241] BL Parker (AVRDC 0414B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8868 [ERL 337] BL Parker (AVRDC 0382B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8869 [ERL 338] BL Parker (AVRDC 0384B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8870 [ERL 340] BL Parker (AVRDC 0388B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8871 [ERL 342] BL Parker (AVRDC 0392B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8872 [ERL 343] BL Parker (AVRDC 0394B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8873 [ERL 345] BL Parker (AVRDC 0397B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8874 [ERL 347] BL Parker (AVRDC 0404B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8875 [ERL 348] BL Parker (AVRDC 0419B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8876 [ERL 349] BL Parker (AVRDC 0420B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8877 [ERL 350] BL Parker (AVRDC 0423B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8878 [ERL 352] BL Parker (AVRDC 0432B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8879 [ERL 353] BL Parker (AVRDC 0437B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8880 [ERL 354] BL Parker (AVRDC 0439B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8881 [ERL 355] BL Parker (AVRDC 0440B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8882 [ERL 356] BL Parker (AVRDC 0441B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8883 [ERL 357] BL Parker (AVRDC 0442B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8884 [ERL 358] BL Parker (AVRDC 0449B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8885 [ERL 359] BL Parker (AVRDC 0450B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8886 [ERL 360] BL Parker (AVRDC 0451B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8887 [ERL 361] BL Parker (AVRDC 0458B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8893 [CSIRO FI-1244] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 2 Sep 1997. Laboratory infection.

8894 [ERL 246] BL Parker (AVRDC 0467B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8895 [ERL 247] BL Parker (AVRDC 0468B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8896 [ERL 248] BL Parker (AVRDC 0469B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8897 [ERL 249] BL Parker (AVRDC 0470B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8898 [ERL 251] BL Parker (AVRDC 0477B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8899 [ERL 254] BL Parker (AVRDC 0483B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8900 [ERL 256] BL Parker (AVRDC 0485B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8901 [ERL 258] BL Parker (AVRDC 0492B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8902 [ERL 259] BL Parker (AVRDC 0500B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8903 [ERL 265] BL Parker (AVRDC 0523B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8904 [ERL 270] BL Parker (AVRDC 0549B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8905 [ERL 273] BL Parker (AVRDC 0555B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8906 [ERL 277] BL Parker (AVRDC 0567B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8907 [ERL 283] BL Parker (AVRDC 0592B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8908 [ERL 284] BL Parker (AVRDC 0599B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8909 [ERL 286] BL Parker (AVRDC 0611B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8910 [ERL 287] BL Parker (AVRDC 0612B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8911 [ERL 288] BL Parker (AVRDC 0614B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8912 [ERL 362] BL Parker (AVRDC 0459B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8913 [ERL 363] BL Parker (AVRDC 0462B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8914 [ERL 364] BL Parker (AVRDC 0465B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8915 [ERL 365] BL Parker (AVRDC 0493B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8916 [ERL 366] BL Parker (AVRDC 0520B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8941 [ERL 200] BL Parker (AVRDC 0154B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8942 [ERL 201] BL Parker (AVRDC 0166B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8943 [ERL 207] BL Parker (AVRDC 0238B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8944 [ERL 210] BL Parker (AVRDC 0245B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8945 [ERL 212] BL Parker (AVRDC 0262B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8946 [ERL 217] BL Parker (AVRDC 0303B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8947 [ERL 232] BL Parker (AVRDC 0385B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8948 [ERL 233] BL Parker (AVRDC 0389B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8949 [ERL 260] BL Parker (AVRDC 0506B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8950 [ERL 285] BL Parker (AVRDC 0602B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8951 [ERL 329] BL Parker (AVRDC 0193B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8952 [ERL 335] BL Parker (AVRDC 0184B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8953 [ERL 336] BL Parker (AVRDC 0186B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8954 [ERL 341] BL Parker (AVRDC 0376B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8955 [ERL 346] BL Parker (AVRDC 0398B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8956 [ERL 685] M Brownbridge (CA-132) and S Gouli. Isolated from soil sample. 2002. USA: California.

8957 [ERL 686] M Brownbridge (CA-135) and V Gouli. Isolated from soil sample. 2002. USA: California.

8989 [ARSEF 8945] MM Wheeler. 17 Apr 2009. Laboratory isolation. Spontaneous color mutant (brown) selected from ERL 212, ARSEF 8945.

9150 [ERL 738] M Brownbridge (CA-714) and S Gouli. Isolated from soil sample. 2002. USA: California.

9151 [ERL 739] M Brownbridge (CA-715) and S Gouli. Isolated from soil sample. 2002. USA: California.

9152 [ERL 740] M Brownbridge (CA-716) and V Gouli. Isolated from soil sample. 2002. USA: California.

9153 [ERL 741] M Brownbridge (CA-770) and S Gouli. Isolated from soil sample. 2002. USA: California.

9154 [ERL 742] M Brownbridge (CA-717) and S Gouli. Isolated from soil sample. 2002. USA: California.

9155 [ERL 743] M Brownbridge (CA-718) and V Gouli. Isolated from soil sample. 2002. USA: California.

9156 [ERL 744] M Brownbridge (CA-719) and S Gouli. Isolated from soil sample. 2002. USA: California.

9157 [ERL 745] M Brownbridge (CA-720) and S Gouli. Isolated from soil sample. 2002. USA: California.

9158 [ERL 746] M Brownbridge (CA-721) and V Gouli. Isolated from soil sample. 2002. USA: California.

9159 [ERL 747] M Brownbridge (CA-722) and S Gouli. Isolated from soil sample. 2002. USA: California.

9160 [ERL 748] M Brownbridge (CA-723) and S Gouli. Isolated from soil sample. 2002. USA: California.

9161 [ERL 749] M Brownbridge (CA-724) and V Gouli. Isolated from soil sample. 2002. USA: California.

9162 [ERL 750] M Brownbridge (CA-725) and S Gouli. Isolated from soil sample. 2002. USA: California.

9217 B Kumashiro. *Blosyrus asellus* [Coleoptera: Curculionidae]. Rec'd 8 Jul 2009. USA: Pearl City, Hawaii.

9218 B Kumashiro. *Blosyrus asellus* [Coleoptera: Curculionidae]. Rec'd 8 Jul 2009. USA: sweet potato farm, Waipio, Hawaii.

9235 [ERL 276] BL Parker (AVRDC 0561B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

9236 [ERL 328] BL Parker (AVRDC 0076B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

9279 [ERL 1579] VS Gouli (Thr-08-M3). Isolated from soil sample. 2008. USA: Vermont.

9280 [ERL 1580] VS Gouli (Thr-08-M4). Isolated from soil sample. 2008. USA: Vermont.

9281 [ERL 1581] VS Gouli (Thr-08-M5). Isolated from soil sample. 2008. USA: Vermont.

9282 [ERL 1582] VS Gouli (Thr-08-M6). Isolated from soil sample. 2008. USA: Vermont.

9283 [ERL 1583] VS Gouli (Thr-08-M7). Isolated from soil sample. 2008. USA: Vermont.

9284 [ERL 1584] VS Gouli (Thr-08-M8). Isolated from soil sample. 2008. USA: Vermont.

9285 [ERL 1585] VS Gouli (Thr-08-M9). Isolated from soil sample. 2008. USA: Vermont.

9286 [ERL 1586] VS Gouli (Thr-08-M10). Isolated from soil sample. 2008. USA: Vermont.

9287 [ERL 1587] VS Gouli (Thr-08-M11). Isolated from soil sample. 2008. USA: Vermont.

9288 [ERL 1588] VS Gouli (Thr-08-M12). Isolated from soil sample. 2008. USA: Vermont.

9303 [ERL 1596] VS Gouli (Thr-08-M13). Isolated from soil sample. 2008. USA: Vermont.

9304 [ERL 1597] VS Gouli (Thr-08-M14). Isolated from soil sample. 2008. USA: Vermont.

9305 [ERL 1598] VS Gouli (Thr-08-M15). Isolated from soil sample. 2008. USA: Vermont.

9306 [ERL 1599] VS Gouli (Thr-08-M16). Isolated from soil sample. 2008. USA: Vermont.

9307 [ERL 1607] VS Gouli (Thr-08-M17). Isolated from soil sample. 2008. USA: Vermont.

9308 [ERL 1608] VS Gouli (Thr-08-M18). Isolated from soil sample. 2008. USA: Vermont.

9309 [ERL 1609] VS Gouli (Thr-08-M19). Isolated from soil sample. 2008. USA: Vermont.

9310 [ERL 1610] VS Gouli (Thr-08-M20). Isolated from soil sample. 2008. USA: Vermont.

9311 [ERL 1611] VS Gouli (Thr-08-M21). Isolated from soil sample. 2008. USA: Vermont.

9312 [ERL 1612] VS Gouli (Thr-08-M22). Isolated from soil sample. 2008. USA: Vermont.

9313 [ERL 1613] VS Gouli (Thr-08-M23). Isolated from soil sample. 2008. USA: Vermont.

9314 [ERL 1614] VS Gouli (Thr-08-M24). Isolated from soil sample. 2008. USA: Vermont.

9315 [ERL 1615] VS Gouli (Thr-08-M25). Isolated from soil sample. 2008. USA: Vermont.

9316 [ERL 1616] VS Gouli (Thr-08-M26). Isolated from soil sample. 2008. USA: Vermont.

9317 [ERL 1617] VS Gouli (Thr-08-M27). Isolated from soil sample. 2008. USA: Vermont.

9318 [ERL 1618] VS Gouli (Thr-08-M28). Isolated from soil sample. 2008. USA: Vermont.

9319 [ERL 1619] VS Gouli (Thr-08-M29). Isolated from soil sample. 2008. USA: Vermont.

9320 [ERL 1620] VS Gouli (Thr-08-M30). Isolated from soil sample. 2008. USA: Vermont.

9321 [ERL 1621] VS Gouli (Thr-08-M31). Isolated from soil sample. 2008. USA: Vermont.

9322 [ERL 1622] VS Gouli (Thr-08-M32). Isolated from soil sample. 2008. USA: Vermont.

9323 [ERL 1623] VS Gouli (Thr-08-M33). Isolated from soil sample. 2008. USA: Vermont.

9324 [ERL 1624] VS Gouli (Thr-08-M34). Isolated from soil sample. 2008. USA: Vermont.

9325 [ERL 1625] VS Gouli (Thr-08-M35). Isolated from soil sample. 2008. USA: Vermont.

9326 [ERL 1626] VS Gouli (Thr-08-M36). Isolated from soil sample. 2008. USA: Vermont.

9327 [ERL 1627] VS Gouli (Thr-08-M37). Isolated from soil sample. 2008. USA: Vermont.

9328 [ERL 1628] VS Gouli (Thr-08-M38). Isolated from soil sample. 2008. USA: Vermont.

9329 [ERL 1629] VS Gouli (Thr-08-M39). Isolated from soil sample. 2008. USA: Vermont.

9330 [ERL 1630] VS Gouli (Thr-08-M40). Isolated from soil sample. 2008. USA: Vermont.

9331 [ERL 1631] VS Gouli (Thr-08-M41). Isolated from soil sample. 2008. USA: Vermont.

9332 [ERL 1632] VS Gouli (Thr-08-M42). Isolated from soil sample. 2008. USA: Vermont.

9333 [ERL 1633] VS Gouli (Thr-08-M43). Isolated from soil sample. 2008. USA: Vermont.

9372 A Morales (#1B). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 5 Nov 2004. USA: Battle Island State Park Golf Course, Fulton, New York.

9373 A Morales (#3). Larva, *Amphimallon majale* [Coleoptera: Scarabaeidae]. 2 Nov 2004. USA: Wayne Hills Country Club, Lyons, New York.

9374 A Morales (#6). Adult, *Listronotus maculicollis* [Coleoptera: Curculionidae]. 29 Jun 2005. USA: Robert Trent Jones Golf Course at Cornell University, Ithaca, New York.

9439 [ERL 1052] M Brownbridge (CA-170). Isolated from soil sample. 2002. USA: California.

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9590 [ERL 1054] S Gouli and V Gouli (HWA(1080)). *Adelges tsugae* [Homoptera: Adelgidae]. 2005. USA: Massachusetts.

9591 [ERL 1055] S Gouli (ESC-1(607)WFT) and V Gouli. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 2006.

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9612 JG Banu (2). *Paracoccus marginatus* [Homoptera: Pseudococcidae]. Dec 2009. India: Coimbatore, Tamil Nadu.

9613 JG Banu (3). *Paracoccus marginatus* [Homoptera: Pseudococcidae]. Dec 2009. India: Coimbatore, Tamil Nadu.

9939 [ERL 1723] S Gouli (GA-09-M) and V Gouli. [Diptera]. 2009. USA: Vermont.

10131 [ERL 1540] S Gouli (Thr.-08-M-1) and V Gouli. Isolated from soil sample. 2008. USA: Underhill, Vermont.

10135 [ERL 1795] S Gouli and V Gouli (Thr.-10-13). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.

10136 [ERL 1796] S Gouli (Thr.-10-14) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

10137 [ERL 1797] S Gouli and V Gouli (Thr.-10-15). *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Bakersfield, Vermont.

10469 [CSIRO FI-1045] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 5 Mar 1994. Australia: Tully, Queensland. Patented, commercialized strain (BioCane). **RESTRICTED ACCESS:** *consult Curator*.

***Metarhizium anisopliae* sensu stricto** (Metschnikoff) Sorokin
[Sordariomycetes: Hypocreales]

Clavicipitaceae. These isolates have been confirmed to belong in this narrowly redefined species in an emergent genomically based classification

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587 JM Lenné (C7). *Mocis* sp. [Lepidoptera: Noctuidae]. Rec'd 13 Apr 1981. Colombia: Carimagua.

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798 DA Rodriguez Sierra. Nymph, *Aeneolamia varia* [Homoptera: Cercopidae]. 1979. Colombia: Villavicencio, Meta.

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1489 [INRA Ma-139] GG Soares ← G Riba. *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Acc'd 21 Aug 1984. France.

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2517 [CP 226] F Moscardi. *Deois flavopicta* [Homoptera: Cercopidae]. Acc'd 8 Dec 1987. Brazil: Joquapita.

2518 [CP 224] *Conoderus* sp. [Coleoptera: Elateridae]. Acc'd 8 Dec 1987. New Zealand.

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2786 RA Humber ← II Kirijak. [Orthoptera: Gryllotalpidae]. Jul 1989. Commonwealth of Independent States: Kishinev, Moldova.

3187 GW Riethmacher (B43a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 3 May 1990. Philippines: La Trinidad, Benguet.

3621 IMI (299982). *Aeneolamia varia* [Homoptera: Cercopidae]. Rec'd 26 Feb 1992. Trinidad and Tobago.

3924 DR Sosa-Gómez (CNPSo-Ma58) ← LJ Oliveira. *Phyllophaga cuyabana* [Coleoptera: Scarabaeidae]. 22 Nov 1990. Brazil: Boa Esperança, Paraná.

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7426 [CSIRO FI-0427] Larva, [Diptera: Stratiomyidae]. 14 Apr 1989. Australia: Dorvenison, Innisfail, Queensland.

7427 [CSIRO FI-0487] Adult, [Diptera: Stratiomyidae]. 2 Jun 1989. Australia: pupation site, Sommerfield, Queensland.

7428 [CSIRO FI-0488] Adult, [Diptera: Stratiomyidae]. 2 Jun 1989. Australia: pupation site, Sommerfield, Queensland.

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7450 [CSIRO FI-0976] Larva, *Heteronyx piceus* [Coleoptera: Scarabaeidae]. 11 Jun 1992. Australia: Queensland.

7487 [CSIRO FI-1029] IMI (168777ii). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1 Jun 1994. Ethiopia. Ex-type isolate.

7979 [IBCB 348] *Mahanarva fimbriolata* [Homoptera: Cercopidae]. Rec'd 29 Mar 2006. Brazil: São Paulo. Metarriz commercial product from Biocontrol, Brazil. **RESTRICTED ACCESS:** *consult Curator*.

7980 [ARSEF 2627; CNPAF PL-43; IBCB CP 242] *Mahanarva posticata* [Homoptera: Cercopidae]. Rec'd 29 Mar 2006. Brazil: Cortês, Pernambuco. Commercial product from Biotech, Brazil. **RESTRICTED ACCESS:** *consult Curator*.

7981 [CENARGEN CG 858; IBCB 10] *Mahanarva fimbriolata* [Homoptera: Cercopidae]. Rec'd 29 Mar 2006. Brazil: Araçatuba, São Paulo. Commercial product from BioCerto, Brazil. **RESTRICTED ACCESS:** *consult Curator*.

10472 C Thamarai Chelvi (1). *Holotrichia serrata* [Coleoptera: Scarabaeidae]. 25 Aug 2009. India: Bannari Amman Sugar Mill area, Sathyamangalam, Tamil Nadu.

10473 C Thamarai Chelvi (2). *Spodoptera litura* [Lepidoptera: Noctuidae]. 21 Oct 2009. India: Coimbatore, Tamil Nadu. Tamil Nadu Agricultural University, Department of Plant Pathology.

10474 C Thamarai Chelvi (3). Rec'd 8 Dec 2010. India: Salem Sugar Mill area, Rasipuram, Tamil Nadu.

10475 C Thamarai Chelvi (4). *Holotrichia consanguinea* [Coleoptera: Scarabaeidae]. 6 Apr 2010. India: Timiri village, Vellore Sugar Mill area, Vellore, Tamil Nadu.

10476 C Thamarai Chelvi (5). *Holotrichia serrata* [Coleoptera: Scarabaeidae]. 2 Mar 2010. India: Salem Sugar Mill area, Rasipuram, Tamil Nadu.

10477 C Thamarai Chelvi (6). Rec'd 8 Dec 2010.

Metarhizium anisopliae* var. *acridum Driver, Milner & Trueman
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Species remaining here need genomic confirmation before reassignment under classification of Bischoff et al. (2009), presumably to *M. acridum*.

3606 IMI (I91-609). *Zonocerus variegatus* [Orthoptera: Pyrgomorphidae]. Rec'd 26 Feb 1992. Benin.

3614 IMI (I91-671). *Kraussaria angulifera* [Orthoptera: Acrididae: Cyrtacanthacridinae]. Rec'd 26 Feb 1992. Benin.

5734 ST Jaronski (SP3). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.

7522 [ARSEF 324] RJ St. Leger. Feb 1979. Australia: Queensland.

7970 [CSIRO FI-985] *Austracris guttulosa* [Orthoptera: Acrididae]. 29 Aug 1992. Australia: Rockhampton, Queensland.

8359 [CSIRO FI-0985] DEN Rangel and DW Roberts (F985). *Austracris guttulosa* [Orthoptera: Acrididae]. Rec'd 20 Feb 2007. Australia: Rockhampton, Queensland. **RESTRICTED ACCESS:** *consult Curator*.

8360 DEN Rangel and DW Roberts. Rec'd 20 Feb 2007. Patented, commercialized strain, Green Guard? biological pesticide. **RESTRICTED ACCESS:** *consult Curator*.

Metarhizium anisopliae* var. *anisopliae
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Species remaining here need genomic confirmation before reclassification under the classification of Bischoff et al. (2009).

6550 D Chandler (HRI 331.92). Larva, *Eumerus strigatus* [Diptera: Syrphidae]. Rec'd 13 Jul 2000. United Kingdom.

Metarhizium anisopliae* var. *lepidiotae Driver, Milner & Trueman
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Species remaining here need genomic confirmation before reclassification under the emergent classification of Bischoff et al. (2009), presumably to *M. lepidiotae*.

7453 [ARSEF 7488; CSIRO FI-1042] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 5 Mar 1994. Australia: Tully, Queensland.

8732 [CSIRO FI-0147] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 29 May 1986. Australia: Mossman, Queensland. CULTURE EX TYPE.

Metarhizium anisopliae* var. *majus (Johnston) Tulloch
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Species remaining here need genomic confirmation before reclassification, presumably as *M. majus*, under the classification of Bischoff et al. (2009).

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297 KJ Marschall. Larva, *Xyloryctes jamaicensis* [Coleoptera: Scarabaeidae]. 22 Nov 1978. Western Samoa: Apia.

298 RS Soper. Larva, *Xyloryctes jamaicensis* [Coleoptera: Scarabaeidae]. Acc'd 22 Feb 1979. Western Samoa: Apia.

1383 Acc'd 26 Jun 1984. Location not specified.

2151 MC Rombach (170386-1). Larva, *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. 17 Mar 1986. Indonesia: Ciamis, Jawa Barat, Java.

3145 INRA (Ma-51) ← A Glandard. *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. Jan 1971. France: La Minière.

8736 [CSIRO FI-1000] *Spodoptera* sp. [Lepidoptera: Noctuidae]. 11 May 1993. Malaysia: Cameron Highlands.

Metarhizium brunneum Petch
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Restored from synonymy variously with *M. anisopliae* and *M. album* as part of the genomic classification of Bischoff et al. (2009).

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346 [CSIRO FI24] *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. Acc'd 4 Apr 1980. Australia: Adelaide, South Australia.

455 [QEC 410.0] RS Soper. *Nilaparvata lugens* [Homoptera: Delphacidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

472 [CSIRO FI55; DAR 29768] J Walker ← A Wescott. [Coleoptera: Scarabaeidae]. Sep 1977. Australia: BCRI, R.D. 66, Rydalmere, New South Wales.

817 GG Soares (17). 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.

820 GG Soares (A7) ← M Marchal. 6th instar larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Jan 1982. France: Angers, Maine-et-Loire.

988 J Aoki (Met. 1). *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Fuchu, Tokyo Prefecture.

1066 [ARSEF ?397] TJ Poprawski ← S Keller (92). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 29 May 1981. Switzerland: Iselisberg.

1095 DW Roberts ← S Keller (Ma 43). *Carpocapsa pomonella* [Lepidoptera: Olethreutidae]. Acc'd 16 Feb 1984. Austria. Strong destruxin producer.

1112 KV Deseö (32B) ← Becchi. Pupa, *Lobesia botrana* [Lepidoptera: Tortricidae]. Apr 1982. Italy: Modena, Emilia-Romagna.

1116 KV Deseö (40B) ← Celli. Pupa, *Leucoptera scitella* [Lepidoptera: Lyonetiidae]. Aug 1982. Italy: Ravenna, Emilia-Romagna.

1187 [INRA Ma-23] TJ Poprawski ← GCN Latch. *Oxycanus* sp. [Lepidoptera: Hepialidae]. 20 Jan 1966. New Zealand: Palmerston North, North Island.

1278 IMI (170289) ← GL Barron. Soil. 1973. Canada.

2042 [IMI 113863] MC Rombach ← GL Barron (10277). Peat soil in cedar bog. 1960. Canada: Guelph, Ontario.

2107 [CBS 316.51; IMI 014746; NRRL 1944; QM 191] MC Rombach ← KB Raper and LP Rockwood. Larva, *Agriotes* sp. [Coleoptera: Elateridae]. 29 Jun 1933. USA: Forest Grove, Oregon. Ex-type isolate.

2210 [ARSEF 2225] MC Rombach (140486-1) ← H Beddu Rewa. [Coleoptera: Curculionidae] on palm tree. 22 Mar 1986. Indonesia: Baritiwurung (Butterfly Valley), nr. Ujungpandang, Sulawesi Selatan, Celebes.

2224 MC Rombach (140486). [Coleoptera: Curculionidae]. 14 Apr 1986. Indonesia.

2742 GW Riethmacher (B4T8). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 6 Feb 1989. Philippines: Atok, Benguet.

2764 SR Sánchez Peña (1). Dermaptera isolate passed through *Pogonomyrmex* sp. [Hymenoptera: Formicidae]. 22 Apr 1987. Mexico: Tecomán, Colima.

2974 C López Lastra. Adult, *Aedes crinifer* [Diptera: Culicidae]. 30 Nov 1988. Argentina: Los Talas, Berisso, Buenos Aires.

3045 WE Jones (FST). *Coptotermes formosanus* [Isoptera: Rhinotermitidae]. May 1990. USA: Oahu, Hawaii.

3294 J Gutierrez Samperio (10) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1989. Mexico: Colima.

3295 J Gutierrez Samperio (11) ← ERD Reyes. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on soybeans. 1987. Mexico: Tamaulipas.

3297 J Gutierrez Samperio (13) ← ERD Reyes. *Boophilus* sp. [Acari: Ixodidae] on cow. 1987. Mexico: Colima.

3738 SR Sánchez Peña. Alate, *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 6 Jul 1992. USA: Texas A&M University campus, College Station, Texas.

3826 CF Andrade (IF#2). Larva, *Ochlerotatus triseriatus* [Diptera: Culicidae]. 11 May 1992. USA: Stair Park, Vestal, NY.

3864 LA Lacey (92141). *Popillia japonica* [Coleoptera: Scarabaeidae]. 22 Oct 1992. Portugal: Terceira Island, Azores.

4020 T Steenberg (211) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae]. Jul 1990. Denmark: Silkeborg, Århus.

4131 [DAT 10] AC Rath (F010). *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. 1983. Australia: Waitpinga, South Australia.

4152 [DAT 147] AC Rath (F147) ← H Yip (HY214). Soil. 26 Oct 1988. Australia: Buckland, Tasmania.

4158 [DAT 166] AC Rath (F166) ← H Yip (HY195). Soil. 13 Oct 1988. Australia: Huonville, Tasmania.

4164 [DAT 192] AC Rath (F192) ← H Yip (HY169). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.

4179 [DAT 208] AC Rath (F208) ← H Yip (HY153). Soil. 23 Aug 1988. Australia: Montumana, Tasmania.

4228 [CRI 35-79; DAT 120] AC Rath (F120) ← AT Gillespie. Larva, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. 28 Jan 1988. Australia: Crops Research Inst..

4251 [DAT 213] AC Rath (F213) ← H Yip (HY148). Soil. 23 Aug 1988. Australia: Montumana, Tasmania.

4615 [DAT 369] AC Rath (F369) ← H Yip (HY229). Soil. 27 Oct 1988. Australia: Bruny Island, Tasmania.

5198 RA LeBrun (Bio 1020). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 20 May 1996. Germany.

5625 I Vänninen (SF85-56). Larva, *Tribolium castaneum* [Coleoptera: Tenebrionidae] as bait from soil. 10 Aug 1985. Finland: Toholampi, Vaasan Lääni.

5626 I Vänninen (SF86-38). Larva, *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. Aug 1986. Finland: Pälkäne, Hämeen Lääni.

5751 MCHCA Bernal (MaPL40). *Schistocerca piceifrons* [Orthoptera: Acrididae]. 1996. Mexico: Isla Socorro, Colima.

6120 C López Lastra. Larva, *Diloboderus abderus* [Coleoptera: Scarabaeidae] from soil. Nov 1996. Argentina: Lincoln, Buenos Aires.

6392 TL Dubois (VD 5 rep b) ← V D'Amico. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. Rec'd 22 Dec 1999. USA: Laboratory colony, USDA Forest Service, Ansonia, Connecticut.

6474 I Klingen (SKA.99). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Sep 1999. Norway: Skavanget.

6477 I Klingen (HAG.99). Larva, *Phyllopertha horticola* [Coleoptera: Scarabaeidae] in lawn. 18 Sep 1999. Norway: Moss, Østfold.

7234 AE Hajek (VD-1) ← V D'Amico. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] reared from wood collected in Chicago, IL. Rec'd 5 Jan 2004. USA: Laboratory colony, USDA Forest Service, Ansonia, Connecticut.

7433 [CSIRO FI-0692] 8 Sep 1990. Burma.

7434 [CSIRO FI-0694] Aug 1990. Burma.

7711 [I Earth BioScience F52; IMI 385045] T Corell. Rec'd 1 Jun 2005. Austria. **RESTRICTED ACCESS:** consult Curator.

8415 AE Hajek (FS6). Larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 5 Mar 1999. USA: Quarantine colony, USDA Forest Service, Ansonia, Connecticut.

8416 AE Hajek (VD3). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 26 Sep 1999. USA: Quarantine colony, USDA Forest Service, Ansonia, Connecticut.

8417 AE Hajek (VD7). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 20 Jul 1999. USA: Quarantine colony, USDA Forest Service, Ansonia, Connecticut.

8418 AE Hajek (VD8). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 10 Jul 1999. USA: Quarantine colony, USDA Forest Service, Ansonia, Connecticut.

8419 AE Hajek (VD9). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 8 Jul 1999. USA: Quarantine colony, Ansonia, Connecticut.

8671 Z Demirbag (KTU-60). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Jul 2007. Turkey: Gümüshane. Identification confirmed by gene sequences.

9608 T Myles (G55ai). Rec'd 16 Mar 2010. Canada: Guelph, Ontario.

Metarhizium flavoviride W Gams & Rozsypal
[Sordariomycetes: Hypocreales]
Clavicipitaceae

2024 [ARSEF 1184; INRA Mf-88] CBS (700.74) ← P Ferron. *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Acc'd 23 Oct 1985. France: Brittany, Morbihan.

2026 CBS (473.73) ← W Gams and J Rozsypal ← JW Veenbaas-Rijks. Field soil. 1973. Netherlands. CULTURE EX TYPE.

4221 [DAT 247] AC Rath (F247) ← H Yip (HY114). Soil. 8 Jul 1988. Australia: Latrobe, Tasmania.

4272 [DAT 210] AC Rath (F210) ← H Yip (HY151). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.

4304 [DAT 393] AC Rath (F393) ← H Yip (HY253). Soil. Rec'd 6 Jun 1994. Australia: Smithton, Tasmania.

6416 EA Ouna (Sudan P1 (b)). Rec'd 22 Dec 1999.

8737 [CSIRO FI-1002] *Lachnosterna bidentata* [Coleoptera: Scarabaeidae]. 11 May 1993. Malaysia: Tapah.

8758 [CSIRO FI-1155] *Chortoicetes terminifera* [Orthoptera: Acrididae]. 12 Jan 1996. Australia: Ravensworth, Hunter Valley, New South Wales.

***Metarhizium flavoviride* 'Type E'** (see Driver et al., 2000)
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Species remaining here need genomic confirmation before reclassification under the classification of Bischoff et al. (2009).

2948 [CP 271] SP Wraight ← LG Leite. [Homoptera: Cicadellidae]. 30 Apr 1989. Brazil: Campinas, São Paulo.

Metarhizium flavoviride* var. *flavoviride
[Sordariomycetes: Hypocreales]
Clavicipitaceae

1184 [ARSEF 2024; CBS 700.74; INRA Mf-88] TJ Poprawski ← P Ferron. *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Jan 1974. France: Brittany, Morbihan.

2025 CBS (125.65) ← W Gams and J Rozsypal. Brassica oleracea (agricultural soil). 1963. Germany: Kiel-Kitzeberg.

4719 [DAT 130] AC Rath (F130). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1 Sep 1988. Australia: Campbelltown, Tasmania.

4720 [DAT 133] AC Rath (F133). Adult, *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1 Sep 1988. Australia: Mt. Morriston, Ross, Tasmania.

4727 [DAT 193] AC Rath (F193) ← H Yip (HY168). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.

4729 [DAT 238] AC Rath (F238) ← H Yip (HY123). Soil. 7 Aug 1988. Australia: Tasmania.

4730 [DAT 256] AC Rath (F256) ← H Yip (HY104). Soil. 8 Jun 1988. Australia: Sorell, Tasmania.

Metarhizium flavoviride* var. *minus Rombach, Humber & Roberts
[Sordariomycetes: Hypocreales]
Clavicipitaceae

1099 DW Roberts (A8). *Nilaparvata lugens* [Homoptera: Delphacidae]. 13 Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1271 DW Roberts (S). *Nilaparvata lugens* [Homoptera: Delphacidae]. Aug 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1272 DW Roberts (Bq). Biotype 2, *Nilaparvata lugens* [Homoptera: Delphacidae]. 13 Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1273 DW Roberts (T2). *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1274 DW Roberts (BPH-5). Biotype 3, *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1275 DW Roberts (BPH-8). Biotype 3, *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1276 DW Roberts (IV). Biotype 1, *Nilaparvata lugens* [Homoptera: Delphacidae]. 13 Sep 1983. Philippines: Plant Breeding, IRRI, Los Baños, Manila.

1277 DW Roberts (I). Biotype 1, *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: Plant Breeding, IRRI, Los Baños, Manila.

1279 DW Roberts (IX). *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: Plant Physiology Plot, IRRI, Los Baños, Manila.

1283 DW Roberts (VII). *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: Plant Physiology Field, IRRI, Los Baños, Manila.

1287 DW Roberts (BPH-10). Biotype 3, *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1288 DW Roberts ((i)I). *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1289 DW Roberts (BPH-7). Biotype 3, *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1291 DW Roberts (A1). Biotype 1, *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1292 DW Roberts (C). *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1293 DW Roberts (H). *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1294 [ARSEF ?1295] DW Roberts (BPH-3[?]). *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1295 [ARSEF ?1294] DW Roberts (BPH-3[?]). *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1296 DW Roberts (BPH-6). *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1297 DW Roberts (A9). Biotype 1, *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1301 DW Roberts (VI). *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: Plant Physiology Plot, IRRI, Los Baños, Manila.

1302 DW Roberts (5A). Biotype 1, *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1303 DW Roberts (A10). Biotype 1, *Nilaparvata lugens* [Homoptera: Delphacidae]. 13 Sep 1983. Philippines: greenhouse, IRRI, Los Baños, Manila.

1305 DW Roberts (R). *Nilaparvata lugens* [Homoptera: Delphacidae]. Sep 1983. Philippines: Sipit Area, IRRI, Los Baños, Manila.

1546 MC Rombach (Lib.11) ← RM Aguda. *Recilia dorsalis* [Homoptera: Cicadellidae] on rice. 1983. Philippines: Bicol region.

1547 MC Rombach (Lib.16) ← RM Aguda. *Recilia dorsalis* [Homoptera: Cicadellidae] on rice. 1983. Philippines: Bicol region.

1763 [ATCC 200913] MC Rombach ← T Ho (Sol-31). *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.

1764 MC Rombach ← T Ho (Sol-3). *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.

1765 MC Rombach ← T Ho (Sol-28). *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.

1766 MC Rombach ← T Ho (Sol-5). *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.

1767 MC Rombach ← T Ho (Sol-17). *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.

1768 MC Rombach ← T Ho (Sol-7). *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.

1769 MC Rombach ← T Ho (Sol-14). *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.

1770 MC Rombach ← T Ho (Sol-30). *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.

1771 MC Rombach ← T Ho (Sol-4). *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.

1772 MC Rombach ← T Ho (Sol-11). *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.

1773 MC Rombach ← T Ho (Sol-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. Nov 1984. Solomon Islands: SolRice, Honiara, Guadalcanal.

1945 MC Rombach (MALBIRRI). *Nephotettix virescens* [Homoptera: Cicadellidae]. Acc'd 11 Sep 1985. Philippines: IRRI, Los Baños, Manila.

2023 CBS (544.81) ← HC Evans. [Orthoptera: Acrididae]. 1981. Ecuador: Santa Fe Island, Galapagos Islands.

2037 MC Rombach (051185-4). *Nilaparvata lugens* [Homoptera: Delphacidae]. 5 Nov 1985. Philippines: IRRI, Los Baños, Manila. CULTURE EX TYPE.

2339 MC Rombach (120186-2). [Homoptera: Cicadellidae] on rice. 12 Jan 1986. Philippines: Palawan.

6593 [IITA 189] A Cherry. Abandoned termite mound. Rec'd 18 Sep 2000. Benin: N'Dali, Borgou.

6594 [IITA 190] A Cherry. Abandoned *Macrotermes* termite mound. Rec'd 18 Sep 2000. Benin: Sassaduro, Alibori, Borgou.

6595 [IITA 191] A Cherry. Abandoned termite mound. Rec'd 18 Sep 2000. Benin: Kpebie, Perere, Borgou.

6596 [IITA 192] A Cherry. From bark mixed with sand. Rec'd 18 Sep 2000. Benin: Koda, Tchaourou, Borgou.

6599 [IITA 195] A Cherry. From plant fragments. Rec'd 18 Sep 2000. Benin: Djidja, Zou.

6601 [IITA 197] A Cherry. From soil. Rec'd 18 Sep 2000. Benin: Kpassagon, Zou.

Metarhizium flavoviride* var. *novazealandicum Driver, Milner & Trueman
[Sordariomycetes: Hypocreales]
Clavicipitaceae

8214 [CSIRO FI-0702] Larva, [Lepidoptera: Crambidae]. 8 Oct 1990. New Zealand: Christchurch, South Island.

8750 [CSIRO FI-1124] Isolated from soil sample. 26 May 1994. Australia: Macquarie Island, Tasmania.

Metarhizium flavoviride* var. *pemphigum Driver, Milner & Trueman
[Sordariomycetes: Hypocreales]
Clavicipitaceae

6569 D Chandler (HRI 99.82). *Pemphigus trehernei* [Homoptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom: coastal salt marshes, Norfolk, England.

7491 [CSIRO FI-1101] *Pemphigus* sp. [Homoptera: Aphididae]. 12 May 1994. United Kingdom: Norfolk, England.

9358 T Myles (Guelph RF-08a). *Reticulitermes flavipes* [Isoptera: Rhinotermitidae]. Summer 2008. Canada: Woolwich Termite Management Area (sector 7), Guelph, Ontario.

Metarhizium frigidum Bischoff & Rehner in Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Clavicipitaceae. See Mycologia 98: 737-745 (2006)

4124 [DAT 1] AC Rath (F001) ← Reinganum (124). Larva, *Adoryphorus* sp. [Coleoptera: Scarabaeidae]. 10 Jun 1994. Australia: Ballarat, Victoria. 'Ex type' isolate.

4219 [DAT 175] AC Rath (F175) ← H Yip (HY186). Soil. 5 Oct 1988. Australia: Gardners Bay, Tasmania.

4277 [DAT 234] AC Rath (F234) ← H Yip (HY127). Soil. 11 Aug 1988. Australia: Interlaken, Interlaken, Tasmania.

4294 [DAT 281] AC Rath (F281) ← H Yip (HY79). Soil. Rec'd 6 Jun 1994. Australia: Benham, Avoca.

4561 [DAT 385] AC Rath (F385) ← H Yip (HY245). Soil. 1989. Australia: Liawenee, Tasmania.

4680 [DAT 176] AC Rath (F176) ← H Yip (HY185). Soil. 5 Oct 1988. Australia: Cygnet, Tasmania.

4765 [DAT 412] AC Rath (F412) ← H Yip (HY272). Soil. 3 Nov 1988. Australia: Stonehouse, Tasmania.

7436 [CSIRO FI-0733] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Mound F (F5). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

7437 [CSIRO FI-0737] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound F (F17). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

7438 [CSIRO FI-0746] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound F (F11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

7439 [CSIRO FI-0747] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound F (F 11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

7440 [CSIRO FI-0748] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Mound G (G3). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

7441 [CSIRO FI-0758] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound G (G17). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

7442 [CSIRO FI-0761] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound G (G15). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

7443 [CSIRO FI-0764] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound G (G14). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

7444 [CSIRO FI-0776] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound I (I12). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

7445 [CSIRO FI-0777] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound I (I18). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

7446 [CSIRO FI-0783] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound H (H16). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

7447 [CSIRO FI-0785] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Soil around mound J (J11). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

7448 [CSIRO FI-0793] *Coptotermes lacteus* [Isoptera: Rhinotermitidae] Mound I (I1). 9 Jan 1991. Australia: Tallaganda State Forest, Parkers Gap, New South Wales.

Metarhizium globosum JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Recognized as part of an emergent genomic reclassification by Bischoff et al. (2009).

2596 RC Rajak (ENT/12). *Pyrausta machaeralis* [Lepidoptera: Pyralidae] on teak, *Tectona grandis*. Acc'd 12 Sep 1988. India. Ex-type isolate used to typify this species.

Metarhizium guizhouense QT Chen & HL Guo
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Segregated from the *M. anisopliae* species complex as part of genomic reclassification of Bischoff et al. (2009). Synonym: *M. taii* ZQ Liang & AY Liu. Teleomorph: *Cordyceps taii* ZQ Liang & AY Liu.

683 [QEC 433.0] DW Roberts (102381-9). Larva, [Coleoptera: Scarabaeidae] in sugar cane. 23 Oct 1981. PR China: Guanzhou, Kwon Tung.

703 RS Soper. *Bombyx mori* [Lepidoptera: Bombycidae]. 11 Nov 1981. PR China: Hangzhou, Zhijiang.

819 GG Soares (21) ← JP Aeschlimann. 5th instar larva, *Sitona discoideus* [Coleoptera: Curculionidae]. 29 Mar 1982. France: Montpellier, Hérault.

977 [GCRI 134-82] RA Hall ← A Vey. *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Acc'd 17 Oct 1983. France.

1092 DW Roberts ← K Kawakami (621). Soil. 22 Aug 1983. Japan.

1093 DW Roberts ← K Kawakami (773). Soil. 1982. Japan.

2140 T Searle (N). Larva, [Lepidoptera: Noctuidae]. Jul 1985. Canada: Southern Québec.

3603 IMI (152222) ← Deshpande. *Myllocerus discolor* [Coleoptera: Curculionidae]. Rec'd 26 Feb 1992. India: Mudigere.

3611 [CSIRO FI 1033] IMI (I91-633). *Pseudosphingonotus savignyi* [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Oman.

4153 [DAT 148] AC Rath (F148) ← H Yip (HY213). Soil. 26 Oct 1988. Australia: Bracknell, Tasmania.

4303 [DAT 278] AC Rath (F278) ← H Yip (HY82). Soil. Rec'd 6 Jun 1994. Australia: Campbelltown, Tasmania.

4321 [DAT 375] AC Rath (F375) ← H Yip (HY235). Soil. Rec'd 6 Jun 1994. Australia: Cleveland, Tasmania.

4588 [DAT 47] AC Rath (F047) ← RJ Milner (FI123). Host not specified. 20 Oct 1987. Australia: New South Wales.

4604 [DAT 473] AC Rath (F473) ← W Theunis (PNG 1). *Papuana woodlarkiana* [Coleoptera: Scarabaeidae]. 22 Jun 1993. Papau New Guinea: Lae, Morobe Province.

5714 JM Sung. Rec'd 11 May 1998.

6238 [RCEF 0262] Pupa, [Lepidoptera]. 30 Jun 1996. PR China: Anhui.

7420 [CSIRO FI-0327] Larva, [Diptera: Stratiomyidae]. 20 Jan 1989. Australia: Walkers Point, Queensland.

7502 CSIRO (FI-1417). AMMRL 154.03. 5 Jun 2000. Australia: Royal North Shore Hospital, St. Leonards, New South Wales.

7507 [CSIRO FI-1469] Isolated from soil sample 6E-1. 12 May 2003. Republic of Kiribati.

Metarhizium lepidiotae (Driver & Milner) JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Synonym: *M. anisopliae* var. *lepidiotae* Driver et al. (2000; as var. *lepidiotum*). Placement of isolates here has been confirmed under the genomic reclassification of Bischoff et al. (2009).

4154 [DAT 151] AC Rath (F151) ← H Yip (HY210). Soil. 26 Oct 1988. Australia: Deloraine, Tasmania.

4587 [DAT 476] AC Rath (F476) ← W Theunis (PNG 3B). *Papuana* or cicada. 22 Jun 1993. Papua New Guinea.

4660 [DAT 475] AC Rath (F475) ← W Theunis (PNG 2B). *Papuana* or cicada. 22 Jun 1993. Papau New Guinea: Lae, Morobe Province.

7412 [CSIRO FI-0152] *Lepidiota consobrina* [Coleoptera: Scarabaeidae]. 17 Jun 1986. Australia: Mossman, Queensland.

7488 [ARSEF 7453; CSIRO FI-1042] *Dermolepida albohirtum* [Coleoptera: Scarabaeidae]. 5 Mar 1994. Australia: Tully, Queensland. Ex-type isolate used by Driver et al. (2000) to describe *Metarhiziun anisopliae* var. *lepidiotae*.

Metarhizium majus (JR Johnston) JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Synonym: *M. anisopliae* var. *majus* (JR Johnston) MC Tulloch. Placement of isolates here has been confirmed under the genomic classification of Bischoff et al. (2009).

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473 [DAR 28052; QEC 429.0] J Walker ← G Johnson. Soil under *Eucalyptus* sp. Jan 1973. Australia: Canberra, Australian Capital Territory.

978 [GCRI 148-82] RA Hall ← A Vey. *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. Acc'd 17 Oct 1983. France.

1015 J Aoki (Met. 4) ← T Kushida. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Hachioji, Tokyo Prefecture.

1858 DW Roberts (Pol-42). [Coleoptera: Scarabaeidae]. Acc'd 19 Mar 1985. Poland.

1859 DW Roberts (Pol-32). [Coleoptera: Scarabaeidae]. Acc'd 19 Mar 1985. Poland.

1914 MC Rombach. Larva, *Oryctes* sp. [Coleoptera: Scarabaeidae]. Apr 1985. Philippines: nr. Tiaong Experimental Station, Quezon. Ex-epitype isolate for this species.

1946 MC Rombach (MMQ). *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. Acc'd 11 Sep 1985. Philippines: Tiaong Experimental Station, Quezon.

2808 GW Riethmacher (B16m). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 22 May 1989. Philippines: Atimonan, Quezon.

4566 [DAT 514] AC Rath (F514). Larva, *Anoplognathus* sp. [Coleoptera: Scarabaeidae]. 10 Mar 1994. Australia: Leighlands, New England, New South Wales.

4601 [DAT 515] AC Rath (F515). Larva, *Anoplognathus* sp. [Coleoptera: Scarabaeidae]. 10 Mar 1994. Australia: Glen Innes, New South Wales.

7505 [CSIRO FI-1449] *Anoplognathus* sp. [Coleoptera: Scarabaeidae]. 12 Jun 2001. Australia: Northern Queensland, Queensland.

Metarhizium pingshaense QT Chen & HL Guo
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Genomically confirmed and distinguished from *M. anisopliae* by the reclassification of Bischoff et al. (2009).

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436 SJ Gagen (2). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Hexham, Victoria.

437 SJ Gagen (3). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia.

439 SJ Gagen (5). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Byaduck, Victoria.

443 SJ Gagen (9). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Camperdown, Victoria.

444 SJ Gagen (10). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Byaduck, Victoria.

446 SJ Gagen (12). *Teleogryllus commodus* [Orthoptera: Gryllidae]. Rec'd 11 Mar 1980. Australia: Mortlake, Victoria.

538 DW Roberts. *Oryctes rhinoceros* [Coleoptera: Scarabaeidae]. 20 Aug 1980. Thailand.

552 DW Roberts ← MA Naves. *Galactica* sp. [Lepidoptera]. Nov 1980. Brazil: Brasília, Distrito Federal.

576 [QEC 427.0] RS Soper (8133-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 3 Mar 1981. Indonesia: insect rearings, Maros Research Center, Maros, Sulawesi Selatan, Celebes.

588 [QEC 431.0] JM Lenné (E1). Soil. Rec'd 13 Apr 1981. Colombia: Espinal, Tolima.

712 DW Roberts. 7 May 1981. PR China.

1009 J Aoki (Met. 5) ← K Kojo. *Ornebius kanetataki* [Orthoptera: Gryllidae]. Jul 1976. Japan: Fuchu, Tokyo Prefecture.

1011 J Aoki (Met. 8). Soil. Aug 1982. Japan: Fuchu, Tokyo Prefecture.

1448 [CNPAF 83-12-27; CP 122] E Ferreira. *Scaptores castanea* [Hemiptera: Cydnidae]. 27 Dec 1983. Brazil: Goiatuba, Goiás.

1545 MC Rombach (Ma Pal.II). Adult, *Scotinophara coarctata* [Hemiptera: Pentatomidae] on rice. Jun 1984. Philippines: Brooke's Point region, Palawan.

1724 DW Roberts (29103) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.

1725 DW Roberts (291017) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Paddy Breeding Station, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.

1729 DW Roberts (2910B) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 29 Oct 1984. India: greenhouse, Tamil Nadu Ag. Univ., Coimbatore, Tamil Nadu.

2043 MC Rombach (061185-1). *Nephotettix cincticeps* [Homoptera: Cicadellidae]. 6 Nov 1985. Philippines: IRRI field, Los Baños, Manila.

2106 DG Holdom (100286-3). *Nephotettix virescens* [Homoptera: Cicadellidae]. 10 Feb 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2162 BN Muthappa (PNG 12721). Larva, [Coleoptera: Scarabaeidae]. Rec'd 12 May 1986. Papua New Guinea.

2231 K Narayanan (7). *Zygogramma bicolorata* [Coleoptera: Chrysomelidae]. Rec'd 27 Aug 1986. India.

2735 GW Riethmacher (Ma1). *Spodoptera* sp. [Lepidoptera: Noctuidae]. 29 Dec 1988. Philippines: La Trinidad, Benguet.

2809 GW Riethmacher (B17b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 5 Jun 1989. Philippines: La Trinidad, Benguet.

3044 WE Jones (WSP). Soil from sweet potato crop. Mar 1990. USA: Oahu, Hawaii.

3180 GW Riethmacher (B34). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 1 Mar 1990. Philippines: Louisiana, Laguna.

3193 GW Riethmacher (B45b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 28 May 1990. Philippines: Villiasis, Pangasinan.

3210 RC Rajak (49). [Coleoptera]. Rec'd 3 Jun 1991. India.

3604 IMI (298059). *Scapanes australis* [Coleoptera: Scarabaeidae]. Rec'd 26 Feb 1992. Papua New Guinea.

3610 [CSIRO FI 208] IMI (I91-625). *Pseudosphingonotus savignyi* [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. Oman.

4342 [DAT 491] AC Rath (F491) ← W Theunis (SOL IS 15). Larva(L3), [Coleoptera]. Rec'd 6 Jun 1994. Solomon Islands.

4366 LA Lacey (94116). Soil Galleria bait. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.

4610 [DAT 480] AC Rath (F480) ← W Theunis (SOL IS 4). Pupa, [Coleoptera]. 22 Jun 1993. Solomon Islands.

5197 M Browning ← RA LeBrun ← CW McCoy (Mada). *Diaprepes abbreviata* [Coleoptera: Curculionidae]. Rec'd 20 May 1996. USA: Florida.

7410 [CSIRO FI-0114] *Antitrogus parvulus* [Coleoptera: Scarabaeidae]. 30 Oct 1985. Australia: The Hummock, Bundaberg, Queensland.

7414 [CSIRO FI-0203] Larva, [Diptera: Stratiomyidae]. 17 Feb 1987. Australia: Hapsberg, Firran, New South Wales.

7415 [CSIRO FI-0206] *Phaulacridium vittatum* [Orthoptera: Acrididae]. Spring 1987. Australia: Gininderra Experiment Station, Gininderra, New South Wales.

7416 [CSIRO FI-0208] *Phaulacridium vittatum* [Orthoptera: Acrididae]. Spring 1987. Australia: Gininderra Experiment Station, Gininderra, New South Wales.

7417 [CSIRO FI-0295] *Antitrogus mussoni* [Coleoptera: Scarabaeidae]. 13 Oct 1988. Australia: Bundaberg, Queensland.

7421 [CSIRO FI-0328] Larva, [Diptera: Stratiomyidae]. 2 Jan 1989. Australia: monitoring site, Walkers Point, Queensland.

7422 [CSIRO FI-0330] Larva, [Diptera: Stratiomyidae]. 2 Jan 1989. Australia: Fairymead, Queensland.

7425 [CSIRO FI-0379] Larva, [Diptera: Stratiomyidae]. 28 Mar 1989. Australia: S. Lines, South Kolan, Queensland.

7429 [CSIRO FI-0516] Larva, [Diptera: Stratiomyidae]. 28 Jun 1989. Australia: pupation site, Sommerfield, Queensland.

7431 [CSIRO FI-0550] *Coptotermes lacteus* [Isoptera: Rhinotermitidae]. 20 Dec 1989. Laboratory isolation.

7435 [CSIRO FI-0700] *Costelytra zealandica* [Coleoptera: Scarabaeidae]. 8 Oct 1990. New Zealand: South Island.

7929 [CSIRO FI-0375] *Cryptotermes brevis* [Isoptera: Kalotermitidae]. 10 Mar 1989. BM cultures.

8420 AE Hajek (WU19). Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. 25 Jul 2000. PR China: Wuhe, Anhui.

Metarhizium robertsii JF Bischoff, SA Rehner & Humber
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Segregated from *M. anisopliae* as part of a genomic reclassification by Bischoff et al. (2009). A complete genomic sequence of ARSEF 8820 (a single-spored reisolate of ARSEF 2575) is being compiled.

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23 RS Soper (F84-1-1) ← RL Rabb. *Conoderus* sp. [Coleoptera: Elateridae]. 1961. USA: North Carolina.

724 [CNPAF 82-2-15-04; CP 25] RA Daoust. *Cerotoma arcuata* [Coleoptera: Chrysomelidae]. Feb 1982. Brazil: CNPAF, Goiânia, Goiás.

727 [CABI 351805; CNPAF 82-2-2-01; CP 21] RA Daoust ← Y Tanaka. [Orthoptera: Tettigoniidae]. 2 Feb 1982. Brazil: CNPAF, Goiânia, Goiás.

797 DA Rodriguez Sierra. Larva, *Ancognatha scarabaeoides* [Coleoptera: Scarabaeidae]. Jun 1981. Colombia: Madrid, Cundinamarca.

1046 J Aoki (Met. 6) ← K Yanase. *Popillia japonica* [Coleoptera: Scarabaeidae]. Jul 1977. Japan: Fuchu, Tokyo Prefecture.

1057 [CNPS 30A] F Moscardi. Larva, *Chlosyne lacinia saundersii* [Lepidoptera: Nymphalidae]. 1983. Brazil: Londrina, Paraná.

1120 KV Deseö (72). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. Oct 1982. Italy: Modena, Emilia-Romagna.

1298 DW Roberts (MaT3JB-B) or (single spore isolate #9). *Popillia japonica* [Coleoptera: Scarabaeidae]. Feb 1978. USA: Clinton Corners, New York.

1878 DW Roberts (MaT3JB-A). *Popillia japonica* [Coleoptera: Scarabaeidae]. 1978. USA: Clinton Corners, New York.

1897 DW Roberts (V-14 (F84 mutant)). *Conoderus* sp. [Coleoptera: Elateridae]. Acc'd 11 Jun 1985. USA: California.

1910 DW Roberts ← S Keller (Ma52(S4)). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Acc'd 18 Jun 1985. Germany.

1952 [CNPAF 85-7-21; CP 177] SM dos Santos. *?Cirtonemus* sp. [Hemiptera: Cydnidae]. 27 Jul 1985. Brazil: Goiânia, Goiás.

1968 DR Smitley. *Strigoderma arboricola* [Coleoptera: Scarabaeidae]. Aug 1985. USA: East Lansing, Michigan.

2134 T Searle (E). *Phyllophaga ?anxia* [Coleoptera: Scarabaeidae]. Jul 1985. Canada: Southern Québec.

2469 JK Liebherr. Larva, [Coleoptera: Carabidae]. 24 Aug 1987. Mexico: 10.5 km S of Amecameca, Tepetlixpa, Mexico.

2514 [CP 236B] SM dos Santos. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Oct 1986. Brazil: CNPAF, Goiânia, Goiás.

2547 SV Krueger ← FL Consolie and MG Villani. *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Oct 1987. USA: Syracuse, New York.

2560 [CP 232] SB Alves (SPL-54A). *Atta sexdens rubropilosa* [Hymenoptera: Formicidae]. Acc'd 13 Apr 1988. Brazil: Piracicaba, São Paulo.

2561 [CP 233] SB Alves (507). *Solenopsis* sp. [Hymenoptera: Formicidae]. Acc'd Apr 1988. Brazil: Piracicaba, São Paulo.

2575 [ATCC MYA-3093; IMI I91-613] RJ St. Leger (ME-1) ← Tate and Lyle Ltd (Batch No. B1830). *Curculio caryae* [Coleoptera: Curculionidae]. Acc'd 21 Jul 1988. USA: South Carolina. Ex-type culture; a complete genomic sequencing is being obtained for a single-spored reisolate (ARSEF 8820) of this isolate.

2981 T Searle (CWMA). Larva, *Listronotus oregonensis* [Coleoptera: Curculionidae]. 1988. Canada: Saint-Jean, Québec.

2982 T Searle (PAMA). External parasite on *Phyllophaga anxia* [Coleoptera: Scarabaeidae] larva. 1987. Canada: Québec.

3043 WE Jones (FLS). Soil from lettuce crop. Mar 1990. USA: Island of Hawaii, Hawaii.

3108 SV Krueger (MaEC1). *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.

3211 SV Krueger (MaEC2). *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Nov 1989. USA: Syracuse, New York.

3388 I Majchrowicz (3a). *Tribolium castaneum* [Coleoptera: Tenebrionidae] on asparagus. 16 Jul 1991. USA: Orchard Farm, Yakima, Washington.

3540 M Brownbridge (B-2). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 29 Nov 1991. USA: oak stand, Leddy Park, Chittenden County, Vermont.

3608 [ARSEF 2575] IMI (I91-613) ← RJ St. Leger (ME-1) ← Tate and Lyle Ltd (Batch No. B1830). *Curculio caryae* [Coleoptera: Curculionidae]. Rec'd 26 Feb 1992. USA.

3721 RA LeBrun ← J Hanula. Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 3 Jun 1991. USA: Clinton, Connecticut.

3925 DR Sosa-Gómez (CNPSo-Ma60). [Homoptera: Cicadidae]. 19 Feb 1992. Argentina: San Miguel de Tucumán, Tucumán.

4123 [ARSEF 2547] L Marold (ARSEF2547). *Rhizotrogus majalis* [Coleoptera: Scarabaeidae]. Rec'd 2 May 1994. USA: Syracuse, New York. Replaces ARSEF 2547.

4227 [DAT 37] AC Rath (F037). Soil. 1987. Australia: Woodbury, Tasmania.

4241 [DAT 46] AC Rath (F046) ← RJ Milner (Fl122). Host not specified. 20 Oct 1987. Australia: New South Wales.

4621 [DAT 44] AC Rath (F044) ← RJ Milner (Fl120). Host not specified. 20 Oct 1987. Australia: New South Wales.

4628 [DAT 152] AC Rath (F152) ← H Yip (HY209). Soil. 26 Oct 1988. Australia: Campbelltown, Tasmania.

4739 [DAT 298] AC Rath (F298) ← H Yip (HY61). Soil. 29 Feb 1988. Australia: Rosehill, Jericho, Tasmania.

4903 LA Lacey (95005). *Galleria mellonella* [Lepidoptera: Pyralidae] Used as bait. Feb 1995. Portugal: Terceira Island, Azores.

4919 LA Lacey (95021). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.

5149 DL Hostetter (T100) ← IOB Armas. Larva, *Popillia japonica* [Coleoptera: Scarabaeidae] soil, pasture. 23 Jan 1996. Portugal: Terceira Island, Azores.

5873 FE Vega (EBCL 97095). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 22 Aug 1997. Romania: Voronetz.

6472 SR Grugel. *Dectes texanus* [Coleoptera: Cerambycidae]. 3 Nov 1998. USA: Goodland, Kansas.

6476 I Klingen (EFF.99). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Sep 1999. Norway: Effeløt.

6755 GUL Braga and DW Roberts (DWR 62). 3 Sep 1999. USA: Utah State University, Departmrnt of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 2575 following UV-B exposure.

6841 GUL Braga and DW Roberts (DWR 59). 19 Sep 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.

6842 GUL Braga and DW Roberts (DWR 60). 9 Jun 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 2575 following UV-B exposure.

6843 GUL Braga and DW Roberts (DWR 61). 24 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.

6844 GUL Braga and DW Roberts (DWR 62). 3 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 2575 following UV-B exposure.

6845 GUL Braga and DW Roberts (DWR 63). 6 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.

6846 GUL Braga and DW Roberts (DWR 64). 6 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.

6847 GUL Braga and DW Roberts (DWR 65). 11 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (light green) obtained from ARSEF 2575 following UV-B exposure.

6848 GUL Braga and DW Roberts (DWR 66). 6 Sep 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.

6864 GUL Braga and DW Roberts (DWR 172). 8 Nov 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 2575 following UV-B exposure.

6865 GUL Braga and DW Roberts (DWR 173). 7 Nov 2000. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 2575 following UV-B exposure.

7413 [CSIRO FI-0163] *Kalotermes* sp. [Isoptera: Kalotermitidae]. 18 Nov 1986. Australia: Sydney University, Sydney, New South Wales.

7424 [CSIRO FI-0358] Larva, *Heteronychus arator* [Coleoptera: Scarabaeidae]. 8 Feb 1989. Australia: Busselton, Western Australia.

7449 [CSIRO FI-0911] *Heteronyx* sp. [Coleoptera: Scarabaeidae]. 23 Jun 1992. Australia: Queensland.

7501 CSIRO (FI-1416). AMMRL 154.02. 5 Jun 2000. Australia: Royal North Shore Hospital, St. Leonards, New South Wales.

8321 AC Churchill (ARSEF 2575 SS1). 11 Dec 2000. USA: USDA ARS Plant Protection Research Unit, Ithaca, New York. Single spore reisolate of ARSEF 2575 passed through *Spodoptera exigua* Hübner, beet armyworm.

8322 AC Churchill (ARSEF 2575 SS2). 11 Dec 2000. USA: USDA ARS Plant Protection Research Unit, Ithaca, New York. Single spore reisolate of ARSEF 2575 passed through *Spodoptera exigua* Hübner, beet armyworm.

8820 BD Donzelli (SS#1). 14 Oct 2008. Laboratory isolation. A complete genomic sequence is being obtained from this single-spore re-isolate of ARSEF 2575.

9607 T Myles (Guelph-RF-08b). *Reticulitermes flavipes* [Isoptera: Rhinotermitidae]. Rec'd 16 Mar 2010. Canada: Guelph, Ontario.

10000 DW Roberts (DWR 1997). Isolated from soil sample SS 10655. 11 Jun 2008. USA: Elko County, Nevada. N 41.30356, W 116.2446.

Metarhizium taii ZQ Liang & AY Liu
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Species remaining here need to be confirmed genomically for placement, presumably, in *M. guizhouense.*

6750 GUL Braga and DW Roberts (DWR 04). 13 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (yellow) obtained from ARSEF 5714 following UV-B exposure.

6751 GUL Braga and DW Roberts (DWR 05). 13 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 5714 following UV-B exposure.

6752 GUL Braga and DW Roberts (DWR 06). 13 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 5714 following UV-B exposure.

6753 GUL Braga and DW Roberts (DWR 09). 23 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 5714 following UV-B exposure.

6754 GUL Braga and DW Roberts (DWR 10). 23 Mar 1999. USA: Utah State University, Department of Biology, Logan, Utah. Color mutant (violet) obtained from ARSEF 5714 following UV-B exposure.

Microhilum oncoperae Yip & Rath
[Sordariomycetes: Hypocreales]

Cordycipitaceae

4358 [DAT 424] AC Rath (F424) ← Harradine. Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. Rec'd 6 Jun 1994. Australia: Melton Vale, York Plains, Tasmania.

4769 [DAT 420] AC Rath (F420). *Oncopera intricata* [Lepidoptera: Hepialidae]. Acc'd 20 Jul 1989. Australia: Rosehill, Jericho, Tasmania. Appears contaminated with a possible Fusarium sp.

4770 [DAT 421] AC Rath (F421). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 20 Jul 1989. Australia: Rosehill, Jericho, Tasmania.

4771 [DAT 422] AC Rath (F422). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 20 Sep 1989. Australia: Jericho, Tasmania.

***Mixed Culture* sp.**

The two members in these mixed cultures have not been successfully separated.

1043 J Aoki (Paec. 1). *Pyrrhalta fuscipennis* [Coleoptera: Chrysomelidae]. May 1973. Japan: Towada City, Aomori Prefecture. Single Spore Isolation attempted 8vi95. Mixture of PAESP @ VERTSP.

2738 GW Riethmacher (B4). *Corcyra cephalonica* [Lepidoptera: Pyralidae] after soil passage. 17 Jan 1989. Philippines: La Trinidad, Benguet. Contains *Paecilomyces fumosoroseus.*

2740 GW Riethmacher (T6.1). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 22 Dec 1988. Philippines: La Trinidad, Benguet. Contains *Verticillium* sp. & *Fusarium* sp.

2810 GW Riethmacher (B18b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 9 Jun 1989. Philippines: La Trinidad, Benguet. Contains *Lecanicillium* sp. & *Tolypocladium niveum.*

3178 GW Riethmacher (B31). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 6 Feb 1990. Philippines: La Trinidad, Benguet.

3182 GW Riethmacher (B37b). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 12 Mar 1990. Philippines: Plaridel, Quezon. Contains *Verticillium* sp. and *Penicillium* sp.

3472 CENARGEN (CG 307). Soil. 1990. Brazil: Goiás. Contains *B. bassiana* and *P. ?farinosus.*

4066 T Steenberg (BT5). *Bemisia tabaci* [Homoptera: Aleyrodidae] Tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand. Mixed culture: V. lecanii + (??)Phialophora sp.

4145 [DAT 81] AC Rath (F081). Soil. 1988. Australia: Glen Morey, Woodbury, Tasmania.

4245 [DAT 184] AC Rath (F184) ← H Yip (HY177). Soil. 26 Sep 1988. Australia: St Mary's, Tasmania.

4260 [DAT 250] AC Rath (F250) ← H Yip (HY111). Soil. 8 Jul 1988. Australia: Sorell, Tasmania.

4387 LA Lacey (94138). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou. Paecilomyces fumosoroseus and Beauveria brongniartii.

4403 LA Lacey (94063). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla. Paecilomyces fumosoroseus and Beauveria bassiana.

5188 S Gouli (GA-98). [Coleoptera: Lampyridae]. 26 May 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.

Moelleriella zhongdongii (M Liu & KT Hodge) M Liu & Chaverri
[Sordariomycetes: Hypocreales]

Clavicipitaceae. Basionym: *Hypocrella zhongdongii* Liu & Hodge

8800 M Tadych. On *Piper multiplinervium* C. DC and on leaves of unidentified dicot. 13 Feb 2007. Costa Rica: OTS La Selva Biological Station, Sarapiquí, Heredia. Along the Camino Experimental Sur and Sendero Chanchera trails.

Monacrosporium cionopagum (Drechsler) Subramanian
[Orbiliomycetes: Orbiliales]

Orbiliaceae

3349 BA Jaffee (G20) ← J Gaspard. Phylum Nemata, Class Secernentea. Rec'd 9 Sep 1991. USA: California.

4943 BA Jaffee (MC127). Used as bait., *Steinernema glaseri* Soil dilution or soil sprinkle plate. 1994. Laboratory manipulation: Single spore isolate. Adhesive branches.

4966 N Viaene (39). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae]. 1993. USA: greenhouse nematode culture, New York.

Monacrosporium doedycoides (Dreschler) Cooke & Dickinson
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4944 BA Jaffee (CR146). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994. Location not specified. Single spore isolate.

Monacrosporium elegans Oudemans
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4805 [CBS 301.94] A Rubner (AR 9338). From sheep dung. 10 Oct 1993. Germany: Lebus, Brandenburg.

4807 [CBS 299.94] A Rubner (AR 9229). From soil of a laurel woods. 1989. Spain: Las Mercedes, Tenerife, Canary Islands.

4810 [CBS 300.94] A Rubner (AR 9232). From moss cushion. 1992. Germany: Berlin-Dahlem, Berlin.

Monacrosporium ellipsosporum (Grove) RC Cooke & CH Dickinson
[Orbiliomycetes: Orbiliale]
Orbiliaceae

3348 BA Jaffee ← J Gaspard. Phylum Nemata, Class Secernentea. Rec'd 9 Sep 1991. USA: California.

3723 KT Hodge (10). Decorticated wood. Rec'd 18 May 1992. Location not specified.

3731 BA Jaffee (MK100a). Rec'd 1 Jun 1992. USA: Merced County, California.

4803 [CBS 303.94] A Rubner (AR 9212). From dead wood. 18 May 1992. Germany: Kronwald, Mecklenburg, Rostock.

4957 N Viaene (8). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae] soil. 25 Sep 1992. USA: Sheldon onion field, Oswego, New York.

4959 N Viaene (10). Juvenile-2, *Meloidogyne hapla* [Tylenchida: Heteroderidae] Elba muck. 13 Jul 1992. USA: Elba, New York.

5702 BA Jaffee (AK172). From soilMar 1998. USA: Lange Vineyard near Lodi, San Joaquin County, California.

Monacrosporium eudematum Drechsler
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4945 BA Jaffee (AN133). Used as bait., *Steinernema glaseri* Soil dilution or Soil sprinkle plate. 1994. Laboratory manipulation: Single spore isolate.. Three dimensional, adhesive networks.

Monacrosporium parvicolle (Drechsler) RC Cooke & CH Dickinson
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4946 BA Jaffee (AK147). Used as bait., *Steinernema glaseri* Soil dilution or Soil sprinkle plate. 1994. Laboratory manipulation: Single spore isolate. Adhesive knots.

Monacrosporium psychrophilum (Drechsler) RC Cooke & Dickinson
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4813 [CBS 318.94] A Rubner (AR 938). From soil. 6 Mar 1993. Ecuador.

Monacrosporium thaumasium (Drechsler) de Hoog & van Oorschot
[Orbiliomycetes: Orbiliales]
Orbiliaceae

4802 [CBS 320.94] A Rubner (AR 9126). From soil. Apr 1991. Thailand.

4806 [CBS 321.94] A Rubner (AR 9137). From soil of warm greenhouse. 30 Aug 1991. Germany: Botanical Garden, Berlin-Dahlem, Berlin.

Mortierella histoplasmatoides W Gams
[Mucormycotina: Mucorales]
Mortierellaceae. 1991. Boletus 15(2): 35-36.

2063 [CBS] GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Mortierella hyalina (Harz) W Gams
[Mucormycotina: Mucorales]
Mortierellaceae

2061 [ATCC 64258] GC Carroll (RSRS-0/62). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Mucor circinelloides van Tieghem
[Mucormycotina: Mucorales]
Mucoraceae

6470 LS Bauer (2UIC2463). Larva, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] from laboratory colony, USDA Forest Service, NCRS. Rec'd 19 Feb 2000. USA: East Lansing, Michigan.

Mucor sp.
[Mucormycotina: Mucorales]
Mucoraceae

3535 J Hernández Ramírez (1). *Zulia vilior costarricensis* [Homoptera: Cercopidae]. Rec'd 23 Jan 1992. Costa Rica.

***Myriangium* sp.**
[Dothideomycetes: Myriangiales]

9915 [ERL 1748] S Gouli (HWA-G-26) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

9916 [ERL 1749] S Gouli and V Gouli (HWA-G-27). *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

9917 [ERL 1750] S Gouli (HWA-G-28) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

9918 [ERL 1751] S Gouli and V Gouli (HWA-G-29). *Adelges tsugae* [Homoptera: Adelgidae]. Winter 2009. USA: New Hampshire.

9919 [ERL 1752] S Gouli (HWA-G-30) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

Myriangium duriaei Mont. & Berk.
[Dothideomycetes: Myriangiales]

8924 [ERL 1533] VS Gouli (EHS). *Fiorinia externa* [Homoptera: Diaspididae]. 2005. USA: New York.

8925 [ERL 1538] S Gouli (EHS). *Fiorinia externa* [Homoptera: Diaspididae]. 2006. USA: New York.

Myriodontium keratinophilum Samson & Polonelli
[Eurotiomycetes: Onygenales]

368 [ARSEF 386] BA Federici ← PS Tsao. *Porcellio* sp. [Isopoda: Oniscoidea]. Acc'd 27 Jul 1979. USA: Riverside, California.

386 [ARSEF 368] BA Federici ← PS Tsao. *Porcellio* sp. [Isopoda: Oniscoidea]. Acc'd 18 Oct 1979. USA: Riverside, California.

***Myrothecium* sp.**
[Sordariomycetes: Hypocreales]

7804 L Erickson and CA Fuller (#6b V29UP all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Lameshur Bay, Saint John, Virgin Islands.

Myrothecium verrucaria (Albertini & Schweinitz) Ditmar
[Sordariomycetes: Hypocreales]

2741 GW Riethmacher (T11). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 18 Dec 1988. Philippines: La Trinidad, Benguet.

7757 [ATCC 9095; CBS 328.52; IMI 045541] From deteriorated baled cotton. 1940. USA: Washington, District of Columbia. Patented, commercialized strain (Preceptrol).

9359 [ERL 1645] S Gouli (SVG-09/2) and V Gouli. *Tipula* sp. [Diptera: Tipulidae]. 2009. USA: Vermont.

***Nematoctonus* sp.**
[Agaricomycetes: Agaricales]
Pleurotaceae

3351 P Timper ← BA Jaffee. Phylum Nemata, Class Secernentea. Rec'd 19 Jun 1991. USA: California.

5663 SL Glockling. *Bunonema* sp. [Rhabditida: Rhabditidae] from grass cuttings. 10 Jan 1997. Japan.

Nematoctonus concurrens Drechsler
[Agaricomycetes: Agaricales]
Pleurotaceae

4947 BA Jaffee (TOC149). Soil dilution or soil sprinkle plate baited with *Steinernema glaseri*. 1994. Laboratory manipulation.

Nematoctonus leiosporus Drechsler
[Agaricomycetes: Agaricales]
Pleurotaceae

5606 SL Glockling (ND-9). Phylum Nemata from shika dung. 21 Jun 1995. Japan: Nikko, Tochigi Prefecture.

Nematoctonus leptosporus Drechsler
[Agaricomycetes: Agaricales]
Pleurotaceae

5607 SL Glockling (L1). Phylum Nemata from leaf litter. 31 May 1995. Japan.

Neobarya parasitica (Fuckel) R Lowen
[Sordariomycetes: Hypocreales]
Clavicipitaceae

6156 [ATCC 56427] GJ Samuels (83-264). *Bertia moriformis* [Sordariales: Nitschkiaceae]. Rec'd 6 May 1999. New Zealand.

***Neozygites* sp.**
[Entomophthoromycotina: Entomophthorales]
Neozygitaceae. This culture is provided as hyphal bodies in a liquid tissue culture medium. Spores may be induced by plating hyphal bodies on solid media. Taxonomic criteria separating *Neozygites* species from mites are too poorly understood to allow specific identifications.

662 RA Humber ← DR Smitley. *Tetranychus urticae* [Acari: Tetranychidae]. 19 Oct 1981. USA: Raleigh, North Carolina.

Neozygites floridana(?) (Weiser & Muma) Remaudière & S Keller
[Entomophthoromycotina: Entomophthorales]
Neozygitaceae

5201 DW Roberts (1). *Tetranychus urticae* [Acari: Tetranychidae]. Rec'd 6 Jul 1996. USA: Laboratory culture, Ithaca, New York.

5202 DW Roberts (2). *Tetranychus urticae* [Acari: Tetranychidae]. Rec'd 6 Jul 1996. USA: Laboratory culture, Ithaca, New York.

5376 DW Roberts (0). *Tetranychus urticae* [Acari: Tetranychidae]. Rec'd 3 Dec 1996. USA: Laboratory culture, Ithaca, New York.

6219 I Delalibera Junior (AB 10,11). Adult, female, *Mononychellus tanajoa* [Acari: Tetranychidae]. 30 Aug 1997. Brazil: Cruz das Almas, Bahia.

6220 I Delalibera Junior (AC 16). Adult, female, *Mononychellus tanajoa* [Acari: Tetranychidae]. 30 Aug 1997. Brazil: Cruz das Almas, Bahia.

6221 I Delalibera Junior (L 13). Adult, female, *Mononychellus tanajoa* [Acari: Tetranychidae]. 30 Aug 1997. Brazil: Cruz das Almas, Bahia.

Neozygites parvispora (DM MacLeod & KP Carl) Remaudière & S Keller
[Entomophthoromycotina: Entomophthorales]
Neozygitaceae

5620 A Grundschober (301). *Thrips tabaci* [Thysanoptera: Thripidae] on *Allium porrum*. 17 Oct 1996. Switzerland: organic vegetable farm in Winkel, Bülach, Zurich.

5621 A Grundschober (302). *Thrips tabaci* [Thysanoptera: Thripidae] on *Allium porrum*. 17 Oct 1996. Switzerland: organic vegetable farm in Winkel, Bülach, Zurich.

6276 Acc'd 7 Jun 2000.

6277 Acc'd 7 Jun 2000.

6278 Acc'd 7 Jun 2000.

6279 Acc'd 7 Jun 2000.

6280 Acc'd 7 Jun 2000.

Neozygites tetranychi Weiser
[Entomophthoromycotina: Entomophthorales]
Neozygitaceae. This culture is provided as hyphal bodies in a liquid tissue culture medium. Spores may be induced by plating hyphal bodies on solid media. Identification of this species is provisional because of correspondence with the source of the strain and the original description of the species. This species was published without a Latin diagnosis and must still be validated nomenclaturally.

2677 J Weiser. *Tetranychus althaeae* [Acari: Tetranychidae]. 8 Nov 1988. Czech Republic: Dvory n. Zitavou.

***Nomuraea* sp.**
[Sordariomycetes: Hypocreales]
Clavicipitaceae

2413 K Narayanan (15). *Helicoverpa armigera* [Lepidoptera: Noctuidae]. Acc'd 6 May 1987. India.

7851 [SRCAM F-364] V Likhovidov (VL-95-2) ← BA Borisov (B-412). Rec'd 14 Mar 2005.

Nomuraea anemonoides Hocking
[Sordariomycetes: Hypocreales]
Clavicipitaceae

2467 [ATCC 34948; IMI 214110; JI Pitt FRR 1665] UAMH (5301) ← AD Hocking. Soil. 1974. Australia: Blue Mts., New South Wales. CULTURE EX TYPE.

Nomuraea atypicola (Yasuda) Samson
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

1904 MC Rombach (7). [Araneida: ?Argiopidae] on underside of cacao leaves. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

7130 ND Vandersal. 17 May 2003. USA: Sardis Reservoir, Mississippi.

7231 BW Horn. *Nephila clavipes* [Araneida: Tetragnathidae]. Sep 2003. USA: Dawson, Georgia.

7348 M Liu. 18 Aug 2003.

9594 X Zou (1). [Araneida]. Rec'd 19 Jan 2010. PR China: Guangxi Autonomous Region.

Nomuraea cylindrospora (Chen & Guo) Tzean, Hsieh, Chen & Wu
[Sordariomycetes: Hypocreales]
Clavicipitaceae

6926 SS Tzean (PPH 13E). *Pomponia linearis* [Homoptera: Cicadidae]. 1 Jun 1990. Republic of China: Wulai, Taipei, Taiwan.

Nomuraea rileyi (Farlow) Samson
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Early vegetative development of cultures on solid media usually occurs in mucoid colonies of fusoid yeast-like cells: mycelial development should begin after several days. Most strains are observed to sporulate most abundantly on Sabouraud maltose agar + 1% yeast extract.

135 JV Bell. [Lepidoptera: Noctuidae]. Acc'd 11 Nov 1982. USA: Stoneville, Mississippi.

323 RS Soper. *Spodoptera* sp. [Lepidoptera: Noctuidae]. 14 Feb 1979. Australia: Arriga, Queensland.

358 RS Soper. *Spodoptera* sp. [Lepidoptera: Noctuidae]. 26 Feb 1979. Australia: Queensland.

380 [FPMI 753] RS Soper. *Spodoptera* sp. [Lepidoptera: Noctuidae]. 26 Feb 1979. Australia: Queensland.

481 RS Soper (10). *Lymantria* sp. [Lepidoptera: Lymantriidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

482 RS Soper. *Lymantria* sp. [Lepidoptera: Lymantriidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

483 RS Soper. *Lymantria* sp. [Lepidoptera: Lymantriidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

539 DW Roberts ← M Panyarjun. *Spodoptera exigua* [Lepidoptera: Noctuidae]. 26 Aug 1980. Thailand.

558 RS Soper (8133-3). *Sogatella furcifera* [Homoptera: Delphacidae]. 3 Mar 1981. Indonesia: Sigere, Pangkajene, Sulawesi Selatan, Celebes.

711 RS Soper. *Bombyx mori* [Lepidoptera: Bombycidae]. Fall 1981. PR China: Hangzhou, Zhijiang.

762 TA Coudron ← B Puttler. *Plathypena scabra* [Lepidoptera: Noctuidae] on alfalfa. 2 Jul 1982. USA: Columbia, Missouri.

935 [CNPAF 83-2-17-01; CP 74] RA Daoust ← E Ferreira. *Spodoptera* sp. [Lepidoptera: Noctuidae]. 17 Feb 1983. Brazil: CNPAF, Goiânia, Goiás.

936 [CNPAF 83-02-18-01; CP 75] RA Daoust ← SM dos Santos. Larva, [Lepidoptera]. 18 Feb 1983. Brazil: CNPAF, Goiânia, Goiás.

1014 J Aoki (Nom. 2). *Prodenia litura* [Lepidoptera: Noctuidae]. Oct 1978. Japan: Fuchu, Tokyo Prefecture.

1047 [FPMI 754] J Aoki (Nom. 3). *Plusia* sp. [Lepidoptera: Noctuidae]. Jan 1980. Japan: Fuchu, Tokyo Prefecture.

1670 G Riba (NR-11). Acc'd 29 Oct 1984. France.

1671 G Riba (NR-5). Acc'd 29 Oct 1984. France.

1756 MC Rombach ← BM Shepard (NrMin-14). *Rivula atimeta* [Lepidoptera: Noctuidae] on rice. Aug 1984. Philippines: Mindanao.

1757 MC Rombach ← BM Shepard (NrMin-19). *Rivula atimeta* [Lepidoptera: Noctuidae] on rice. Aug 1984. Philippines: Mindanao.

1758 MC Rombach ← BM Shepard (NrMin-1). *Rivula atimeta* [Lepidoptera: Noctuidae] on rice. Aug 1984. Philippines: Mindanao.

1759 MC Rombach ← BM Shepard (NrMin-5). *Rivula atimeta* [Lepidoptera: Noctuidae] on rice. Aug 1984. Philippines: Mindanao.

1760 MC Rombach ← BM Shepard (NrMin-23). *Rivula atimeta* [Lepidoptera: Noctuidae] on rice. Aug 1984. Philippines: Mindanao.

1761 MC Rombach (Nr-B). *Cnaphalocrocis medinalis* [Lepidoptera: Pyralidae]. Aug 1984. Philippines: insectary, IRRI, Los Baños, Manila.

1762 MC Rombach ← G Barrion (Nr-BS). *Mocis frugalis* [Lepidoptera: Noctuidae] on rice. Nov 1984. Philippines: Bangued, Abra.

1879 DW Roberts (090485-3). Larva, [Lepidoptera] on rice. 9 Apr 1985. Solomon Islands: nr. Honiara, Guadalcanal.

1893 MC Rombach (3). Larva, [Lepidoptera] on rice. Acc'd 10 Jun 1985. Solomon Islands: nr. Metapona, Guadalcanal.

1950 [CNPAF 85-06-14; CP 175] JMG Ferraz. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 14 Jun 1985. Brazil: Bragança Paulista, Pará.

1972 [CNPAF 85-7-24-5; CP 192] JC Lord and BP Magalhães. *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 24 Jul 1985. Brazil: Ribeira do Pombal, Bahia.

2013 [ARSEF 2466] CIRPON ← DR Sosa-Gómez. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 1985. Argentina: Tucumán.

2174 MC Rombach (130586-14). *Cnaphalocrocis medinalis* [Lepidoptera: Pyralidae]. 13 May 1986. Philippines: nr. Baybay, Leyte.

2201 LC Piazza ← L da Silva (A285). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Mar 1984. Brazil: Guaiba, Rio Grande do Sul.

2202 LC Piazza ← NM de Barros (A485). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 24 Mar 1985. Brazil: Vacaria, Rio Grande do Sul.

2203 LC Piazza (A86). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 13 Mar 1986. Brazil: Vacaria, Rio Grande do Sul.

2204 LC Piazza ← FM Ellwanger (B86). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 12 Mar 1986. Brazil: Ijuí, Rio Grande do Sul.

2205 LC Piazza ← L Baloch (C86). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 10 Mar 1986. Brazil: Sarandi, Rio Grande do Sul.

2206 LC Piazza ← DN Gassen (D86). *Rachiplusia nu* [Lepidoptera: Noctuidae]. 8 May 1986. Brazil: Passo Fundo, Rio Grande do Sul.

2207 LC Piazza ← DN Gassen (E86). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 25 Apr 1986. Brazil: Santa Rosa, Rio Grande do Sul.

2345 [ARSEF 2390 (never frozen)] MC Rombach (111286-2). *Naranga* sp. [Lepidoptera: Noctuidae] on rice. 11 Dec 1986. Indonesia: nr. Klaten, Jawa Tengah, Java.

2395 MC Rombach (121186-1). *Rivula atimeta* [Lepidoptera: Noctuidae]. 12 Nov 1986. Philippines: IRRI farm, Los Baños, Manila.

2465 TJ Poprawski (8708) ← AJ Nasca (Nr-IY3). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 1986. Argentina: Santiago del Estero.

2466 [ARSEF 2013] TJ Poprawski (8709) ← AJ Nasca (Nr-T2). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 1985. Argentina: Tucumán.

2492 SR Sánchez Peña. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Sep 1986. Mexico: Estacion Manuel, Tamaulipas.

3301 J Gutierrez Samperio (17) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.

3940 DR Sosa-Gómez (CNPSo-NR66) ← JJ Silva. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Rec'd Jun 1993. Brazil: Londrina, Paraná.

4094 LA Lacey (94004). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. Rec'd 28 Mar 1994. Brazil.

5208 C López Lastra (4). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] Soybean crop. 22 Mar 1996. Argentina: Chivilcoy, Buenos Aires.

5209 C López Lastra (5). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] Soybean crop. 7 May 1996. Argentina: Chivilcoy, Buenos Aires.

5210 C López Lastra (6). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] Soybean crop. 18 Apr 1996. Argentina: Chivilcoy, Buenos Aires.

5211 C López Lastra (11). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] Soybean crop. 7 May 1996. Argentina: Chivilcoy, Buenos Aires.

5212 C López Lastra (14). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] Soybean crop. 18 Apr 1996. Argentina: Chivilcoy, Buenos Aires.

6239 [RCEF 0290] *Helicoverpa armigera* [Lepidoptera: Noctuidae]. Rec'd 24 Aug 1999. PR China: Anhui.

6645 KU Devi (GIV). Larva, *Spodoptera litura* [Lepidoptera: Noctuidae]. Mar 2000. India: Peanut fields, Visakhapatnam, Andhra Pradesh.

6732 DR Sosa-Gómez (CNPSo Nr 27). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 22 Jan 1990. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná.

6733 DR Sosa-Gómez (CNPSo Nr 33). 19 Jan 1990. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná.

6734 [ARSEF 3940] DR Sosa-Gómez (CNPSo Nr 66). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jun 1992. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná.

6735 DR Sosa-Gómez (CNPSo Nr 72). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 20 May 1993. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná.

6736 DR Sosa-Gómez (CNPSo Nr 135). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 11 Mar 1998. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná.

6737 DR Sosa-Gómez (CNPSo Nr 166). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6738 DR Sosa-Gómez (CNPSo Nr 167). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6739 DR Sosa-Gómez (CNPSo Nr 168). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6740 DR Sosa-Gómez (CNPSo Nr 169). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6741 DR Sosa-Gómez (CNPSo Nr 170). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6742 DR Sosa-Gómez (CNPSo Nr 171). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 14 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6743 DR Sosa-Gómez (CNPSo Nr 172). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 25 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná.

6744 DR Sosa-Gómez (CNPSo Nr 173). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 25 Jan 2001. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6745 DR Sosa-Gómez (CNPSo Nr 174). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 25 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6746 DR Sosa-Gómez (CNPSo Nr 175). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 25 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6747 DR Sosa-Gómez (CNPSo Nr 176). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 25 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6748 DR Sosa-Gómez (CNPSo Nr 177). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 25 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6749 DR Sosa-Gómez (CNPSo Nr 178). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 25 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6764 DR Sosa-Gómez (CNPSo Nr 179). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 25 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6765 DR Sosa-Gómez (CNPSo Nr 180). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 25 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6766 DR Sosa-Gómez (CNPSo Nr 181). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 28 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6767 DR Sosa-Gómez (CNPSo Nr 182). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 28 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6768 DR Sosa-Gómez (CNPSo Nr 183). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 26 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6769 DR Sosa-Gómez (CNPSo Nr 184). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 26 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6770 DR Sosa-Gómez (CNPSo Nr 185). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 26 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6771 DR Sosa-Gómez (CNPSo Nr 186). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 20 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6772 DR Sosa-Gómez (CNPSo Nr 187). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 28 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6773 DR Sosa-Gómez (CNPSo Nr 189). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 27 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6774 DR Sosa-Gómez (CNPSo Nr 190). *Spodoptera frugiperda* [Lepidoptera: Noctuidae]. 27 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6775 DR Sosa-Gómez (CNPSo Nr 191). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 25 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6776 DR Sosa-Gómez (CNPSo Nr 192). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 28 Jan 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6777 DR Sosa-Gómez (CNPSo Nr 193). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Winter 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6778 DR Sosa-Gómez (CNPSo Nr 194). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6779 DR Sosa-Gómez (CNPSo Nr 195). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6780 DR Sosa-Gómez (CNPSo Nr 196). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6781 DR Sosa-Gómez (CNPSo Nr 197). *Plusiinae* sp. [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6782 DR Sosa-Gómez (CNPSo Nr 198). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6783 DR Sosa-Gómez (CNPSo Nr 199). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6784 DR Sosa-Gómez (CNPSo Nr 200). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6785 DR Sosa-Gómez (CNPSo Nr 201). *Plusiinae* sp. [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6786 DR Sosa-Gómez (CNPSo Nr 202). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6787 DR Sosa-Gómez (CNPSo Nr 202). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Feb 1999. Brazil: Warta, Faz. Sta Terezinha, Londrina, Paraná. **RESTRICTED ACCESS:** *consult Curator*.

6866 DG Boucias (5762). *Pseudoplusia includens* [Lepidoptera: Noctuidae]. 1974. USA: Gainesville, Florida.

6867 DG Boucias (1795). *Spodoptera* sp. [Lepidoptera: Noctuidae]. Rec'd 7 Jun 2001. India.

6868 DG Boucias (6009). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 24 Sep 2000. USA: Gainesville, Florida.

6869 DG Boucias (94-5a). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 24 Aug 1994. USA: Quincy, Florida.

6870 DG Boucias (6011). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 24 Sep 2000. USA: Quincy, Florida.

6871 DG Boucias (31b). *Plathypena scabra* [Lepidoptera: Noctuidae]. 5 Oct 1993. USA: Quincy, Florida.

6872 DG Boucias (9b). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 13 Sep 1993. USA: Quincy, Florida.

6873 DG Boucias (5561). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Aug 1984. USA: Gainesville, Florida.

6874 DG Boucias (F178). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2 Jan 1999. Brazil: Warta, Londrina, Paraná.

6875 DG Boucias (Nr10). [Lepidoptera: Noctuidae]. Rec'd 7 Jun 2001. Brazil: São Paulo, São Paulo.

6876 DG Boucias (94-5c). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 7 Sep 1994. USA: Quincy, Florida.

6877 DG Boucias (NrCH6). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 18 Apr 1996. Argentina: Buenos Aires, Buenos Aires.

6878 DG Boucias (Nr24). *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 22 Jan 1990. Brazil: Paraná.

6879 DG Boucias (Nr32). *Plusiinae* sp. [Lepidoptera: Noctuidae]. 6 Feb 1990. Brazil: Paraná.

6880 DG Boucias (6026). Aug 2000. Mexico.

6881 DG Boucias (33b). *Plathypena scabra* [Lepidoptera: Noctuidae]. 13 Sep 1993. USA: Quincy, Florida.

6882 DG Boucias (8b). *Pseudoplusia includens* [Lepidoptera: Noctuidae]. 13 Sep 1993. USA: Quincy, Florida.

7052 C López Lastra (B5). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: Bartolomé Bavio, Buenos Aires.

7053 C López Lastra (Ch 2 b). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: Chivilcoy, Buenos Aires.

7054 C López Lastra (Ch 90). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: Chivilcoy, Buenos Aires.

7055 C López Lastra (Ch 91). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: Chivilcoy, Buenos Aires.

7056 C López Lastra (LP1). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. Apr 2002. Argentina: La Plata, Buenos Aires.

7148 C López Lastra (AL IS INTA). Larva, *Alabama argillacea* [Lepidoptera: Noctuidae] on *Gossypium hirsutum*, cotton crop. Mar 2001. Argentina: Santiago del Estero.

7149 C López Lastra (B3). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. 9 Apr 2001. Argentina: Partido Magdalena, Bartolomé Bavio, Buenos Aires.

7150 C López Lastra (SF 9). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. 20 May 2002. Argentina: Bombal, Santa Fe.

7151 C López Lastra (SF15). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. 20 May 2002. Argentina: Zavalla, Santa Fe.

7479 [CEP 019] C López Lastra (Ch 9). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Apr 2001. Argentina: Chivilcoy, Buenos Aires.

7480 [CEP 022] C López Lastra (Ch 66). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 9 Apr 2001. Argentina: Chivilcoy, Buenos Aires.

7481 [CEP 023] C López Lastra (Ch 90). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. Apr 2001. Argentina: Chivilcoy, Buenos Aires.

7482 [CEP 064] C López Lastra (P11). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 2003. Argentina: INTA Pergamino, Pergamino, Buenos Aires.

7483 [CEP 006] C López Lastra (Suelo). Isolated from soil. 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.

7484 [CEP 034] C López Lastra (SF2). Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 20 May 2002. Argentina: Zavalla, Santa Fe.

7778 [CEP 021] C López Lastra ← V Dikgolz. Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae] on *Glycine max* (L.) Merr., soybean crop. 9 Apr 2001. Argentina: Chivilcoy, Buenos Aires.

7779 [CEP 035] C López Lastra ← B Díaz. Larva, *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 20 May 2002. Argentina: Zavalla, Santa Fe.

7780 [CEP 037] C López Lastra ← B Díaz. *Anticarsia gemmatalis* [Lepidoptera: Noctuidae]. 20 May 2002. Argentina: Zavalla, Santa Fe.

7791 R Barakat (N.R. 3). Isolated from soil sample. 23 Aug 2004. The Palestinian Authority: Jenin.

7792 R Barakat (N.R. 5). Isolated from soil sample. 23 Aug 2004. The Palestinian Authority: Jenin.

7793 R Barakat (N.R. 17). Isolated from soil sample. 23 Aug 2004. The Palestinian Authority: Jenin.

7794 R Barakat (N.R. 18). Isolated from soil sample. 23 Aug 2004. The Palestinian Authority: Jenin.

9489 [SRCAMB VL-2125] V Likhovidov. Larva, [Lepidoptera: Noctuidae]. Aug 2006. Russian Federation: Moscow Region. Field Collection Number F-139.

9490 [SRCAMB B-412] V Likhovidov ← BA Borisov. Larva, [Lepidoptera: Noctuidae]. Sep 1995. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-364.

Nomuraea viridulus Tzean, Hsieh, Chen & Wu
[Sordariomycetes: Hypocreales]
Clavicipitaceae

6927 SS Tzean (PPh 14E). *Cryptotympana facialis* [Homoptera: Cicadidae]. 2 Jul 2000. Republic of China: Yangmingshan National Park, Taipei, Taiwan.

Ophiocordyceps aphodii (Mathieson) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae. Synonym: *Cordyceps aphodii* Mathieson

5498 [ATCC 34178; CBS 150.47] Larva, *Aphodius howitti* [Coleoptera: Scarabaeidae]. Rec'd 5 Jun 1997. Location not specified.

Ophiocordyceps bisporus (Stifler) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]
Synonym: *Cordycepioideus bisporus* Stiffler. Anamorph: *Hirsutella* sp.

3888 [G Ochiel IIBC I92-745] J Eilenberg (KVL 90). Alate, [Isoptera: Termitidae] soil, under rock. Sep 1991. Kenya: Isiolo.

4518 [IIBC I94-916] HC Evans (I94-916). *Macrotermes* sp. [Isoptera: Termitidae]. Dec 1993. Kenya.

4843 J Eilenberg (KVL 607). *Macrotermes* sp. [Isoptera: Termitidae]. 28 Nov 1993. Kenya: Kadjiado.

Ophiocordyceps gracilioides (Kobayasi) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Synonym: *Cordyceps gracilioides* Kobayasi

5696 JM Sung (KEFC-1100). Larva, Phylum Arthropoda, Class Insecta. 29 Jun 1997. Republic of Korea: Mt. Chil-gap, Choong-Chung Nam Do.

Ophiocordyceps heteropoda (Kobayasi) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Synonym: *Cordyceps heteropoda* Kobayasi. This species has not produced stromata, perithecia, or ascospores in culture. Vegetative hyphae and conidia are all that have been observed with standard culture media and routine physical conditions of incubation in the laboratory and/or incubator.

1880 K Chandler and RA Humber. *Cicadetta puer* [Homoptera: Cicadidae]. 22 Feb 1985. Australia: Cairns, Queensland.

6919 [IFO 33060] Ascospores ejected from ascoma. Rec'd 25 Oct 2001. Japan.

8010 BC King (Cg). Spring 2005. USA: Klickitat County, Washington. GenBank match - AB027373 (97.40%) LSU. **RESTRICTED ACCESS:** *consult Curator*.

Ophiocordyceps myrmecophila (Cesati) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Synonym: *Cordyceps myrmecophila* Cesati

6180 Rec'd 7 Jul 1999.

Ophiocordyceps nutans (Patouillard) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Synonym: *Cordcyeps nutans* Patouillard

7220 [SRCAM VLI/B-13] V Likhovidov. Rec'd 29 Sep 2003.

Ophiocordyceps robertsii (Hooker) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Synonym: *Cordyceps robertsii* Hooker

6961 G Gates. Rec'd 9 Oct 2001.

Ophiocordyceps variabilis (Petch) GH Sung, JM Sung, Hywel-Jones & Spatafora
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Synonym: *Cordyceps variabilis* Petch. Anamorph: *Synglioclad*ium sp.This species has not produced stromata, perithecia, or ascospores in culture. Vegetative hyphae and conidia are all that have been observed with standard culture media and routine physical conditions of incubation in the laboratory and/or incubator.

4080 [ATCC 204364] KT Hodge (kth13). Larva, [Diptera: Xylophagidae] decaying wood. 29 Jul 1993. USA: Long Point, Raquette Lake, New York.

5365 [ATCC 204365] KT Hodge (kth50a). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] Decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York.

5366 KT Hodge (kth50b). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] Decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York.

5367 KT Hodge (kth51a). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York.

5414 KT Hodge (kth50d). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5415 KT Hodge (kth50f). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5416 KT Hodge (kth50g). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5417 KT Hodge (kth50h). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5418 KT Hodge (kth50i). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5419 KT Hodge (kth50j). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5420 KT Hodge (kth50k). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5421 KT Hodge (kth50l). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5422 KT Hodge (kth50m). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5423 KT Hodge (kth50n). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5424 KT Hodge (kth50o). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5425 KT Hodge (kth50p). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5426 KT Hodge (kth50q). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5427 KT Hodge (kth50r). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5428 KT Hodge (kth50s). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

5429 KT Hodge (kth50t). Larva, *Xylophagus sp.* [Diptera: Xylophagidae] on decorticated wood of *Tilia americana*. 3 Aug 1996. USA: Michigan Hollow State Forest, Finger Lakes Trail, Danby, New York. Single part ascospore isolate. Specimen accessioned as CUP 63882.

Ostracoderma sp.

[Pezizomycetes: Pezizales]

Pezizaceae. Anamorph of *Peziza ostracoderma*

5163 S Gouli (GP-45). *Taxus sp.* [Taxales: Taxaceae]. 17 Feb 1996. USA: Burlington, Vermont.

Paecilomyces sp.

[Sordariomycetes: Hypocreales]

These still unidentified species has yet been assigned to a correct genus after the recent gene-based reclassification of species out of *Paecilomyces* Section *Isarioidea*; this original generic identification remains provisional until a more thorough analyses of these isolates are completed.

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309 DW Roberts ← FL Briggs. *Epiphyas postvittana* [Lepidoptera: Tortricidae]. Acc'd Mar 1979. New Zealand.

385 WG Yendol. Rec'd 8 Aug 1979. PR China: North Bridges Peoples' Commune, Shanghai, Kiangsu.

680 DW Roberts (101081-6). *Recilia dorsalis* [Homoptera: Cicadellidae]. 10 Oct 1981. PR China: Jansui, Jiangsu.

971 [GCRI 50-81] RA Hall ← J Fargues. Acc'd 17 Oct 1983. France.

1008 J Aoki (Nom. 1) ← K Katagiri ← T Kushida. *Sesamia inferens* [Lepidoptera: Noctuidae]. Dec 1968. Japan: Hachioji, Tokyo Prefecture.

2350 [ARSEF 2378] MC Rombach (131286-6). Pupa, [Diptera] on *Croton* sp. 13 Dec 1986. Indonesia: tropical rainforest, Gunung Merapi, Yogyakarta, Java.

2354 [ARSEF 2377 (never frozen)] MC Rombach (201286-6). [Araneida]. 20 Dec 1986. Philippines: rainforest, Mt. Makiling, Los Baños, Manila.

2378 [ARSEF 2350] MC Rombach (131286-6). Pupa, [Diptera] on *Croton* sp. 13 Dec 1986. Indonesia: tropical rainforest, Gunung Merapi, Yogyakarta, Java.

2616 SB Alves (718). *Natada michonta* [Lepidoptera: Limacodidae]. Apr 1988. Brazil: Moju, Pará.

2617 SB Alves (719). *Natada michonta* [Lepidoptera: Limacodidae]. Apr 1988. Brazil: Moju, Pará.

2618 SB Alves (720). *Natada michonta* [Lepidoptera: Limacodidae]. Apr 1988. Brazil: Moju, Pará.

3101 L Loch (CB-75). *Nezara viridula* [Hemiptera: Pentatomidae]. 1986. Brazil: Piracicaba, São Paulo.

3545 M Brownbridge (B-38). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 19 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.

3566 M Brownbridge (R-48). Rec'd 10 Jan 1992. Location not specified.

3768 EW Davidson. [Diptera: Drosophilidae]. Summer 1992. USA: Arizona.

3772 SP Wraight (F92-5) ← J Salinas. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 17 Apr 1992. USA: USDA-APHIS Biological Control Laboratory Greenhouse, Mission, Texas.

3774 SP Wraight (SPW-5). Larva, *Bemisia tabaci* [Homoptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.

3775 SP Wraight (SPW-6). Larva, *Bemisia tabaci* [Homoptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.

3777 SP Wraight (SPW-12). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.

3780 SP Wraight (SPW-7). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.

3781 SP Wraight (SPW-8). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.

3782 SP Wraight (SPW-9). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.

3783 SP Wraight (SPW-9). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] cotton leaves. 12 Jun 1992. USA: Weslaco, Texas.

3784 SP Wraight (SPW-1). Larva, *Bemisia tabaci* [Homoptera: Aleyrodidae] poinsettia leaves. 12 Jun 1992. USA: Weslaco, Texas.

3785 SP Wraight (SPW-5). Larva, *Bemisia tabaci* [Homoptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.

3786 SP Wraight (SPW-10). Larva, *Bemisia tabaci* [Homoptera: Aleyrodidae] poinsettia leaves. 24 Aug 1992. USA: Weslaco, Texas.

3787 SP Wraight ( ) ← J Salinas (F92-6). *Bemisia tabaci* [Homoptera: Aleyrodidae] eggplant leaves. 18 Apr 1992. USA: Mission, Texas.

3788 SP Wraight ( ) ← B.A. Mullin (BO-1). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] cotton leaves. 12 Jun 1992. USA: Weslaco, Texas.

3853 MS Tigano-Milani (CG-186). Soil. Rec'd 13 Jan 1993. Brazil.

3870 LA Lacey (92133) ← A Kirk. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 19 Sep 1992. Nepal: Katmandu.

3871 LA Lacey (92135) ← A Kirk. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 19 Sep 1993. Nepal: Katmandu.

3872 LA Lacey (92137) ← A Kirk. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 19 Sep 1993. Nepal: Katmandu.

3873 LA Lacey (Pfr19). *Bemisia tabaci* [Homoptera: Aleyrodidae]. 11 Apr 1992. India: Padappai.

3874 LA Lacey (92114) ← D Shakeel. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 14 Oct 1992. Pakistan: Multan.

3875 LA Lacey (92115) ← D Shakeel. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 11 Oct 1992. Pakistan: Multan.

3877 LA Lacey (92117) ← D Shakeel. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 11 Oct 1992. Pakistan: Multan.

4452 LA Lacey (94110). Soil. 18 Apr 1994. Japan: Edosaki Golf Course.

4742 [DAT 343] AC Rath (F343) ← H Yip (HY26). Soil. 31 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.

4985 LA Lacey (95041). *Bemisia tabaci* [Homoptera: Aleyrodidae] Cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.

4986 LA Lacey (95042). *Bemisia tabaci* [Homoptera: Aleyrodidae] cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.

4987 LA Lacey (95043). *Bemisia tabaci* [Homoptera: Aleyrodidae] cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.

4988 LA Lacey (95044). *Bemisia tabaci* [Homoptera: Aleyrodidae] cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.

4989 LA Lacey (95045). *Bemisia tabaci* [Homoptera: Aleyrodidae] cabbage. 22 May 1995. Taiwan: AVRDC-Greenhouse.

5091 LA Lacey (95081). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5092 LA Lacey (95082). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5093 LA Lacey (95083). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5094 LA Lacey (95084). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5095 LA Lacey (95085). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5096 LA Lacey (95086). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5097 LA Lacey (95087). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5098 LA Lacey (95088). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5099 LA Lacey (95089). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5100 LA Lacey (95090). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5101 LA Lacey (95091). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5102 LA Lacey (95092). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5103 LA Lacey (95093). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5104 LA Lacey (95094). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5105 LA Lacey (95095). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5106 LA Lacey (95096). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5108 LA Lacey (95098). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5109 LA Lacey (95099). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5110 LA Lacey (95100). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5111 LA Lacey (95101). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5112 LA Lacey (95102). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5114 LA Lacey (95104). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 12 Dec 1995. Pakistan: Multan.

5160 DR Sosa-Gómez (CNPSo-P83). *Bemisia argentifolii* [Homoptera: Aleyrodidae]. 14 Mar 1996. Brazil: Primeiro de Maio, Paraná.

5179 S Gouli (GA-88). *Adelges tsugae* [Homoptera: Adelgidae] on *Tsuga canadensis*. 14 Feb 1996. USA: Mt. Tom, Holyoke, Massachusetts.

5180 S Gouli (GA-89). *Adelges tsugae* [Homoptera: Adelgidae] on *Tsuga canadensis*. 14 Mar 1996. USA: Mt. Tom, Holyoke, Massachusetts.

5181 S Gouli (GA-90). [Araneida: Araneae]. 28 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.

5183 S Gouli (GA-93). [Araneida: Araneae]. 22 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.

5184 S Gouli (GA-94). [Coleoptera: Curculionidae]. 25 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.

5185 S Gouli (GA-95). Phylum Arthropoda, Class Diplopoda. 28 May 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.

5189 S Gouli (GA-99). Larva, Phylum Arthropoda, Class Insecta. 24 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.

5190 S Gouli (GA-100). [Araneida: Araneae]. 25 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.

5192 S Gouli (GA-102). [Opiliones]. 29 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.

5193 S Gouli (GA-103). [Coleoptera: Curculionidae]. 23 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.

5402 Laboratory contaminant. Acc'd 14 Jan 1997.

6193 FE Vega (EBCL 99030). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 28 Dec 1998. France: Crespian, Gard.

6198 FE Vega (EBCL 99037). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 28 Dec 1998. France: Crespian, Gard.

6339 5th instar larva, 23 Jan 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.

6883 DG Boucias (3936). [Hymenoptera: Tenthredinoidea]. Rec'd 7 Jun 2001. USA: Florida.

7064 Acc'd 3 Aug 2004.

7065 Acc'd 4 Aug 2004.

7075 KT Hodge (PR16). [Hemiptera: Pentatomidae] on *Acanthaceae*. 5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.

7388 M Liu (ml190). 17 Dec 2003. USA: Toro Negro, Puerto Rico.

7721 [SRCAM VLI-281] V Likhovidov. Rec'd 29 Sep 2003.

7741 [SRCAM VLI/B-55] V Likhovidov ← BA Borisov. Rec'd 29 Sep 2003.

7742 [SRCAM VLI-275] V Likhovidov. Rec'd 29 Sep 2003.

7744 [SRCAM VLI/B-59/1] V Likhovidov ← BA Borisov. Rec'd 29 Sep 2003.

7745 [SRCAM VLI/B-59/2] V Likhovidov ← BA Borisov. Rec'd 29 Sep 2003.

7746 [SRCAM VLI-488] V Likhovidov. Rec'd 29 Sep 2003.

7747 [SRCAM VLI-478] V Likhovidov. Rec'd 29 Sep 2003.

7756 [SRCAM VLI-61] V Likhovidov. Rec'd 29 Sep 2003.

7800 L Erickson and CA Fuller (?#3 V29UP all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Lameshur Bay, Saint John, Virgin Islands.

7801 L Erickson and CA Fuller (#8b HH23P all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Hurricane Hole, Saint John, Virgin Islands.

7803 L Erickson and CA Fuller (#8 V29UP all). Workers, *Nasutitermes acajutlae* [Isoptera: Termitidae]. 7 Jul 2005. USA: Lameshur Bay, Saint John, Virgin Islands.

7995 BC King (2). Pupa, [Lepidoptera]. Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

7996 BC King (6). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

7997 BC King (16). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

7998 BC King (18). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

7999 BC King (23). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8001 BC King (27). Larva, [Lepidoptera]. Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8002 BC King (48). Rec'd 7 Apr 2006. Canada: Squamish, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8003 BC King (51). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8004 BC King (55). Rec'd 7 Apr 2006. USA: near Breitenbush Hot Springs, Detroit, Oregon. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8005 BC King (63). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8006 BC King (68). Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8007 BC King (69). [Hymenoptera]. Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8008 BC King (70). [Hymenoptera]. Rec'd 7 Apr 2006. Canada: Pacific Spirit Regional Park, Vancouver, British Columbia. GenBank match - AY624179 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

8316 JM Meyer. Adult, *Diaphorina citri* [Homoptera: Psyllidae]. Oct 2005. USA: Polk County, Florida. 28°06'295" N, 81°42'895" W.

Paecilomyces canadensis (Vuillemin) Brown & Smith
[Sordariomycetes: Hypocreales]

This species is usually treated as a synonym of *Isaria farinosa* but both this and any ultimate reclassification remain to be determined.

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984 [FPMI 757] J Aoki (Paec. 6) ← K Katagiri ← T Kushida. *Heptophylla picea* [Coleoptera: Scarabaeidae]. Feb 1972. Japan: Hachioji, Tokyo Prefecture.

990 [FPMI 758] J Aoki (Paec. 7) ← K Katagiri ← T Kushida. *Gastropacha orientalis* [Lepidoptera: Lasiocampidae]. Jul 1969. Japan: Hachioji, Tokyo Prefecture.

Paecilomyces crustaceus(?) Apinis & Chesters
[Eurotiomycetes: Eurotiales]

Trichocomaceae. This species has not been reclassified into a correct genus according to its genomic sequences following the recent gene-based reclassification of *Paecilomyces* Section *Isarioidea]*.

6462 [CIAT 047] D Peck. 5th instar larva, *Zulia carbonaria* [Homoptera: Cercopidae]. 25 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6467 [CIAT 052] D Peck. Adult, *Zulia carbonaria* [Homoptera: Cercopidae]. 25 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

Paecilomyces lilacinus(?) (Thom) Samson
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. This species has not been reclassified into a correct genus according to its genomic sequences following the recent gene-based reclassification of *Paecilomyces* Section *Isarioidea]*.

6325 Nymph, 16 Feb 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.

6458 [CIAT 043] D Peck. Adult, female, *Zulia carbonaria* [Homoptera: Cercopidae]. 26 May 1999. Colombia: Santander de Quilichao, Cauca.

Paecilomyces marquandii (Massee) Hughes
[Sordariomycetes: Hypocreales]

Clavicipitaceae. This species has been placed in the Hypocreales by phylogenetic analysis but not into a correct genus according to its genomic sequences. The recent reclassification of *Paecilomyces* Section *Isarioidea* requires this species placement in a different genus.

3855 [JB Tavares BRA-000167] MS Tigano-Milani (CG-371). Rec'd 13 Jan 1993. Brazil.

9527 [SRCAMB AS-528] V Likhovidov. Isolated from soil sample. 29 Aug 2004. Russian Federation: Krasnodarsky Krai. Field Collection Number F-970.

9529 [SRCAMB AS-433] V Likhovidov. Isolated from soil sample. Aug 1999. Russian Federation: Tver Region. Field Collection Number F-266.

9530 [SRCAMB AS-582] V Likhovidov. Isolated from soil sample. 16 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-784.

9928 [ERL 1772] S Gouli (Thr.-09-4) and V Gouli. [Thysanoptera: Thripidae]. 2010. USA: Vermont.

9929 [ERL 1773] S Gouli and V Gouli (Thr.-09-5). [Thysanoptera: Thripidae]. 2010. USA: Vermont.

Paecilomyces reniformis Samson & HC Evans in Samson
[Sordariomycetes: Hypocreales]

The recent reclassification of *Paecilomyces* Section *Isarioidea* requires this species eventual reassignment to a different genus.

429 DW Roberts. [Orthoptera: Tettigoniidae] on rice. 31 Oct 1979. Philippines: IRRI, Los Baños, Manila.

484 RS Soper. [Orthoptera: Tettigoniidae] on rice. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

577 RS Soper. [Orthoptera: Tettigoniidae] on rice. 24 Feb 1981. Indonesia: Diski Village, Medan District, Sumatera Utara.

7040 RG Hollingsworth (KNF2002-10). [Orthoptera: Tettigoniidae]. 26 Jan 2002. USA: Bayfront area, Hilo, Hawaii.

7041 RG Hollingsworth (KNF002-11). [Orthoptera: Tettigoniidae]. 26 Jan 2002. USA: Bayfront area, Hilo, Hawaii.

Paecilomyces sinensis QT Chen, SR Xiao & ZY Shi
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Possible anamorphic state of *Ophiocordyceps sinensis* (Berkeley) GH Sung, JM Sung, Hywel-Jones & Spatafora [= *Cordyceps sinensis* (Berkeley) Saccardo)]

6284 [RCEF 0204] Larva, [Lepidoptera: Hepialidae]. Rec'd 24 Aug 1999. PR China: Qinghan.

6285 [RCEF 0263] Larva, [Lepidoptera: Hepialidae]. Rec'd 24 Aug 1999. PR China: Qinghan.

Paecilomyces viridis Segretain ex Samson
[Sordariomycetes: Hypocreales]

This species has not been reclassified into a correct genus according to its genomic sequences following the recent gene-based reclassification of *Paecilomyces* Section *Isarioidea*].

2456 UAMH (2994) ← Pasteur Institute (CIP-849). Rec'd 28 Jul 1987. Location not specified.

***Pandora* sp.**
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

3201 GW Riethmacher (EB6). *Plutella xylostella* [Lepidoptera: Plutellidae]. 13 May 1989. Philippines: La Trinidad, Benguet.

5812 [Diptera]. 10 Aug 1998. Denmark.

Pandora blunckii (Lakon ex Zimmerman) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

217 [ATCC 34698; CBS 194.77; IMI 211910] G Zimmermann (2). Larva, *Plutella maculipennis* [Lepidoptera: Plutellidae]. 27 Mar 1978. Germany: Gross-Bieberau, Darmstadt, Hesse. CULTURE EX NEOTYPE.

915 S Keller (426). *Athalia rosae* [Coleoptera: Elateridae]. 1 Sep 1982. Switzerland.

917 S Keller (425). *Athalia rosae* [Coleoptera: Elateridae]. 1 Sep 1982. Switzerland: Zürich.

920 S Keller (430). *Athalia rosae* [Coleoptera: Elateridae]. 1 Sep 1982. Switzerland: Zürich.

1000 J Aoki (Ent. 30) ← H Tomiyama. *Plutella xylostella* [Lepidoptera: Plutellidae]. Nov 1977. Japan: Fuchu, Tokyo Prefecture.

1004 [FPMI 752] J Aoki (Ent. 35) ← M Shimazu. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.

1715 S Keller (514). *Athalia rosae* [Coleoptera: Elateridae]. 3 Oct 1984. Switzerland: Reckenholz, Zurich.

1716 S Keller (515). *Athalia rosae* [Coleoptera: Elateridae]. 3 Oct 1984. Switzerland: Reckenholz, Zurich.

1717 S Keller (516). *Athalia rosae* [Coleoptera: Elateridae]. 3 Oct 1984. Switzerland: Reckenholz, Zurich.

1718 S Keller (517). *Athalia rosae* [Coleoptera: Elateridae]. 3 Oct 1984. Switzerland: Reckenholz, Zurich.

2824 GW Riethmacher (EB4). *Plutella xylostella* [Lepidoptera: Plutellidae]. 8 Apr 1989. Philippines: La Trinidad, Benguet. ARSEF 2776, *Fusarium* sp., also isolated from Riethmacher # EB4.

3075 DG Holdom. *Plutella* sp. [Lepidoptera: Plutellidae]. 27 Apr 1990. Australia: Lockyer Valley, Queensland.

3200 GW Riethmacher (EB3). *Plutella xylostella* [Lepidoptera: Plutellidae]. 8 Apr 1989. Philippines: La Trinidad, Benguet.

3202 GW Riethmacher (EB7). *Plutella xylostella* [Lepidoptera: Plutellidae]. 8 Jun 1989. Philippines: La Trinidad, Benguet.

6293 R Alatorre Rosas (Jav.1). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6294 R Alatorre Rosas (Jav.3). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6295 R Alatorre Rosas (Jav.4). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6296 R Alatorre Rosas (Jav.6). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6297 R Alatorre Rosas (Jav.7). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6298 R Alatorre Rosas (Jav.8). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6299 R Alatorre Rosas (Jav.9). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6300 R Alatorre Rosas (Jav.10). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6301 R Alatorre Rosas (Jav.11). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6302 R Alatorre Rosas (Jav.12). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6304 R Alatorre Rosas (Andres.2). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6305 R Alatorre Rosas (Andres.3). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6306 R Alatorre Rosas (Andres.5). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6307 R Alatorre Rosas (Andres.6). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6308 R Alatorre Rosas (Andres.7). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6309 R Alatorre Rosas (Bujanos.1). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6310 R Alatorre Rosas (Bujanos.3). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6311 R Alatorre Rosas (Bujanos.4). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6312 R Alatorre Rosas (Bujanos.5). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6316 R Alatorre Rosas (Mina.19). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

Pandora delphacis (Hori) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

134 M Shimazu. *Nilaparvata lugens* [Homoptera: Delphacidae]. 1975. Japan: Fukuoka, Fukuoka Prefecture.

458 RS Soper. *Nephotettix cincticeps* [Homoptera: Cicadellidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

459 RS Soper. *Nephotettix cincticeps* [Homoptera: Cicadellidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

460 RS Soper. *Nephotettix cincticeps* [Homoptera: Cicadellidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

461 RS Soper. *Nephotettix cincticeps* [Homoptera: Cicadellidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

478 RS Soper (B). *Nephotettix cincticeps* [Homoptera: Cicadellidae]. 5 May 1980. Philippines: IRRI, Los Baños, Manila.

575 RS Soper (8132-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 2 Mar 1981. Indonesia: Desa Dasan Tereng Village, Kecamatan Narmada District, Lombok Island.

579 RS Soper (8132-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 2 Mar 1981. Indonesia: Desa Dasan Tereng Village, Kecamatan Narmada District, Lombok Island.

580 RS Soper (81223-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 23 Feb 1981. Indonesia: Bangun Village, Kecamatan Tanjung, Deliserdang District, Sumatera Utara, Sumatra.

593 [CSIRO EM654] RS Soper (8133-2). *Sogatella furcifera* [Homoptera: Delphacidae]. 3 Mar 1981. Indonesia: Pangkep Kaba, Sulawesi Selatan, Celebes.

603 RS Soper (8133-2). *Sogatella furcifera* [Homoptera: Delphacidae]. 3 Mar 1981. Indonesia: Pangkep Kaba, Sulawesi Selatan, Celebes.

657 DW Roberts (101081-4). *Nilaparvata lugens* [Homoptera: Delphacidae]. 10 Oct 1981. PR China: Jansui, Jiangsu.

659 DW Roberts (101081-6-2). *Recilia dorsalis* [Homoptera: Cicadellidae]. 10 Oct 1981. PR China: Jansui, Jiangsu.

660 DW Roberts (101081-6-2). *Recilia dorsalis* [Homoptera: Cicadellidae]. 10 Oct 1981. PR China: Jiangsu.

664 DW Roberts (100881-4-3). *Nilaparvata lugens* [Homoptera: Delphacidae]. 8 Oct 1981. PR China: Chansha, Hunan.

665 DW Roberts (102181-9). *Nilaparvata lugens* [Homoptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.

666 DW Roberts (102181-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.

667 DW Roberts (102181-6). *Nilaparvata lugens* [Homoptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.

668 DW Roberts (101081-3). *Nilaparvata lugens* [Homoptera: Delphacidae]. 10 Oct 1981. PR China: Nanjing, Jiangsu.

669 DW Roberts (102181-2). *Nilaparvata lugens* [Homoptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.

670 DW Roberts (101381-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 13 Oct 1981. PR China: Hangzhou, Zhijiang.

672 DW Roberts (101081-5-3). *Nilaparvata lugens* [Homoptera: Delphacidae]. 10 Oct 1981. PR China: Nanjing, Jiangsu.

673 DW Roberts (100981-3). *Nilaparvata lugens* [Homoptera: Delphacidae]. 9 Oct 1981. PR China: Nanjing, Jiangsu.

674 DW Roberts (100981-4). *Nilaparvata lugens* [Homoptera: Delphacidae]. 9 Oct 1981. PR China: Nanjing, Jiangsu.

676 DW Roberts (102181-5). *Nilaparvata lugens* [Homoptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.

682 DW Roberts (101081-2-3). *Nilaparvata lugens* [Homoptera: Delphacidae]. 10 Oct 1981. PR China: Nanjing, Jiangsu.

686 DW Roberts (101081-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 10 Oct 1981. PR China: Jiangsu.

698 *Nilaparvata lugens* [Homoptera: Delphacidae]. 11 Apr 1981. PR China: Wuhan, Hupei.

713 DW Roberts (102181-4). *Nilaparvata lugens* [Homoptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.

716 DW Roberts (100981-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 9 Oct 1981. PR China: Nanjing, Jiangsu.

1101 J Aoki (Ent. 36) ← M Shimazu. Acc'd 14 Mar 1984. Japan: Chikugo, Fukuoka Prefecture.

1124 M Shimazu (F-16). *Nilaparvata lugens* [Homoptera: Delphacidae]. Acc'd 29 Mar 1984. Japan: Fukuoka Prefecture.

1132 M Shimazu (F-32). *Nilaparvata lugens* [Homoptera: Delphacidae]. Acc'd 3 Apr 1984. Japan: Fukuoka Prefecture.

1133 M Shimazu (F-33). *Nilaparvata lugens* [Homoptera: Delphacidae]. Acc'd 3 Apr 1984. Japan: Fukuoka Prefecture.

1238 [CNPAF 84-04-13-1B; CP 138] DW Roberts. [Homoptera: Cicadellidae]. 13 Apr 1984. Brazil: CNPAF, Goiânia, Goiás.

1264 J Aoki (Ent. 6) ← M Shimazu. *Nilaparvata lugens* [Homoptera: Delphacidae]. Rec'd 7 Nov 1983. Japan: Chikugo, Fukuoka Prefecture.

1265 J Aoki (Ent. 7) ← H Tomiyama. *Mamestra brassicae* [Lepidoptera: Noctuidae]. Nov 1975. Japan: Fuchu, Tokyo Prefecture.

1268 M Shimazu (F-56). *Nilaparvata lugens* [Homoptera: Delphacidae]. Acc'd 3 May 1984. Japan: Chikugo, Fukuoka Prefecture.

1730 DW Roberts (26108) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 26 Oct 1984. India: greenhouse, All India Coop. Rice Inv. Project, Hyderabad, Andhra Pradesh.

1731 DW Roberts (26105) and MC Rombach. *Nilaparvata lugens* [Homoptera: Delphacidae]. 26 Oct 1984. India: greenhouse, All India Coop. Rice Inv. Project, Hyderabad, Andhra Pradesh.

1936 SG Wraight and SP Wraight (Q1). [Homoptera: Cicadellidae]. 31 May 1985. Brazil: CNPAF, Goiânia, Goiás.

2028 JA Harper. *Spissistilus festinus* [Homoptera: Membracidae]. Acc'd 28 Oct 1985. USA: Auburn, Alabama.

2046 P Taylor. Reisolate of ARSEF 579 passed through *Sogatodes oryzicola* [Homoptera: Delphacidae]. Acc'd 26 Nov 1985. Laboratory manipulation.

2047 P Taylor. Reisolate of ARSEF 579 passed through *Nilaparvata lugens* [Homoptera: Delphacidae]. Acc'd 26 Nov 1985. Laboratory manipulation.

2091 DG Holdom (200186-2). *Nilaparvata lugens* [Homoptera: Delphacidae]. 20 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2092 DG Holdom (260186-1). *Sogatella furcifera* [Homoptera: Delphacidae]. 26 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2093 DG Holdom (260186-2). *Sogatella furcifera* [Homoptera: Delphacidae]. 26 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2094 DG Holdom (270186). *Sogatodes pusanus* [Homoptera: Delphacidae]. 27 Jan 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2095 DG Holdom (020286). *Sogatella furcifera* [Homoptera: Delphacidae]. 2 Feb 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2096 DG Holdom (060286). *Sogatella furcifera* [Homoptera: Delphacidae]. 6 Feb 1986. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2409 DG Holdom (310187-1). *Sogatella furcifera* [Homoptera: Delphacidae]. 31 Jan 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

3062 M Wheeler. [Hemiptera: Miridae]. 13 Aug 1990. USA: Snapp field # 2D, Newark Valley, New York.

3072 M Wheeler ← H Firstencel. *Empoasca fabae* [Homoptera: Cicadellidae]. 7 Aug 1990. USA: Snapp field # 8A, Newark Valley, New York.

3093 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 11 Sep 1990. USA: Snapp field # 5G, Newark Valley, New York.

3094 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 11 Sep 1990. USA: Snapp field # 4G, Newark Valley, New York.

3095 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 10 Sep 1990. USA: Hoffman field # 2B, Catherine, New York.

3096 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 10 Sep 1990. USA: Hoffman field # 1G, Catherine, New York.

3106 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 20 Sep 1990. USA: Hoffman field # 4C, Catherine, New York.

3107 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 28 Sep 1990. USA: Hoffman field # 1B, Catherine, New York.

3484 G Lorenz. *Spissistilus festinus* [Homoptera: Membracidae] on soybeans (Glycine max). 18 Oct 1991. USA: Lonoke County, Arkansas.

6538 MG Feng (F95125). *Sogatella furcifera* [Homoptera: Delphacidae] on late-season rice. Fall 1995. PR China: Fuyang, Zhejiang Province.

6539 MG Feng (F95129). *Sogatella furcifera* [Homoptera: Delphacidae] on late-season rice. 6 Nov 1995. PR China: Fuyang, Zhejiang Province.

Pandora dipterigena (Thaxter) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

131 N Wilding (1). [Diptera]. 24 Aug 1976. USA: Rogers Farm, Stillwater, Maine.

397 [ARSEF ?1066] S Keller (92). [Diptera: Nematocera]. 5 Jun 1978. Switzerland.

1422 S Balazy (1496c). [Diptera: Brachycera] attached to the underside of lime tree leaf in deciduous forest undergrowth. 4 Jun 1982. Poland: Bialowieza National Park.

1720 S Keller (521). [Diptera]. 18 Oct 1984. Switzerland: Trasadingen, Schaffhausen.

1887 M Shimazu. [Diptera: ?Sciaridae]. 1 Jun 1985. USA: Allegany State Park, Salamanca, New York.

1921 M Shimazu (FE3). [Diptera]. 20 Jun 1985. USA: Allegany State Park, Salamanca, New York.

1923 M Shimazu (FE1). [Diptera]. Summer 1985. USA: Allegany State Park, Salamanca, New York.

2406 RI Samuels. Adult, [Trichoptera]. Aug 1986. United Kingdom: Avon, England.

Pandora heteropterae (Balazy) S Keller
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

9266 JJ Hannam. *Lygus lineolaris* [Hemiptera: Miridae] collected from weeds on the edge of cornfield. 1 Sep 2008. USA: Johnson County, Arkansas. 35°23'34" N, 93°42'03" W.

Pandora kondoiensis (Milner, Mahon, & Brown) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

369 [ARSEF 825] CSIRO (EM507) ← R Teakle. *Acyrthosiphon kondoi* [Homoptera: Aphididae]. 5 Oct 1977. Australia: Brisbane, Queensland.

825 [ARSEF 369] CSIRO (EM507) ← R Teakle. *Acyrthosiphon kondoi* [Homoptera: Aphididae]. 5 Oct 1977. Australia: Brisbane, Queensland.

828 CSIRO (EM598) ← RD Hughes. *Acyrthosiphon kondoi* [Homoptera: Aphididae] on lucerne. 31 Jul 1980. Australia: Dubbo, New South Wales.

836 CSIRO (EM635) ← G Lutton. *Acyrthosiphon kondoi* [Homoptera: Aphididae] on lucerne. 29 Sep 1981. Australia: 2 km SW of Gundagai, New South Wales.

837 CSIRO (EM600) ← RD Hughes. *Acyrthosiphon kondoi* [Homoptera: Aphididae] on lucerne. 31 Jul 1980. Australia: Dubbo, New South Wales.

Pandora neoaphidis (Remaudière & Hennebert) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

78 RG Kenneth (3072) or (E.a. 11) ← A Uziel. [Homoptera: Aphididae] on *Solanum hirsutum*. Mar 1976. Israel: potato field, Achuzam.

128 [IPLB 52] JP Latgé and G Remaudière. *Aphis* sp. [Homoptera: Aphididae] on *Cornus* sp. [Cornaceae]. 26 Aug 1976. Canada: Saint-Gédéon, Québec.

181 FR Holbrook. *Macrosiphum euphorbiae* [Homoptera: Aphididae]. 9 Aug 1977. USA: Maine.

381 RS Soper. [Homoptera: Aphididae]. 26 Feb 1979. Australia.

608 I Majchrowicz (80). *Aphis fabae* [Homoptera: Aphididae]. Jul 1980. Poland: Szczecin.

609 I Majchrowicz (81). *Aphis fabae* [Homoptera: Aphididae]. Jul 1980. Poland: Szczecin.

610 I Majchrowicz (82). *Aphis fabae* [Homoptera: Aphididae]. Jul 1980. Poland: Szczecin.

611 I Majchrowicz (87). *Aphis fabae* [Homoptera: Aphididae]. Aug 1980. Poland: Szczecin.

612 I Majchrowicz (88). *Aphis fabae* [Homoptera: Aphididae]. Aug 1980. Poland: Szczecin.

613 I Majchrowicz (90). *Aphis fabae* [Homoptera: Aphididae]. Aug 1980. Poland: Szczecin.

614 I Majchrowicz (91). *Aphis fabae* [Homoptera: Aphididae]. Aug 1980. Poland: Szczecin.

636 I Majchrowicz (102). *Aphis fabae* [Homoptera: Aphididae]. 3 Jul 1981. Poland: Szczecin.

637 I Majchrowicz (103). *Aphis fabae* [Homoptera: Aphididae]. 6 Jul 1981. Poland: Stanpanel.

638 [CSIRO EM653] I Majchrowicz (104). *Aphis fabae* [Homoptera: Aphididae]. 16 Jul 1981. Poland: Gumience, Szczecin.

639 I Majchrowicz (105). *Aphis fabae* [Homoptera: Aphididae]. 18 Jul 1981. Poland: Gryfino, Szczecin.

827 CSIRO (EM717) ← RJ Huppatz. *Acyrthosiphon pisum* [Homoptera: Aphididae]. 11 Jan 1982. Australia: 30 km from Deniliquin, Echuca, New South Wales.

829 CSIRO (EM736) ← LT Woolcock. *Hyperomyzus lactucae* [Homoptera: Aphididae]. 29 Nov 1982. Australia: Murwillumbah, New South Wales.

830 CSIRO (EM723) ← RJ Huppatz. *Acyrthosiphon pisum* [Homoptera: Aphididae]. Fall 1982. Australia: Hamilton, Victoria.

833 [CSIRO EM739] RJ Milner. *Hyperomyzus lactucae* [Homoptera: Aphididae]. 8 Nov 1982. Chile: airport, Easter Island.

835 CSIRO (EM633) ← L Shu-Sheng. *Hyperomyzus lactucae* [Homoptera: Aphididae] on *Sonchus* sp. 18 Jun 1981. Australia: Black Mountain, Canberra, Australian Capital Territory.

838 CSIRO (EM670) ← G Lutton. *Acyrthosiphon pisum* [Homoptera: Aphididae]. 13 Apr 1982. Australia: Murrumbateman, New South Wales.

993 J Aoki (Ent. 25) ← K Nakamura. *Uroleucon formosanus* [Homoptera: Aphididae]. Jul 1977. Japan: Hino, Tokyo Prefecture.

1134 M Shimazu (F-36). *Macrosiphum akebiae* [Homoptera: Aphididae]. Acc'd 3 Apr 1984. Japan: Fukuoka Prefecture.

1137 M Shimazu (F-54). *Dactynotus formosanus* [Homoptera: Aphididae]. Acc'd 3 Apr 1984. Japan: Tokyo Prefecture.

1570 DW Roberts ← F Messina. *Lygus* sp. [Hemiptera: Miridae] on cowpea. 31 Aug 1984. USA: Ithaca, New York.

1596 I Majchrowicz (34). Pterygotes, *Hyalopterus pruni* [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France.

1597 I Majchrowicz (37). Apterygotes, *Sitobion* sp. [Homoptera: Aphididae]. Acc'd 19 Sep 1984.

1598 I Majchrowicz (50). Pterygotes, *Acyrthosiphon pisum* [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France: Bezreus, Avignon.

1600 I Majchrowicz (164). Pterygotes, *Myzus persicae* [Homoptera: Aphididae]. Acc'd 19 Sep 1984. Portugal: nr. Trofa.

1601 I Majchrowicz (170). Apterygotes, *Myzus* sp. [Homoptera: Aphididae]. Acc'd 19 Sep 1984. Spain: nr. St. Amalia.

1602 I Majchrowicz (172). Apterygotes, *Myzus* sp. [Homoptera: Aphididae]. Acc'd 19 Sep 1984. Spain: nr. St. Amalia.

1603 I Majchrowicz (178). Apterygotes, *Acyrthosiphon pisum* [Homoptera: Aphididae]. Acc'd 19 Sep 1984. Spain: nr. St. Amalia.

1604 I Majchrowicz (201). Apterygotes, *Sitobion* sp. [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.

1605 I Majchrowicz (211). Pterygotes, *Acyrthosiphon pisum* [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.

1606 I Majchrowicz (216). Apterygotes, *Aphis fabae* [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.

1607 I Majchrowicz (224). Apterygotes, *Macrosiphum* sp. [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.

1609 I Majchrowicz (230). Apterygotes, *Acyrthosiphon pisum* [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.

1610 I Majchrowicz (236). Apterygotes, *Aphidula* sp. [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.

1611 I Majchrowicz (246). Apterygotes, *Aphis fabae* [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.

1612 I Majchrowicz (251). Apterygotes, *Macrosiphum* sp. [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.

1613 I Majchrowicz (257). Pterygotes, *Brevicoryne brassicae* [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.

1615 I Majchrowicz (263). Apterygotes, *Aphidula* sp. [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.

1616 I Majchrowicz (269). Apterygotes, *Brevicoryne brassicae* [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.

1617 I Majchrowicz (275). Apterygotes, *Brevicoryne brassicae* [Homoptera: Aphididae]. Acc'd 19 Sep 1984. France: La Minière.

1618 I Majchrowicz (260 4.08). Acc'd 19 Sep 1984. Location not specified.

1695 IL Sivcev (217). Alate, [Homoptera: Aphididae] on cabbage. 10 Jul 1984. Yugoslavia: PKB Commune, E. Belgrade.

1696 IL Sivcev (R-1). Alate, [Homoptera: Aphididae] on roses. 7 Jun 1984. Yugoslavia: laboratory, Zemun, Belgrade.

1784 IL Sivcev (281). Alate, *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 8 Oct 1984. Yugoslavia: PKB Commune, E. Belgrade.

1785 IL Sivcev (278). Alate, *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 8 Oct 1984. Yugoslavia: PKB Commune, E. Belgrade.

1786 IL Sivcev (271). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 8 Oct 1984. Yugoslavia: PKB Commune, E. Belgrade.

1824 IL Sivcev (V-11). 4th instar larva, *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 11 Oct 1984. Yugoslavia: Veternik.

1825 IL Sivcev (F-19). 4th instar larva, *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 11 Oct 1984. Yugoslavia: Futog.

1826 IL Sivcev (F-34). 3rd instar larva, *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 11 Oct 1984. Yugoslavia: Futog.

1827 IL Sivcev (F-30). 3rd instar larva, *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 11 Oct 1984. Yugoslavia: Futog.

1981 TJ Poprawski (0184). Nymph, *Aphis fabae* [Homoptera: Aphididae]. Acc'd 25 Sep 1985. France: La Minière.

1985 TJ Poprawski (0188). Nymph, *Aphis fabae* [Homoptera: Aphididae]. Acc'd 25 Sep 1985. France: La Minière.

1986 TJ Poprawski (0189). Nymph, *Macrosiphum rosae* [Homoptera: Aphididae]. Acc'd 25 Sep 1985. France: La Minière.

1987 TJ Poprawski (0190). Nymph, *Macrosiphum rosae* [Homoptera: Aphididae]. Acc'd 25 Sep 1985. France: La Minière.

2016 IL Sivcev (21/85). [Homoptera: Aphididae] on *Cychorium intibus*. 3 Jul 1985. Yugoslavia: Zemun, Belgrade.

2017 IL Sivcev (74/85). *Acyrthosiphon pisum* [Homoptera: Aphididae] on pea. 5 Jul 1985. Yugoslavia: Micunovo, Voyvodina.

2018 IL Sivcev (76/85). *Acyrthosiphon pisum* [Homoptera: Aphididae] on pea. 5 Jul 1985. Yugoslavia: Micunovo, Voyvodina.

2019 IL Sivcev (63/85). *Aphis fabae* [Homoptera: Aphididae] on poppy. 5 Jul 1985. Yugoslavia: Micunovo, Voyvodina.

2020 IL Sivcev (65/85). *Aphis fabae* [Homoptera: Aphididae] on poppy. 5 Jul 1985. Yugoslavia: Micunovo, Voyvodina.

2085 TJ Poprawski (0191). Nymph, *Myzus persicae* [Homoptera: Aphididae] in alfalfa field. Acc'd 18 Feb 1986. Spain: Ciudad Real.

2086 TJ Poprawski (0193). Nymph, *Myzus persicae* [Homoptera: Aphididae] in alfalfa field. Acc'd 18 Feb 1986. Spain: Ciudad Real.

2108 IL Sivcev (174/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 14 Oct 1985. Yugoslavia: Zemun, Belgrade.

2109 IL Sivcev (184/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 14 Oct 1985. Yugoslavia: Zemun, Belgrade.

2110 IL Sivcev (185/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 14 Oct 1985. Yugoslavia: Zemun, Belgrade.

2112 IL Sivcev (229/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 21 Oct 1986. Yugoslavia: Zemun, Belgrade.

2114 IL Sivcev (271/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.

2115 IL Sivcev (280/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.

2116 IL Sivcev (282/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.

2117 IL Sivcev (284/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.

2118 IL Sivcev (291/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.

2119 IL Sivcev (294/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.

2120 IL Sivcev (297/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.

2121 IL Sivcev (301/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.

2122 IL Sivcev (304/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 30 Oct 1985. Yugoslavia: Zemun, Belgrade.

2123 IL Sivcev (198/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 17 Oct 1985. Yugoslavia: Bijeljina, Bosnia and Hercegovina.

2124 IL Sivcev (249/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 25 Oct 1985. Yugoslavia: Futog.

2128 IL Sivcev (261/85). *Brevicoryne brassicae* [Homoptera: Aphididae] on cabbage. 25 Oct 1985. Yugoslavia: Futog.

2280 IL Sivcev (46/86). *Brevicoryne brassicae* [Homoptera: Aphididae]. 23 Jun 1986. Yugoslavia: PKB commune, Zemun, Belgrade.

2293 IL Sivcev (53/86). *Brevicoryne brassicae* [Homoptera: Aphididae]. 23 Jun 1986. Yugoslavia: PKB commune, Zemun, Belgrade.

2298 IL Sivcev. [Homoptera: Aphididae]. Acc'd 18 Nov 1986. Yugoslavia: PKB commune, Zemun, Belgrade.

2583 K Hural (HG7202). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 20 Jul 1988. USA: Lansing, New York.

2584 K Hural (HG7203). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 20 Jul 1988. USA: Lansing, New York.

2585 K Hural (HG7204). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 20 Jul 1988. USA: Lansing, New York.

2587 K Hural (HG7207). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 20 Jul 1988. USA: Lansing, New York.

2588 K Hural (HG7208). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 20 Jul 1988. USA: Lansing, New York.

2589 K Hural (HG7209). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 20 Jul 1988. USA: Lansing, New York.

2591 K Hural (HG72011). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 20 Jul 1988. USA: Lansing, New York.

2592 K Hural (HG72012). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 20 Jul 1988. USA: Lansing, New York.

2593 K Hural (HG72013). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 20 Jul 1988. USA: Lansing, New York.

2594 K Hural (HG72014). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 20 Jul 1988. USA: Lansing, New York.

2754 K Hural (Au-7). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 24 May 1989. USA: Aurora, New York.

2755 K Hural (FR-14). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 26 May 1989. USA: Ithaca, New York.

2756 K Hural (Ma-1). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 11 Jul 1989. USA: Malone, New York.

2757 K Hural (Au-15). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 7 Jun 1989. USA: Aurora, New York.

2758 K Hural (FR-7). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 26 May 1989. USA: Ithaca, New York.

2760 K Hural (Au-8). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 24 May 1989. USA: Aurora, New York.

2761 K Hural (Au-6). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 24 May 1989. USA: Aurora, New York.

2762 K Hural (Au-1). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 24 May 1989. USA: Aurora, New York.

2763 K Hural (FR-12). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 26 May 1989. USA: Ithaca, New York.

2766 K Hural (Au-10). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 7 Jun 1989. USA: Aurora, New York.

2767 K Hural (Au-14). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 7 Jun 1989. USA: Aurora, New York.

2768 K Hural (Au-11). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 7 Jun 1989. USA: Aurora, New York.

2769 K Hural (Au-21). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 7 Jun 1989. USA: Aurora, New York.

2773 K Hural (FR-4). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 26 May 1989. USA: Ithaca, New York.

2781 K Hural (Au-20). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 7 Jun 1989. USA: Aurora, New York.

2782 K Hural (Fe-2). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 11 Jul 1989. USA: Malone, New York.

2783 K Hural (Ma-2). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 11 Jul 1989. USA: Malone, New York.

2784 K Hural (Au-17). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 7 Jun 1989. USA: Aurora, New York.

2837 K Hural (Au-28). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Aurora, New York.

2838 K Hural (Au-26). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Aurora, New York.

2839 K Hural (Au-27). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Aurora, New York.

2840 K Hural (FR-16). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.

2842 K Hural (FR-18). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.

2844 K Hural (FR-19). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.

2845 K Hural (FR-20). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.

2846 K Hural (FR-21). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.

2847 K Hural (Au-29). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Aurora, New York.

2848 K Hural (Au-24). *Acyrthosiphon pisum* [Homoptera: Aphididae]. 7 Jun 1989. USA: Aurora, New York.

2851 K Hural (FR-10). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 26 May 1989. USA: Ithaca, New York.

2852 K Hural (FR-1). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 26 May 1989. USA: Ithaca, New York.

2853 K Hural (FR-22). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.

2854 K Hural (Au-4). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 24 May 1989. USA: Aurora, New York.

2855 K Hural (Au-30). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Aurora, New York.

2856 K Hural (MP-2). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 16 Jun 1989. USA: Ithaca, New York.

2865 K Hural (FR-23). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.

2866 K Hural (FR-24). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.

2867 K Hural (FR-25). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.

2868 K Hural (EW-5). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 30 May 1989. USA: Trumansburg, New York.

2870 K Hural (FR-8). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 26 May 1989. USA: Ithaca, New York.

2872 K Hural (FR-26). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.

2873 K Hural (MP-5). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 16 Jun 1989. USA: Ithaca, New York.

2874 MG Feng (MD8930). *Metopolophium dirhodum* [Homoptera: Aphididae]. Jul 1989. USA: Parma, Idaho.

2875 MG Feng (MD8931). *Metopolophium dirhodum* [Homoptera: Aphididae]. Jul 1989. USA: Parma, Idaho.

2876 MG Feng (MD8932). *Metopolophium dirhodum* [Homoptera: Aphididae]. Jul 1989. USA: Parma, Idaho.

3081 SP Wraight. *Diuraphis noxia* [Homoptera: Aphididae]. 18 Jul 1990. USA: irrigated barley field, Piedmont Organic Produce Farm, Wellington, Colorado.

3082 SP Wraight. *Diuraphis noxia* [Homoptera: Aphididae]. 28 Jun 1990. USA: non-irrigated barley field, George Varra farm, Fort Collins, Colorado.

3126 G Mercadier and TJ Poprawski (9014). *Diuraphis noxia* [Homoptera: Aphididae] on *Hordeum murinum*. 10 May 1990. France: Montpellier, Hérault.

3174 G Mercadier and TJ Poprawski (9015). *Diuraphis noxia* [Homoptera: Aphididae] on wheat. 11 May 1990. France: Montpellier, Hérault.

3175 G Mercadier and TJ Poprawski (9016). *Diuraphis noxia* [Homoptera: Aphididae] on *Agropyron repens*. 11 May 1990. France: Montpellier, Hérault.

3234 I Majchrowicz (28). *Acyrthosiphon pisum* [Homoptera: Aphididae] on pea. Jul 1991. USA: Morgan Farm, Mt. Vernon, Washington.

3237 I Majchrowicz (32). *Acyrthosiphon pisum* [Homoptera: Aphididae] on pea. Jul 1991. USA: Dave Boon, Mt. Vernon, Washington.

3238 I Majchrowicz (37). *Aphis fabae* [Homoptera: Aphididae] on pineapple weed. Jul 1991. USA: Morgan Farm, Mt. Vernon, Washington.

3240 I Majchrowicz (58). *Acyrthosiphon pisum* [Homoptera: Aphididae] on bean. 31 Jul 1991. USA: garden nr. University of Idaho, Moscow, Idaho.

3241 I Majchrowicz (83). *Aphis fabae* [Homoptera: Aphididae] on *Chenopodium album*. 10 Aug 1991. USA: nr. cages, Yakima, Washington.

3248 DC Steinkraus (1). *Myzus persicae* [Homoptera: Aphididae] on turnip greens. 28 Nov 1990. USA: Washington County, Arkansas.

3249 DC Steinkraus (2). *Myzus persicae* [Homoptera: Aphididae] on turnip greens. 28 Nov 1990. USA: Washington County, Arkansas.

3250 DC Steinkraus (5). *Myzus persicae* [Homoptera: Aphididae] on turnip greens. 28 Nov 1990. USA: Washington County, Arkansas.

3251 DC Steinkraus (6). *Myzus persicae* [Homoptera: Aphididae] on turnip greens. 28 Nov 1990. USA: Washington County, Arkansas.

3365 N Underwood ← SP Wraight. *Metopolophium dirhodum* [Homoptera: Aphididae] on late-sown spring wheat. 9 Jul 1991. USA: SW Idaho R/E Center, Parma, Idaho.

3366 N Underwood ← SP Wraight. *Schizaphis graminum* [Homoptera: Aphididae] on late-sown spring wheat. 5 Jul 1991. USA: SW Idaho R/E Center, Parma, Idaho.

3367 N Underwood ← SP Wraight. *Metopolophium dirhodum* [Homoptera: Aphididae] on late-sown spring wheat. 5 Jul 1991. USA: SW Idaho R/E Center, Parma, Idaho.

3410 I Majchrowicz (71). *Aphis* sp. [Homoptera: Aphididae] on *Tanacetum vulgare* L. 8 Aug 1991. USA: Bellingham, Washington.

3411 I Majchrowicz (8) ← GL Nordin. *Myzus nicotinae* [Homoptera: Aphididae]. Rec'd 20 Sep 1991. USA: Kentucky.

3412 I Majchrowicz ← GL Nordin. *Myzus nicotinae* [Homoptera: Aphididae]. Rec'd 20 Sep 1991. USA: Kentucky.

3459 I Majchrowicz (10) ← GL Nordin. *Myzus nicotinae* [Homoptera: Aphididae]. Rec'd 20 Sep 1991. USA: Kentucky.

4934 [IACR-Rothamsted NW 231] JK Pell (NW 231). *Acyrthosiphon pisum* [Homoptera: Aphididae]. 24 Mar 1995. Laboratory manipulation: Reisolation.

5371 C Nielsen (KVL 1996-1). *Brevicoryne brassicae* [Homoptera: Aphididae]. 22 Sep 1996. Denmark: Hegnstrup, Slangerup, Zealand.

5372 C Nielsen (KVL 1996-2). *Brevicoryne brassicae* [Homoptera: Aphididae]. 20 Sep 1996. Denmark: Hegnstrup, Slangerup, Zealand.

5373 C Nielsen (KVL 1996-3). *Brevicoryne brassicae* [Homoptera: Aphididae]. 20 Sep 1996. Denmark: Hegnstrup, Slangerup, Zealand.

5374 C Nielsen (KVL 1996-4). *Brevicoryne brassicae* [Homoptera: Aphididae]. 11 Oct 1996. Denmark: Hegnstrup, Slangerup, Zealand.

5403 C Nielsen. *Sitobion avenae* [Homoptera: Aphididae] on *Hordeum murinum* L. Aug 1995. Denmark: Copenhagen, Valbyparken, Zealand.

5707 JL Hatting (5). *Metopolophium dirhodum* [Homoptera: Aphididae] on *Triticum aestivum* L. 4 Sep 1997. South Africa: Riviersonderend, Western Cape Province.

5708 JL Hatting (6). *Metopolophium dirhodum* [Homoptera: Aphididae] on *Triticum aestivum*. 4 Sep 1998. South Africa: Riviersonderend, Western Cape Province.

5995 C Nielsen (KVL 98-21). Alate, *Aphis fabae* [Homoptera: Aphididae] on *Euonymus europaea*. 9 Oct 1998. Denmark: Copenhagen, Zealand.

6166 K Dromph (KVL 633). *Sitobion avenae* [Homoptera: Aphididae] on *Hordeum murinum*. 13 Aug 1995. Denmark: Valbyparken, Copenhagen, Zealand.

6631 PS Duetting (G1). *Acyrthosiphon pisum* [Homoptera: Aphididae] on *Pisum sativum* cv. Columbia, garden peas. 25 Jun 2000. USA: University of Idaho Kambitsch Research Farm, Latah County, Idaho.

6902 MR McGuire. [Homoptera: Aphididae] from roadside patch of *Malva* sp., mallow. 7 Feb 2001. USA: Intersection of Road 14 and Avenue 22, Madera County, California. Live aphids collected were a mixture of *Myzus persicae* Sulzer and *Aphis gossypii* Glover.

7212 AE Hajek (03 NY 7-3-4). *Aphis glycines* [Homoptera: Aphididae]. 7 Aug 2003. USA: Field number 4, North Rose, New York.

7213 AE Hajek (03 NY 7-4-1). *Aphis glycines* [Homoptera: Aphididae]. 7 Aug 2003. USA: Field number 4, North Rose, New York.

7214 AE Hajek (03 NY 7-4-2). *Aphis glycines* [Homoptera: Aphididae]. 26 Aug 2003. USA: Field number 4, North Rose, New York.

7226 AE Hajek (03 NY 7-4-3). *Aphis glycines* [Homoptera: Aphididae]. 27 Aug 2003. USA: Field number 4, North Rose, New York.

7937 *Acyrthosiphon pisum* [Homoptera: Aphididae]. 16 Jul 1998. Switzerland: Zurich.

7938 *Microlophium carnosum* [Homoptera: Aphididae]. 2 Jul 1996. Switzerland: Schaffhausen.

7939 16 Jul 1998. Switzerland: Zurich.

8607 AE Hajek (03 NY 7-3-4). *Aphis glycines* [Homoptera: Aphididae]. 7 Aug 2003. USA: Field number 4, North Rose, New York.

Pandora nouryi (Remaudière & Hennebert) Humber
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

199 [CSIRO EM652] RT Mietkiewski. [Homoptera: Aphididae] on potato. 1 Sep 1977. USA: Rogers Farm, Stillwater, Maine.

362 CSIRO (EM538) ← R Teakle. *Acyrthosiphon kondoi* [Homoptera: Aphididae]. Rec'd 1979. Australia: Gatton, Queensland.

366 [IPLB 1066] CSIRO (EM542) ← JP Latgé. *Therioaphis maculata* [Homoptera: Aphididae]. Rec'd 22 Jan 1979. USA.

8930 MG Feng (ZJU0603) and ZH Huang. Air-trapped alate, *Lipaphis erysimi* [Homoptera: Aphididae]. 23 Mar 2006. PR China: Menghai County, Yunnan Province.

8931 MG Feng (ZJU0604) and ZH Huang. Air-trapped alate, *Lipaphis erysimi* [Homoptera: Aphididae]. Jun 2006. PR China: Menghai County, Yunnan Province.

Paraisaria dubia Samson & BL Brady
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5764 DG Holdom (900118-01). Larva, *Antitrogus rugulosus* [Coleoptera: Scarabaeidae: Melolonthinae] under sugar cane, in sandy soil. Sep 1990. Australia: On the coastal plain south of Brisbane, Rocky Point, Queensland.

***Penicillium* sp.**
[Eurotiomycetes: Eurotiales]
Trichocomaceae. No species of this genus have been satisfactorily demonstrated to be a primary pathogen of insects. Its presence on or in insect cadavers should be interpreted as necrophytic or accidental.

2643 DW Roberts ← VLRM Benassi. *Orthezia praelonga* [Homoptera: Ortheziidae]. 12 Sep 1988. Brazil: Linhares, Espírito Santo.

2747 GW Riethmacher (B4P). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 19 Jan 1989. Philippines: La Trinidad, Benguet.

2834 AE Hajek ← K Tatman (MD97#18). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Jun 1989. USA: Baltimore County, Maryland.

2836 AE Hajek ← K Tatman (MD110#28). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Jun 1989. USA: Baltimore County, Maryland.

2950 [CP 278] SP Wraight ← E Dias Quintela. *Chalcodermus bimaculatus* [Coleoptera: Curculionidae]. 23 Jun 1989. Brazil: CNPAF, Goiânia, Goiás.

3036 W Mechaber (weevil#2272). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Vaccinium angustifolium*. 20 May 1990. USA: Carver, Massachusetts.

4143 [DAT 38] AC Rath (F038). Soil. 1987. Australia: Glen Morey, Woodbury, Tasmania.

4144 [DAT 78] AC Rath (F078). Soil. 31 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

4146 [DAT 86] AC Rath (F086). Soil. 28 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.

4148 [DAT 134] AC Rath (F134) ← Davis. Adult, *Vespula germanica* [Hymenoptera: Vespidae]. 1 Oct 1988. Australia: Davis, RSD4551, Scottsdale, Tasmania.

4182 [DAT 225] AC Rath (F225) ← H Yip (HY136). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.

4223 [DAT 39] AC Rath (F039). Soil. 1987. Australia: Woodbury, Tasmania.

4263 [DAT 43] AC Rath (F043) ← RJ Milner (Fl17). Live, *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 13 Feb 1980. Australia: Ebor, New South Wales.

4666 [DAT 348] AC Rath (F348) ← H Yip (HY10). Soil. 28 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

5335 P Narayanasamy. *Hieroglyphus banian* [Orthoptera: Acrididae] Rice foliage. 8 Feb 1996. India: Rice fields, Annamalai University, Tamil Nadu.

5733 E Zhioua (AB). *Ixodes scapularis* [Acari: Ixodidae]. Rec'd 11 Jun 1998. USA: Carolina, Rhode Island.

6357 5th instar larva, *Zulia colombiana* [Homoptera: Cercopidae]. 22 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6359 Adult, *Zulia colombiana* [Homoptera: Cercopidae]. 18 May 1999. Colombia: La Palma Farm, Santander de Quilichao, Cauca.

6603 M Benjamin (27K). Engorged larva, *Ixodes scapularis* [Acari: Ixodidae]. 25 Aug 2000. USA: New York.

7974 BC King (54). *Tetranychus urticae* [Acari: Tetranychidae] from rosemary oil leaf-disc bioassay. 2004. Canada: University of British Columbia laboratory, Vancouver, British Columbia. GenBank match - AF455492 (96.79%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

7976 BC King (57). *Drosophila* sp. [Diptera: Drosophilidae] from Tanglefoot trap. 2004. Canada: University of British Columbia laboratory, Vancouver, British Columbia. GenBank match - AY373925 (100%) ITS. **RESTRICTED ACCESS:** *consult Curator*.

Penicillium sumatrense Szilvinyi
[Eurotiomycetes: Eurotiales]
Trichocomaceae

7099 CE Beard. Larva, *Camponotus* sp. [Hymenoptera: Formicidae]. Rec'd 3 Apr 2003.

Penicillium thomii Maire
[Eurotiomycetes: Eurotiales]
Trichocomaceae

2056 [NRRL A-27471] GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Penicillium vulpinum (Cooke & Massee) Seifert & Samson
[Eurotiomycetes: Eurotiales]
Trichocomaceae

7057 KT Hodge. From dung. 25 Sep 2002. USA: Ringwood-Lloyd Preserve, Dryden, New York.

***Phialophora* sp.**
[Hyphomycetes]

4751 [DAT 354] AC Rath (F354) ← H Yip (HY4). Soil. 23 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

Phialophora malorum (Kidd & Beaumont) McColloch
[Hyphomycetes]

2072 GC Carroll (RSRS-24/68). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

***Phoma* sp.**
[Coelomycetes]

9920 [ERL 1755] S Gouli and V Gouli (HWA-G-33). *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: Maine.

9923 [ERL 1765] S Gouli and V Gouli (HWA-G-43). *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

Phoma cava Schulzer
[Dothideomycetes: Pleosporales]

2071 GC Carroll (HO-O-Hatch VIII). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Phycomyces blakesleeanus Burgeff
[Mucormycotina: Mucorales]
Phycomycetaceae.

6103 Rec'd 22 Mar 1999.

6104 Rec'd 22 Mar 1999.

Plesiospora globosa Drechsler
[Sordariomycetes: Hypocreales]

5608 SL Glockling (N1). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

***Pochonia* sp.**
[Sordariomycetes: Hypocreales]

10261 CG Wilson (mg4). *Habrotrocha elusa elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Pochonia bulbillosa(?) (W Gams & Malla) Zare & W Gams
[Sordariomycetes: Hypocreales]
Clavicipitaceae

1365 S Balazy (1615). Rec'd 19 May 1984. Poland.

3035 W Mechaber (weevil#2209). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Gaylussacia baccata*. 20 May 1990. USA: Carver, Massachusetts.

Pochonia chlamydosporia (Goddard) Zare & W Gams
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Major synonym: *Verticillium chlamydosporium* Goddard

3314 M Brownbridge. Larva, [Coleoptera: Scarabaeidae]. Rec'd 19 Mar 1991. USA: Perry's sugar maple stand, Orange County, Vermont.

3539 M Brownbridge (B-1). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. 29 Nov 1991. USA: oak stand, Leddy Park, Chittenden County, Vermont.

7128 LA Castrillo. Isolated from soil sample. Summer 2002. USA: Peacemeal Farm, Dixmont, Maine. Single spore isolate established from a CFU.

8478 WC Luz (eco 97). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

9494 [SRCAMB AS-429] V Likhovidov. Isolated from soil sample. Mar 2002. Russian Federation: Belgorod Region. Field Collection Number F-256.

Pochonia chlamydosporia* var. *chlamydosporia
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Synonym: *Verticillium chlamydosporium* Goddard

2218 [CNPAF 86-06-05-6; CP 214] DW Roberts ← DMF Capalbo. *Lagria vilosa* [Coleoptera: Lagriidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.

7852 [SRCAM F-256] V Likhovidov (Fu-39) ← BA Borisov (B-429). Rec'd 14 Mar 2005.

Pochonia microbactrospora W Gams & Zare in Zare, W Gams & HC Evans
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Synonym: *Verticillium bactrosporum* (Drechsler) Subramanian

5616 SL Glockling (CM2a). Phylum Nemata from cow manure. 4 Aug 1997. United Kingdom: N.E. England.

5619 SL Glockling (PNS). Rec'd 2 Dec 1997. Japan.

Pochonia suchlasporia (W Gams & Dackman) Zare & W Gams
[Sordariomycetes: Hypocreales]
Clavicipitaceae

9495 [SRCAMB B-247] V Likhovidov ← BA Borisov. Larva, Phylum Arthropoda, Class Insecta Isolated from stroma of *Cordyceps* sp. 14 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-308.

Pochonia suchlasporia* var. *catenata (Gams & Dackman) Zare & W Gams
[Sordariomycetes: Hypocreales]
Clavicipitaceae. Major synonym: *Verticillium suchlasporium* var. *catenatum* W. Gams & Dackman

2064 [ATCC 64259; CBS 789.85; NRRL A-27472] GC Carroll (E). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

Podonectria coccicola Petch
[Dothideomycetes: Dothideales]
Tubeufiaceae

3736 AY Rossman ← ME Palm ← Marsicano. 26 Mar 1992. USA: Kissimmee, Florida.

***Polycephalomyces* sp.**
[Sordariomycetes: Hypocreales]

9496 [SRCAMB VL-1325/1] V Likhovidov. [Coleoptera]. 8 Jul 2003. Russian Federation: Vladivostok, Primorsky Krai. Field Collection Number F-619.

9497 [SRCAMB VL-1951] V Likhovidov. [Coleoptera: Carabidae]. 25 Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-1106.

Polycephalomyces formosus Kobayasi
[Sordariomycetes: Hypocreales]

1424 S Balazy (1431). Larva, *Calosoma* sp. [Coleoptera: Carabidae] at ground level in deciduous forest. 29 Jul 1981. Poland: Wielkopolski National Park. Recevied as *Acremonium terricola* (Miller et al.) W. Gams.

Polycephalomyces ramosus (Peck) Mains
[Sordariomycetes: Hypocreales]

4858 JM Sung (C-419). Adult, [Hemiptera: Pentatomidae]. 3 Jul 1994. Republic of Korea: KNU Experiment Forest, Kangwon National University. Mycoparasite on stroma of *Cordyceps* sp. (perhaps *C. nutans*).

7095 J Bischoff ← GF Bills and JF White. Larva, [Lepidoptera]. Jun 1999. Mexico: Xalapa.

Polycephalomyces tomentosus (Schrader) Seifert
[Sordariomycetes: Hypocreales]

5353 KT Hodge (kth27). *Hemitrichia serpula* [Trichiales: Trichiaceae]. Oct 1994. USA: Coy Glen, Ithaca, New York.

Powellomyces variabilis Longcore, DJS Barr, Désaulniers
[Chytridiomycetes: Spizellomycetales]
Olpidiaceae

6260 MJ Powell. Rec'd 8 Sep 1999.

Pseudogibellula formicarum (Mains) Samson & HC Evans
[Sordariomycetes: Hypocreales]

2913 CBS (433.73) ← HC Evans. [Homoptera: Cercopidae] on leaf of Theobroma cacao. 1973. Ghana: Tafo, Eastern. GenBank ITS sequence: AY945231.

5765 DG Holdom (980203-02). [Homoptera: Flatidae ?] on *Lantana camara*. Mar 1998. Australia: Beechmont, Queensland.

5766 DG Holdom (980203-03). [Homoptera: Flatidae ?] on *Lantana camara*. Mar 1998. Australia: Beechmont, Queensland.

Pseudomeria mucosa GL Barron
[Sordariomycetes: Hypocreales]

8993 CG Wilson (std1a). *Habrotrocha elusa* [Bdelloida: Habrotrochidae]. 25 Oct 2008. USA: Stewart Park, shore of Cayuga Lake, Ithaca, New York.

9383 CG Wilson (io5). *Habrotrocha elusa* [Bdelloida: Habrotrochidae]. Rec'd 18 Nov 2009. USA: Ithaca, New York.

9384 CG Wilson (iy7). May 2009. USA: graveyard, Baker Hill, Dryden, New York.

10262 CG Wilson (ns4). *Adineta* sp. [Bdelloida: Adinetidae] maintained in culture as bait. 5 Nov 2009. Japan: Komabano Park, Tokyo, Tokyo Prefecture. Isolated from soil and moss.

10272 CG Wilson (mf3). *Adineta* sp. [Bdelloida: Adinetidae]. 30 Sep 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Purpureocillium lilacinum (Thom) Luangsa-ard, Houbraken, Hywel-Jones & Samson
[Sordariomycetes: Hypocreales]

Synonym: it Paecilomyces lilacinus. Ophiocordycipitaceae. This species is the type of a monotypic new genus erected following the phylogenetic reclassification of *Paecilomyces* Section *Isarioidea*. This species can cause human mycoses, mainly of the eye, but probably presents little or no risk if handled with routine sterile microbiological techniques for transfers or bioassay procedures, etc. Avoid chronic and/or large-scale exposure to airborne conidia to minimize any health risks.

410 CW McCoy. *Diaprepes abbreviata* [Coleoptera: Curculionidae]. 20 Jul 1979. USA: Apopka, Florida.

531 DW Roberts (82180-13b). [Hemiptera: Pentatomidae]. 21 Aug 1980. Malaysia.

723 [CNPAF 82-1-6-10; CP 17] RA Daoust. *Lagria vilosa* [Coleoptera: Lagriidae]. 6 Jan 1982. Brazil: CNPAF, Goiânia, Goiás.

763 PM Chang. *Scotinophara coarctata* [Hemiptera: Pentatomidae]. 3 Feb 1982. Malaysia: Rice Research Center, Mardi, Bumbong Lima, Icepala Batas, Wellesley Province.

986 J Aoki (Paec. 5) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Suginami, Tokyo Prefecture.

1058 [CNPS 30B] F Moscardi. Larva, *Chlosyne lacinia saundersii* [Lepidoptera: Nymphalidae]. 1983. Brazil: Londrina, Paraná.

1951 [CENARGEN CG 301; CNPAF 85-05-02; CP 176] R Pereira. *Cerotoma* sp. [Coleoptera: Chrysomelidae]. 2 May 1985. Brazil: Campos, Rio de Janiero.

2078 [CP 196] JC Lord and BP Magalhães. *Deois flavopicta* [Homoptera: Cercopidae]. 1985. Brazil: Hidrolândia, Goiás.

2155 BN Muthappa (PNG 12710). *Anoplolepsis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.

2181 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: Matalom, Leyte.

2182 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: Ormoc, Leyte.

2183 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Peru.

2184 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: University of the Philippines, Los Baños, Manila.

2185 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: Carigara, Leyte.

2186 MC Rombach ← LT Villacarlos. Egg mass, *Meloidogyne* sp. [Tylenchida: Heteroderidae] on potato. Acc'd 31 May 1986. Philippines: Abuyog, Leyte.

2215 [CNPAF 86-06-05-2; CP 211] DW Roberts ← PMOJ Neves. *Tibraca limbativentres* [Hemiptera: Pentatomidae]. 5 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.

2233 K Narayanan (8). *Meloidogyne* sp. [Tylenchida: Heteroderidae]. Rec'd 27 Aug 1986. India.

2952 [CP 273] SP Wraight ← CA da Silva. *Lagria vilosa* [Coleoptera: Lagriidae]. 8 Nov 1988. Brazil: CNPAF, Goiânia, Goiás.

3047 MS Goettel (4B-A). Soil. Jul 1990. Mali: Mordiah.

3049 MS Goettel (4B-B). Soil. Jul 1990. Mali: Mordiah.

3469 CENARGEN (CG 181). Soil. Jun 1990. Brazil: Canarana, Mato Grosso.

3481 CENARGEN (CG 36). Egg, *Deois flavopicta* [Homoptera: Cercopidae]. Sep 1991. Brazil: Brasília, Distrito Federal.

3511 I Quintela (VL3). Rec'd 13 Dec 1991. Location not specified.

3512 I Quintela (VL4). Rec'd 13 Dec 1991. Location not specified.

3846 LA Lacey (92144). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] Jasmine. Rec'd 24 Nov 1992. India: Rampur.

3854 [JB Tavares BRA-000167] MS Tigano-Milani (CG-371). Rec'd 13 Jan 1993. Brazil.

5805 DA Rodríguez Sierra (UJ89001). *Opsiphanes cassinae* [Lepidoptera: Nymphalidae] on *Elaeis guineensis*. Rec'd 7 Aug 1998. Colombia: Cesar.

5876 FE Vega (EBCL 98005). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.

5877 FE Vega (EBCL 98008). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.

5880 FE Vega (EBCL 98015). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.

5882 FE Vega (EBCL 98022). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. Oct 1997. Benin: Niaouli.

6018 BL Parker ← V Gouli (SPT-R-183). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Sep 1998. Russian Federation: Volgograd.

6021 BL Parker ← V Gouli (SPT-R-196). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6024 BL Parker ← V Gouli (SPT-R-206). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6026 BL Parker ← V Gouli (SPT-R-246). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6080 BL Parker (SPT-2-319/1). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6081 BL Parker (SPT-U-325). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 13 Jan 1999. Uzbekistan: GPS coordinates - N 40°52.116', E 069°55.812'.

6082 BL Parker (SPT-U-329). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.

6084 BL Parker (SPT-U-306). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 16 Jan 1999. Uzbekistan: Site d, SW of Samarkand, Mirankul region.

6094 BL Parker (SPT-U-332). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.

6110 BL Parker (SPT-2-279). Adult, [Coleoptera: Scarabaeidae]. 24 Jan 1999. Syria: Al Kseabiia.

6114 BL Parker (SPT-2-345). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 24 Jan 1999. Syria: Al Kseabiia.

6116 BL Parker (SPT-2-359). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 24 Jan 1999. Syria: Al Kseabiia.

6117 BL Parker (SPT-U-361). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 18 Jan 1999. Uzbekistan: GPS coordinates - N 40°50.450', E 069°56.680'.

6183 FE Vega (EBCL 99017). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 2 Dec 1998. Benin: Porto-Novo, Ouémé.

6188 FE Vega (EBCL 99024). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Dec 1998. Benin: Site 3, Niaouli.

6190 FE Vega (EBCL 99027). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Dec 1998. Benin: Site 2, Niaouli.

6197 FE Vega (EBCL 99036). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. 2 Dec 1998. Benin: Porto-Novo, Ouémé.

6247 [RCEF 0200] [Homoptera: Cicadidae]. 12 May 1997. PR China: Anhui.

6340 Adult, *Zulia pubescens* [Homoptera: Cercopidae]. 23 Jan 1997. Colombia: Farm of C.I. Macagual, Florencia, Caquetá.

6494 BL Parker (SPT-KZ-431). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:.**
contact Curator

6502 BL Parker (SPT-KZ-461). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 4 Feb 2000. Kazakhstan: GPS Coordinates N 43°22.366' E 077°20.486'. **RESTRICTED ACCESS:.**
contact Curator

6621 Acc'd 20 May 2003.

6985 [PPRI 7098] JL Hatting. *Diuraphis noxia* [Homoptera: Aphididae]. 14 Jan 2002. South Africa: ARC-Small Grain Institute Greenhouse, Bethlehem, Orange Free State.

7478 [CEP 071] C López Lastra. *Triatoma infestans* [Hemiptera: Reduviidae]. 17 Dec 2003. Argentina: Santiago del Estero.

7545 BJ Cole (C25). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 3217. Summer 2004. USA: Mesa County, Colorado.

7546 BJ Cole (C31). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony c574. Summer 2004. USA: Mesa County, Colorado.

7547 BJ Cole (C40). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 620. Summer 2004. USA: Mesa County, Colorado.

7548 BJ Cole (C41). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony c3860. Summer 2004. USA: Mesa County, Colorado.

8268 RJ Pereault (plsi#1). Isolated from soil sample. Jul 2006. USA: orchard B, Frankfort, Michigan.

8269 RJ Pereault (plsi#2). Isolated from soil sample. Jul 2006. USA: orchard A, Frankfort, Michigan.

8311 A Monzòn (BE157). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Mar 2006. Nicaragua: Masatepe, Masaya. Soil samples collected from a plot of low input coffee with nitrogen fixing shade species *Albizia saman* (Jacq.) F. Muell. and *Inga laurina* (Sw.) Willd.

8312 A Monzòn (BE175). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Mar 2006. Nicaragua: Masatepe, Masaya.

8456 RB Rosengaus. Egg, *Nasutitermes corniger* [Isoptera: Termitidae]. 24 Apr 2007. Panama: Smithsonian Tropical Research Institute, Gamboa.

8477 WC Luz (eco 86). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8483 WC Luz (eco 112) or (T40). Phylum Arthropoda, Class Insecta. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8600 [CSIRO FI-0938] 5 Aug 1992. Gray contaminant on Rose Bengal medium.

8918 [ERL 196] BL Parker (AVRDC 0058B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8919 [ERL 213] BL Parker (AVRDC 0286B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8920 [ERL 267] BL Parker (AVRDC 0527B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8921 [ERL 268] BL Parker (AVRDC 0529B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

8922 [ERL 280] BL Parker (AVRDC 0587B). *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 1994. Republic of China: Taiwan.

9238 [ERL 688] M Brownbridge (CA-126) and S Gouli. Isolated from soil sample. 2002. USA: California.

9239 [ERL 818] M Brownbridge (CA-128) and V Gouli. Isolated from soil sample. 2002. USA: California.

9240 [ERL 821] M Brownbridge (CA-131) and S Gouli. Isolated from soil sample. 2002. USA: California.

9356 ST Jaronski (TX0902). Isolated from soil on dodine medium. Rec'd 10 Nov 2009. USA: onion field, Weslaco, Texas. Plot 6 sample A2 (bulk soil).

9357 ST Jaronski (TX0903). Isolated from soil on dodine medium. Rec'd 10 Nov 2009. USA: onion field, Weslaco, Texas. Plot 18 sample A2 (bulk soil).

9371 A Morales (#1A). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae]. 5 Nov 2004. USA: Battle Island State Park Golf Course, Fulton, New York.

9522 [SRCAMB VL-1330/1] V Likhovidov. Isolated from surface of stroma of *Cordyceps roseus*10 Jul 2003. Russian Federation: Kedrovaya Pad Nature Reserve, Primorsky Krai. Field Collection Number F-592.

9523 [SRCAMB VL-818] V Likhovidov. [Homoptera: Cicadellidae]. 16 Jul 2002. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-756.

9524 [SRCAMB VL-2059] V Likhovidov. Larva, [Coleoptera: Elateridae] Isolated from *Cordyceps* sp. Aug 2005. Belarus: Belavezhskaya Puscha National Park. Field Collection Number F-882.

9525 [SRCAMB AS-485] V Likhovidov. Isolated from soil sample. 22 May 2004. Ukraine: Askania-Nova Reserve, Kherson Oblast. Field Collection Number F-951.

9526 [SRCAMB AS-638] V Likhovidov. Isolated from soil sample. 11 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-1015.

9528 [SRCAMB VL-1485/4] V Likhovidov. [Araneida]. 8 Sep 2004. Russian Federation: Caucasus region, Sochi District, Krasnodarsky Krai. Field Collection Number F-535.

9604 H Cortez Madrigal. [Homoptera]. Rec'd 5 Mar 2010. Mexico: Yucatán.

9610 PB Avery (B2-1) or (1 DAT 10^{-2}). *Singhiella simplex* [Homoptera: Aleyrodidae] on leaf of *Ficus benjamina* L., weeping fig. 27 Sep 2009. USA: Edwards Road, Fort Pierce, Florida. Isolated from a leaf wash.

10127 [ERL 588] Rec'd 17 May 2010.

10128 [ERL 689] S Gouli (CA-127) and V Gouli. Isolated from soil sample. 2002. USA: California.

10129 [ERL 819] S Gouli and V Gouli (CA-129). Isolated from soil sample. 2002. USA: California.

10130 [ERL 820] S Gouli (CA-130) and V Gouli. Isolated from soil sample. 2002. USA: California.

10225 A Khan. *Edessa meditabunda* [Hemiptera: Pentatomidae] on *Datura* sp. 20 Jun 2010. West Indies: Barrackpore, Trinidad.

***Pythium* sp.**
[Peronosporomycetes: Pythiales]
Pythiaceae

5731 X Su (51-2). Aug 1994. PR China: Guiyang City , Guizhou Province.

5732 X Su (6244). 24 Jun 1995. PR China: Guiyang City , Guizhou Province.

Ramicandelaber longisporus Ogawa, Hayashi, Degawa & Yaguchi
[Kickxellomycotina: Kickxellales]
Originally designated in ARSEF as *Tetrarhiza sinensis* but same fungus published as it Ramicandelaber longispora

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6175 SF Meyer (L0321). Eggs/cysts, *Heterodera glycines* [Tylenchida: Heteroderidae] from roots and soil in soybean field. 30 Aug 1992. PR China: Tong County, Beijing.

6176 SF Meyer (L0355). Eggs/cysts, *Heterodera glycines* [Tylenchida: Heteroderidae] from roots and soil in soybean field. 30 Aug 1992. PR China: Tong County, Beijing.

6327 RA Humber (1). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

6328 RA Humber (2). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

6329 RA Humber (3). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

6330 RA Humber (4). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

6331 RA Humber (5). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

6332 RA Humber (6). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

6333 RA Humber (7). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

6334 RA Humber (8). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

6335 RA Humber (9). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

6336 RA Humber (10). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

6337 RA Humber (11). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

6338 RA Humber (12). Single spore reisolate of ARSEF 6175. Rec'd 5 Nov 1999. Laboratory manipulation.

Regiocrella camerunensis Chaverri, JF Bischoff, HC Evans & KT Hodge
[Sordariomycetes: Hypocreales]
Clavicipitaceae

7682 P Chaverri (PC 725) ← HC Evans (I03-1242). 2003. Cameroon: Korup National Park, Sud-Ouest.

***Rhinocladiella(?)* sp.**
[Eurotiomycetes: Chaetothyriales]
Herpotrichiellaceae

9365 [ERL 1665] S Gouli and V Gouli (HWA-G-22). *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

9922 [ERL 1763] S Gouli and V Gouli (HWA-G-41). *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

Rhizophlyctis rosea (de Bary & Woronin) Fischer
[Chytridiomycetes: Spizellomycetales]
Spizellomycetaceae

6261 MJ Powell. Rec'd 8 Sep 1999.

Rhizophydium sphaerotheca Zopf
[Chytridiomycetes: Rhizophydiales]
Rhizophydiaceae

6262 MJ Powell. Rec'd 8 Sep 1999.

***Rotiferophthora* sp.**
[Sordariomycetes: Hypocreales]

9542 CG Wilson (io3). *Habrotrocha elusa elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 12 May 2009. USA: Cornell Lab of Ornithology, Ithaca, New York. Isolated from material collected in a sphagnum bog.

9543 CG Wilson (io10). *Habrotrocha elusa elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 12 May 2009. USA: Warren Road, Cornell Research Ponds facility, Ithaca, New York. Isolated from soil.

9544 CG Wilson (jp1). *Adineta* sp. [Bdelloida: Adinetidae] maintained in culture as bait. 28 May 2009. Japan: Mount Nikko-Shirane, Gunma Prefecture. Isolated from moss collected from the understory of a conifer forest.

9545 CG Wilson (jp8). *Habrotrocha* sp. [Bdelloida: Habrotrochidae] maintained in culture as bait. 26 May 2009. Japan: park near a river, Shiobara, Tochigi Prefecture. Isolated from moss.

9546 CG Wilson (kara2). *Habrotrocha* sp. [Bdelloida: Habrotrochidae] maintained in culture as bait. 27 May 2009. Japan: Karasawa limestone mine, Tochigi Prefecture. Isolated from moss.

10263 CG Wilson (mg2). *Habrotrocha elusa elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

10264 CG Wilson (mg16). *Habrotrocha elusa elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

10265 CG Wilson (mm28). *Habrotrocha* sp. [Bdelloida: Habrotrochidae] occurring naturally. 7 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

10266 CG Wilson (na13). *Adineta* sp. [Bdelloida: Adinetidae] occurring naturally. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Rotiferophthora amamiensis Glockling
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5609 SL Glockling (N5). Phylum Rotifera from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Rotiferophthora angustispora (GL Barron) GL Barron
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5610 SL Glockling (WG). Phylum Rotifera from decaying straw. 10 Aug 1997. United Kingdom: N.E. England.

8991 CG Wilson (ei10). *Habrotrocha elusa* [Bdelloida: Habrotrochidae]. 25 Oct 2008. USA: Stewart Park, shore of Cayuga Lake, Ithaca, New York.

9385 CG Wilson (io9). 12 May 2009. USA: Cornell Research Ponds facility, Dryden, New York.

9386 CG Wilson (io19). May 2009. USA: Ithaca, New York.

9498 [SRCAMB VL-1709/2] V Likhovidov. [Trichoptera]. 23 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-774.

Rotiferophthora barronii Glockling
[Sordariomycetes: Hypocreales]

10267 CG Wilson (iy23). *Adineta* sp. [Bdelloida: Adinetidae]. May 2009. USA: graveyard, Lansing, New York. Isolated from moss and soil.

Rotiferophthora brevipes GL Barron
[Sordariomycetes: Hypocreales]

8994 CG Wilson (ned1). 25 Oct 2008. USA: Cornell Research Ponds facility, Neimi Site, Dryden, New York.

Rotiferophthora cylindrospora GL Barron
[Sordariomycetes: Hypocreales]

8992 CG Wilson (std1b). *Habrotrocha elusa elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 25 Oct 2008. USA: Stewart Park, shore of Cayuga Lake, Ithaca, New York. Isolated from moss and waterfowl droppings.

9547 CG Wilson (iy10). *Habrotrocha* sp. [Bdelloida: Habrotrochidae]. May 2009. USA: graveyard, Lansing, New York. Isolated from soil.

9548 CG Wilson (iy24). *Habrotrocha* sp. [Bdelloida: Habrotrochidae]. 12 May 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from mud.

10273 CG Wilson (Lt39). *Habrotrocha elusa elusa* [Bdelloida: Habrotrochidae]. 14 Sep 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York.

Rotiferophthora denticulospora GL Barron
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5614 SL Glockling (RW2a). Phylum Rotifera from rabbit dung. 1 Jul 1997. United Kingdom: Cheshire, England.

9549 CG Wilson (iy21). *Habrotrocha* sp. [Bdelloida: Habrotrochidae]. 12 May 2009. USA: Warren Road, field near Cornell Research Ponds facility, Ithaca, New York. Isolated from soil.

Rotiferophthora globospora GL Barron
[Sordariomycetes: Hypocreales]

8995 CG Wilson (ei16). 25 Oct 2008. USA: Cornell Plantations, Mundy Wildflower Garden, Ithaca, New York.

10268 CG Wilson (mg10). *Adineta* sp. [Bdelloida: Adinetidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Rotiferophthora guttulaspora GL Barron
[Sordariomycetes: Hypocreales]

10269 CG Wilson (nr12). *Habrotrocha elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Isolated from soil.

Rotiferophthora intermedia (GL Barron) GL Barron
[Sordariomycetes: Hypocreales]

10270 CG Wilson (wet17). *Habrotrocha elusa* [Bdelloida: Habrotrochidae]. 3 Jul 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York.

Rotiferophthora japonica Glockling
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5611 SL Glockling (Nelumbo). Phylum Rotifera from lotus leaves. 24 Oct 1995. Japan: Tokyo, Tokyo Prefecture.

Rotiferophthora lacrima Glockling
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5612 SL Glockling (LD4). Phylum Rotifera from decaying vegetation. 13 Feb 1997. Japan: Ibaraki, Ibaraki Prefecture.

Rotiferophthora minutispora Glockling
[Sordariomycetes: Hypocreales]
Clavicipitaceae

5613 SL Glockling (12). Phylum Rotifera from soil. 14 Mar 1996. Japan: Chiba, Chiba Prefecture.

Rotiferophthora ovispora (GL Barron) GL Barron
[Sordariomycetes: Hypocreales]

10274 CG Wilson (db1). *Habrotrocha elusa elusa* [Bdelloida: Habrotrochidae] maintained in culture as bait. 12 May 2008. USA: Tower Road, Cornell University, Ithaca, New York. Isolated from soil collected beneath a tree.

Rotiferophthora tagenophora (Drechsler) GL Barron
[Sordariomycetes: Hypocreales]

9387 CG Wilson (io21). May 2009.

***Saprolegnia* sp.**
[Oomycetes: Saprolegniales]
Saprolegniaceae

179 I MacDaniel. Larva, [Diptera: Simuliidae]. 18 Jun 1977. USA: Little River, South Penobscot, Maine.

180 I MacDaniel. Larva, [Diptera: Simuliidae]. 18 Jun 1977. USA: Little River, South Penobscot, Maine.

6427 CE Beard (DP0100). [Diptera: Chironomidae]. 26 Jan 2000. USA: Clemson University, Lamaster Dairy, Willard's Pond outflow, Clemson, South Carolina.

***Schizangiella* sp.**
[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae

2237 R Blaschke-Hellmessen (1). *Elaphe* sp. [Squamata: Colubridae] from granuloma in gut. Rec'd 30 Sep 1986. Germany: Dresden.

2239 R Blaschke-Hellmessen (14). *Elaphe* sp. [Squamata: Colubridae] from granuloma in gut. Acc'd 30 Sep 1986. Germany: Dresden.

Schizangiella serpentis Humber (sp. nov.,unpubl.)
[Entomophthoromycotina: Entomophthorales]
Basidiobolaceae

203 AA Padhye (CDC 76-075022). Female adult, *Crotalus horridus* [Squamata: Viperidae]. May 1974. USA: Baltimore Zoological Park, Baltimore, Maryland.

8000 B Burwell ← R Legge. *Elaphe obsoleta* [Squamata: Colubridae]. 23 Feb 2006. USA: Powhatan School, Boyce, Virginia.

8047 B Burwell ← R Legge. *Elaphe obsoleta* [Squamata: Colubridae]. 14 Jun 2006. USA: Powhatan School, Boyce, Virginia. Isolated during necropsy of snake from which ARSEF 8000 was previously obtained.

***Scopulariopsis* sp.**
[Sordariomycetes: Microascales]

2169 BN Muthappa (PNG 12725). [Coleoptera: Curculionidae]. Rec'd 12 May 1986. Papua New Guinea.

2255 TJ Poprawski (8628). Larva, *Lymantria dispar* [Lepidoptera: Lymantriidae] on oak tree. 7 Jul 1986. France: Porto-Vecchio, Corsica.

2327 TJ Poprawski (8651). Nymph, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] on potato. 6 Nov 1986. France: Cognac, Charente.

2328 TJ Poprawski (8652). Pupa, *Lucilia illustris* [Diptera: Calliphoridae] on chicken dung. 16 Oct 1986. France: Béhoust, Yvelines.

3189 GW Riethmacher (B43c). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrioidae] as a trap. 3 May 1990. Philippines: La Trinidad, Benguet.

3203 GW Riethmacher (EB10). *Plutella xylostella* [Lepidoptera: Plutellidae]. 12 Mar 1990. Philippines: La Trinidad, Benguet.

5164 S Gouli (GP-68). *Adelges tsugae* [Homoptera: Adelgidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.

6624 Acc'd 28 May 2003.

8421 AE Hajek (WU6). *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. Jul 2000. PR China: Wuhe, Anhui.

8422 AE Hajek (WU18). Jul 2000. PR China: Wuhe, Anhui.

8423 AE Hajek (WU21). Jul 2000.

8825 [CSIRO FI-1201] *Bemisia tabaci* [Homoptera: Aleyrodidae] on *Brassica oleracea* L., cabbage. 30 Dec 1996. French Polynesia: Tahiti.

8826 [CSIRO FI-1202] *Bemisia tabaci* [Homoptera: Aleyrodidae] on *Brassica oleracea* L., cabbage. 30 Dec 1996. French Polynesia: Tahiti.

8827 [CSIRO FI-1206] *Bemisia tabaci* [Homoptera: Aleyrodidae] on *Lantana camara* L., lantana. 30 Dec 1996. French Polynesia: Tahiti.

10309 [ERL 1954] S Gouli and V Gouli (SB-10-1). *Halyomorpha halys* [Hemiptera: Pentatomidae]. Sep 2010. USA: New Jersey.

10310 [ERL 1955] S Gouli (SB-10-2) and V Gouli. *Halyomorpha halys* [Hemiptera: Pentatomidae]. Oct 2010. USA: New Jersey.

Scopulariopsis brevicaulis (Saccardo) Bainier
[Sordariomycetes: Microascales]
Microascaceae

9943 A Torres Barragan (Ral12T). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from vermicompost. Rec'd 23 Apr 2010. USA: Raleigh, North Carolina.

Septobasidium apiculatum Couch
[Pucciniomycetes: Septobasidiales]
Septobasidiaceae

7096 DA Henk (DAH 093). on *Quercus phellos* L., Willow Oak2 May 2002. USA: Boligee, Alabama.

Septobasidium burtii Lloyd
[Pucciniomycetes: Septobasidiales]
Septobasidiaceae

7097 DA Henk (DAH 129A). on *Quercus phellos* L., Willow Oak24 Jul 2002. USA: Duke University campus, corner of Anderson and East Campus Drive, Durham, North Carolina.

7098 DA Henk (DAH 129B). on *Quercus phellos* L., Willow Oak24 Jul 2002. USA: Duke University campus, corner of Anderson and East Campus Drive, Durham, North Carolina.

Septobasidium carestianum Bresadola
[Pucciniomycetes: Septobasidiales]
Septobasidiaceae

6473 DJ McLaughlin (DJM 644-SS6). [Homoptera: spf. Coccoidea] on branches of *Cornus* sp. 29 Jun 1989. USA: Camp Gray, Baraboo, Wisconsin. Reference specimen in MIN.

***Simplicillium* sp.**
[Sordariomycetes: Hypocreales]
Cordycipitaceae

6584 G Sewify (6). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Jul 1999. Egypt.

Simplicillium lamellicola (FEV Smith) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae. Major synonym: *Verticillium lamellicola* (F.E.V. Smith) W Gams

1367 S Balazy (1541) ← Wisniewski. [Acari: Oribatidae]. 29 Apr 1983. Poland: coniferous forest, Zwierzyniec, nr. Grodzisk, Warsaw.

6448 [NRRL 52709] Z G/Tsadik (1-02/03). *Aiolopus longicornis* [Orthoptera: Acrididae]. 4 Sep 1999. Ethiopia: Kobo, Welo.

9479 [SRCAMB VL-1786] V Likhovidov. *Carabus* sp. [Coleoptera: Carabidae]. 29 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-738.

9480 [SRCAMB VL-1760/1] V Likhovidov. [Diptera: Muscidae]. 27 Aug 2005. Ukraine: Autonomous Republic of Crimea. Field Collection Number F-856.

9481 [SRCAMB VL-1695] V Likhovidov. [Homoptera: Aleyrodidae]. 18 Sep 2004. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-504.

Simplicillium lamellicola(?) (FEW Smith) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7989 Acc'd 26 Apr 2006. **RESTRICTED ACCESS:** *consult Curator*.

Simplicillium lanosoniveum (F. H. Beyma) Zare & W. Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae

6430 [EMBRAPA/CPAC] DEN Rangel (CPAC H1). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 14 Feb 2000. French Guiana.

6431 [EMBRAPA/CPAC] DEN Rangel (CPAC H3). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 14 Feb 2000. French Guiana.

6432 [EMBRAPA/CPAC] DEN Rangel (CPAC H6). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 14 Feb 2000. French Guiana.

6636 SB Alves (ESALQ 1226). *Leptopharsa heveae* [Hemiptera: Tingidae]. 28 Sep 1998. Brazil: Itiquira, Mato Grosso.

6637 SB Alves (ESALQ 1227). *Leptopharsa heveae* [Hemiptera: Tingidae]. 28 Sep 1998. Brazil: Itiquira, Mato Grosso.

6642 SB Alves (ESALQ 1237). *Leptopharsa heveae* [Hemiptera: Tingidae]. 11 Nov 1998. Brazil: Brasília, Distrito Federal.

7623 [SRCAMB VL-879] V Likhovidov. *Parthenolecanium corni* [Homoptera: Coccidae]. Aug 2002. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-232.

8822 WC Luz. [Diptera: Culicidae] Culicine mosquito. Nov 2008. Tanzania: 8?23" S, 36?40" E (Ulanga District), Lupiro, Morogoro.

Simplicillium lanosoniveum(?) (F. H. Beyma) Zare & W Gams
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7988 Rec'd 29 Mar 2006. **RESTRICTED ACCESS:** *consult Curator*.

***Smittium* sp.**
[Kickxellomycotina: Harpellales]
Harpellaceae

9034 RW Lichtwardt (CR-259-4). [Diptera: Chironomidae]. Nov 1991. Costa Rica.

9035 RW Lichtwardt (CR-239-12). *Tanytarsus* sp. [Diptera: Chironomidae]. Nov 1991. Costa Rica.

9038 RW Lichtwardt (TN-24-W8). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

9050 RW Lichtwardt (NOR-59-2). *Psectrocladius limbatellus* [Diptera: Chironomidae]. Aug 2002. Norway.

9051 RW Lichtwardt (OR-4-W6). [Diptera]. Sep 2006. USA: Oregon.

9065 RW Lichtwardt (ALG-16-W28). [Diptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

9070 RW Lichtwardt (TN-27-W1B). Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

9072 RW Lichtwardt (NOR-25-W10A). May 2002. Norway.

9079 RW Lichtwardt (culture 12-1-3). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.

9081 RW Lichtwardt (TN-24-W11). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

9086 RW Lichtwardt (OR-18-W33). [Diptera: Tipulidae]. Sep 2005. USA: Oregon.

9087 RW Lichtwardt (AR-19-4S). [Diptera: Chironomidae]. Nov 1992. USA: Madison County, Arkansas.

9088 RW Lichtwardt (ALG-16-W27). [Diptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

9119 RW Lichtwardt (ARG-17-4F). [Plecoptera: Gripopterygidae]. Jul 1996. Argentina: Neuquén.

9120 RW Lichtwardt (CR-169-22). *Polypedilum* sp. [Diptera: Chironomidae]. Jun 1988. Costa Rica.

9121 RW Lichtwardt (MO-16-2). *Orthocladius* sp. [Diptera: Chironomidae]. Jun 1988. USA: Missouri.

9145 RW Lichtwardt (MO-6-5). [Diptera: Chironomidae]. Apr 1993. USA: Missouri.

9146 RW Lichtwardt (SWE-3-5). *Orthocladius* sp. [Diptera: Chironomidae]. Jul 1971. Sweden: Norrbotten.

9147 RW Lichtwardt (SWI-7-6). *Pseudokiefferiella* sp. [Diptera: Chironomidae]. Aug 1971. Switzerland.

9148 RW Lichtwardt (TN-46-W8B). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

9265 RW Lichtwardt (ALG-16-WXXX). [Diptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

Smittium acutum Lichtwardt & Grigg
[Kickxellomycotina: Harpellales]
Harpellaceae

9092 RW Lichtwardt (OK-5-1). [Diptera: Chironomidae]. May 1990. USA: Haskell County, Oklahoma.

Smittium angustum MC Williams & Lichtwardt
[Kickxellomycotina: Harpellales]

9241 RW Lichtwardt (AUS-126-30). *Tanytarsus* sp. [Diptera: Chironomidae]. Apr 1991. Australia: Western Australia.

Smittium annulatum Lichtwardt
[Kickxellomycotina: Harpellales]

9242 RW Lichtwardt (CR-143-8). [Diptera: Simuliidae]. May 1988. Costa Rica.

Smittium caudatum Lichtwardt & Grigg
[Kickxellomycotina: Harpellales]

9000 RW Lichtwardt (OK-3-20). [Diptera: Chironomidae]. Jan 1989. USA: Oklahoma.

9261 RW Lichtwardt (OK-3-21). [Diptera: Chironomidae]. Jan 1989. USA: Haskell County, Oklahoma.

Smittium coloradense Lichtwardt & MC Williams
[Kickxellomycotina: Harpellales]

9001 RW Lichtwardt (RMBL-13-41). *Cricotopus* sp. [Diptera: Chironomidae]. Jul 1985. USA: Gunnison County, Colorado.

9002 RW Lichtwardt (RMBL-13-49). *Orthocladius* sp. [Diptera: Chironomidae]. Jul 1985. USA: Gunnison County, Colorado.

Smittium commune Lichtwardt & Grigg
[Kickxellomycotina: Harpellales]
Harpellaceae

9085 RW Lichtwardt (KS-2-25). [Diptera: Chironomidae]. Mar 1989. USA: Douglas County, Kansas.

9243 RW Lichtwardt (KS-5-4). *Microtendipes* sp. [Diptera: Chironomidae]. Apr 1993. USA: Anderson County, Kansas.

9244 RW Lichtwardt (KS-5-7). *Microtendipes* sp. [Diptera: Chironomidae]. Apr 1993. USA: Anderson County, Kansas.

9245 RW Lichtwardt (KS-5-8). *Microtendipes* sp. [Diptera: Chironomidae]. Apr 1993. USA: Anderson County, Kansas.

Smittium culicis Manier
[Kickxellomycotina: Harpellales]
Harpellaceae

5431 RW Lichtwardt (ARG-X-3) ← C Lopez Lastra (#2). 4th instar larva, *Culex renatoi* [Diptera: Culicidae] on *Eryngium cabrerae*. Rec'd 2 May 1997. Argentina: Punta Lara, Boca Cerrada, Ensenada, Buenos Aires.

5432 RW Lichtwardt (ARG-X-4) ← C López Lastra (#3). 4th instar larva, *Aedes albifasciatus* [Diptera: Culicidae]. Rec'd 2 May 1997. Argentina: Punta Lara, Boca Cerrada, Ensenada, Buenos Aires.

9003 RW Lichtwardt (43-1-2). *Chironomus* sp. [Diptera: Chironomidae]. Aug 1996. Australia: Tasmania.

9004 RW Lichtwardt (ARG-X-4). *Aedes albifasciatus* [Diptera: Culicidae]. May 1995. Argentina: La Plata, Buenos Aires.

9005 RW Lichtwardt (AUS-62-10). *Austrothaumalea* sp. [Diptera: Thaumaleidae]. Mar 1987. Australia: Victoria.

9006 RW Lichtwardt (AUS-62-16). *Limonia* sp. [Diptera: Tipulidae]. Mar 1987. Australia: Victoria.

9007 RW Lichtwardt (LCF-43-2). *Corynoneura* sp. [Diptera: Chironomidae]. Jan 1998. New Zealand: South Island.

9008 RW Lichtwardt (LEA-7-10). *Simulium vittatum* [Diptera: Simuliidae]. Jul 1981. USA: Leavenworth County, Kansas.

9009 RW Lichtwardt (WYO-51-11). *Aedes sticticus* [Diptera: Culicidae]. Sep 1965. USA: Teton County, Wyoming.

9010 RW Lichtwardt (GSMNP). [Diptera: Culicidae]. Dec 1989. USA: Great Smoky Mountains National Park, Tennessee.

9011 RW Lichtwardt (NY-2-C25). [Diptera: Chironomidae]. Nov 1998. USA: New York.

9031 RW Lichtwardt (ARG-X-3). [Diptera: Culicidae]. 1997. Argentina: Buenos Aires.

9040 RW Lichtwardt (AUS-62-17). *Limonia* sp. [Diptera: Tipulidae]. Mar 1987. Australia: Victoria.

9041 RW Lichtwardt (AUS-62-6). *Austrothaumalea* sp. [Diptera: Thaumaleidae]. Mar 1987. Australia: Victoria.

9045 RW Lichtwardt (FRA-15-5). *Chironomus* sp. [Diptera: Chironomidae]. Jul 1968. France: nr. Grenoble, Isère.

9046 RW Lichtwardt (FRA-15-7). *Chironomus* sp. [Diptera: Chironomidae]. Jul 1968. France: nr. Grenoble, Isère.

9057 RW Lichtwardt (T-12-1-4). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.

9059 RW Lichtwardt (UT-11-W(a)). [Diptera]. Jan 2006. USA: Utah.

9073 RW Lichtwardt (ALG-16-W3). [Diptera: Culicidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

9074 RW Lichtwardt (ZEA-6-3). *Culex pervigilans* [Diptera: Culicidae]. Jul 1983. New Zealand: North Island.

9084 RW Lichtwardt (LCF-8-1). [Diptera: Thaumaleidae]. Dec 1997. New Zealand: North Island.

9091 RW Lichtwardt (ALG-5-W8). [Diptera: Tipulidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

9093 RW Lichtwardt (LCF-43-12). *Corynoneura* sp. [Diptera: Chironomidae]. Jan 1998. New Zealand: South Island.

9123 RW Lichtwardt (culture 12-1-2). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.

9124 RW Lichtwardt (culture 35-1-1). [Diptera: Thaumaleidae]. Aug 1996. Australia: Tasmania.

9125 RW Lichtwardt (AUS-77-5). *Tanytarsus* sp. [Diptera: Chironomidae]. Mar 1987. Australia: Tasmania.

9126 RW Lichtwardt (CAN-X-1). *Prosimulium* sp. [Diptera: Simuliidae]. 1962. Canada.

9127 RW Lichtwardt (FRA-6-16). [Diptera: Chironomidae]. Jun 1968. France: Hérault.

9128 RW Lichtwardt (FRA-9-1). *Culex* sp. [Diptera: Culicidae]. Jun 1968. France: Hérault.

9129 RW Lichtwardt (FRA-15-2). [Diptera: Chironomidae]. Jul 1968. France: Southeastern France.

9130 RW Lichtwardt (WYO-51-14). *Aedes sticticus* [Diptera: Culicidae]. Sep 1965. USA: Teton County, Wyoming.

9140 RW Lichtwardt (culture 12-1-1). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.

9141 RW Lichtwardt (culture 12-1-4). [Diptera: Culicidae]. Aug 1996. Australia: Tasmania.

9142 RW Lichtwardt (culture 43-1-2). *Chironomus* sp. [Diptera: Chironomidae]. Aug 1996. Australia: Tasmania.

9143 RW Lichtwardt (ALG-5-W2b). *Dactylolabis montana* [Diptera: Tipulidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

9149 RW Lichtwardt (FRA-8-7). *Culex* sp. [Diptera: Culicidae]. Jun 1968. France: Montpellier, Hérault.

Smittium culicisoides Lichtwardt
[Kickxellomycotina: Harpellales]
Harpellaceae

9044 RW Lichtwardt (CR-253-12). [Diptera: Chironomidae]. Nov 1991. Costa Rica.

Smittium culisetae Lichtwardt
[Kickxellomycotina: Harpellales]
Harpellaceae

5200 C López Lastra (2'). Larva, *Aedes crinifer* [Diptera: Culicidae]. 24 Nov 1995. Costa Rica: Buenos Aires, Puntarenas.

5430 RW Lichtwardt (ARG-X-2) ← C Lopez Lastra (#1). 4th instar larva, *Culex dolosus* [Diptera: Culicidae]. Rec'd 2 May 1997. Argentina: Punta Lara, Boca Cerrada, Ensenada, Buenos Aires.

6810 CE Beard (DP170696). Cytospecies IIIL-1, *Simulium vittatum* [Diptera: Simuliidae]. 17 Jun 1996. USA: Clemson University, Lamaster Dairy, Willard's Pond outflow, Clemson, South Carolina.

7100 CE Beard. 25 Feb 2003. USA: Bull Pen Bog, Jackson County, North Carolina.

9012 RW Lichtwardt (COL-18-3). *Culiseta impatiens* [Diptera: Culicidae]. Aug 1963. USA: Gunnison County, Colorado.

9013 RW Lichtwardt (FL-X-1). *Aedes albopictus* [Diptera: Culicidae]. Mar 1993. USA: Florida.

9014 RW Lichtwardt (HAW-14-8). *Aedes albopictus* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.

9015 RW Lichtwardt (JAP-77-9). [Diptera: Culicidae]. Jul 1967. Japan: Kyushu.

9016 RW Lichtwardt (KS-108-02). *Aedes vexans* [Diptera: Culicidae]. Apr 2004. USA: Douglas County, Kansas.

9017 RW Lichtwardt (KS-108-06). *Aedes vexans* [Diptera: Culicidae]. Apr 2004. USA: Douglas County, Kansas.

9018 RW Lichtwardt (LEA-7-4). *Simulium vittatum* [Diptera: Simuliidae]. Jul 1981. USA: Leavenworth County, Kansas.

9024 RW Lichtwardt (La-6a-L1). [Diptera: Culicidae]. Feb 2002. USA: Baton Rouge Parish, Louisiana.

9025 RW Lichtwardt (AUS-2-8). *Chironomus alternans* [Diptera: Chironomidae]. Jul 1983. Australia: New South Wales.

9026 RW Lichtwardt (KAU-W-4). [Diptera: Culicidae]. Oct 1984. USA: Kauai, Hawaii.

9032 RW Lichtwardt (SC-DP-1). *Simulium vittatum* [Diptera: Simuliidae]. Jun 1996. USA: Pickens County, South Carolina.

9039 RW Lichtwardt (TN-27-A8). *Ochlerotatus japonicus* [Diptera: Culicidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.

9047 RW Lichtwardt (HAW-5-8). *Aedes albopictus* [Diptera: Culicidae]. Jan 1964. USA: Hawaii.

9048 RW Lichtwardt (JAP-30-4). *Culex* sp. [Diptera: Culicidae]. Jun 1964. Japan: Shikoku.

9056 RW Lichtwardt (SMO599). *Culex restuans* [Diptera: Culicidae]. May 1999. USA: Pickens County, South Carolina.

9058 RW Lichtwardt (TN-46-6). [Diptera: Culicidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.

9062 RW Lichtwardt (WYO-44-9). *Culiseta* sp. [Diptera: Culicidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.

9069 RW Lichtwardt (TN-27-A8). *Ochlerotatus japonicus* [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

9071 RW Lichtwardt (TN-46-A10). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

9075 RW Lichtwardt (ARG-X-5). [Diptera: Culicidae]. 1997. Argentina: La Plata, Buenos Aires.

9094 RW Lichtwardt (ARG-X-1). *Aedes crinifer* [Diptera: Culicidae]. 1997. Argentina: La Plata, Buenos Aires.

9095 RW Lichtwardt (CAL-X-2). *Culiseta incidens* [Diptera: Culicidae]. 1962. USA: California.

9096 RW Lichtwardt (CLW-2-44). *Simulium vittatum* [Diptera: Simuliidae]. 1965. USA: Minnesota.

9097 RW Lichtwardt (FRA-7-1). *Dasyhelea* sp. [Diptera: Ceratopogonidae]. Jun 1968. France.

9098 RW Lichtwardt (HAW-E-2). [Diptera: Culicidae]. Oct 1982. USA: Hawaii.

9099 RW Lichtwardt (HAW-5-5). *Aedes albopictus* [Diptera: Culicidae]. Dec 1963. USA: Oahu, Hawaii.

9100 RW Lichtwardt (HAW-5-7). *Aedes albopictus* [Diptera: Culicidae]. Jan 1964. USA: Oahu, Hawaii.

9101 RW Lichtwardt (HAW-5-9). *Aedes albopictus* [Diptera: Culicidae]. Jan 1964. USA: Oahu, Hawaii.

9102 RW Lichtwardt (HAW-13-2). *Aedes vexans* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.

9103 RW Lichtwardt (HAW-13-3). *Aedes vexans* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.

9104 RW Lichtwardt (HAW-14-5). *Aedes albopictus* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.

9105 RW Lichtwardt (HAW-14-5M). *Aedes albopictus* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.

9106 RW Lichtwardt (HAW-14-7). *Aedes albopictus* [Diptera: Culicidae]. Feb 1964. USA: Oahu, Hawaii.

9107 RW Lichtwardt (JAP-30-3). *Culex* sp. [Diptera: Culicidae]. Jun 1964. Japan: Shikoku.

9108 RW Lichtwardt (JAP-30-8). *Culex* sp. [Diptera: Culicidae]. Jun 1964. Japan: Shikoku.

9109 RW Lichtwardt (JAP-57-1). [Diptera: Culicidae]. Jul 1964. Japan: Honshu.

9110 RW Lichtwardt (JAP-77-7). [Diptera: Culicidae]. Jul 1967. Japan: Kyushu.

9111 RW Lichtwardt (JAP-77-8). [Diptera: Culicidae]. Jul 1967. Japan: Kyushu.

9112 RW Lichtwardt (LEA-7-2). *Simulium vittatum* [Diptera: Simuliidae]. Jul 1981. USA: Leavenworth County, Kansas.

9113 RW Lichtwardt (TN-24-A3). [Diptera: Culicidae]. Aug 2004. USA: Great Smoky Mountains National Park, Tennessee.

9114 RW Lichtwardt (WYO-42-26). *Orthocladius* sp. [Diptera: Chironomidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.

9115 RW Lichtwardt (WYO-44-1). *Culiseta* sp. [Diptera: Culicidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.

9131 RW Lichtwardt (ARG-X-2). *Culex dolosus* [Diptera: Culicidae]. Nov 1995. Argentina: Buenos Aires.

9132 RW Lichtwardt (SWI-4-13). [Diptera: Chironomidae]. Aug 1971. Switzerland.

9133 RW Lichtwardt (WYO-44-8). *Culiseta* sp. [Diptera: Culicidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.

9246 RW Lichtwardt (NE-27-1). *Aedes vexans* [Diptera: Culicidae]. Jul 1979. USA: Kearney County, Nebraska.

9247 RW Lichtwardt (WYO-44-15). [Diptera: Culicidae]. Jul 1965. USA: Grand Teton National Park, Wyoming.

Smittium cylindrosporum Lichtwardt & Arenas
[Kickxellomycotina: Harpellales]

9116 RW Lichtwardt (CHI-27-1). *Cricotopus* sp. [Diptera: Chironomidae]. Dec 1993. Chile: Southern Chile.

9248 RW Lichtwardt (CHI-20-04). *Cricotopus* sp. [Diptera: Chironomidae]. Oct 1993. Chile: Southern Chile.

9249 RW Lichtwardt (CHI-20-7). *Cricotopus* sp. [Diptera: Chironomidae]. Oct 1993. Chile: Southern Chile.

Smittium dipterorum Lichtwardt
[Kickxellomycotina: Harpellales]

9250 RW Lichtwardt (CR-254-13). *Chironomus* sp. [Diptera: Chironomidae]. Nov 1991. Costa Rica.

9263 RW Lichtwardt (CR-253-14). *Simulium* sp. [Diptera: Simuliidae]. Nov 1991. Costa Rica.

Smittium elongatum Lichtwardt
[Kickxellomycotina: Harpellales]

9251 RW Lichtwardt (AUS-59-5S). [Diptera: Chironomidae]. Mar 1987. Australia: Victoria.

Smittium fecundum Lichtwardt & MC Williams
[Kickxellomycotina: Harpellales]
Legeriomycetaceae

9022 RW Lichtwardt (RMBL-64-5). *Psectrocladius* sp. [Diptera: Chironomidae]. Jul 1995. USA: Gunnison County, Colorado.

9083 RW Lichtwardt (RMBL-61-13). *Psectrocladius* sp. [Diptera: Chironomidae]. Jul 1995. USA: Gunnison County, Colorado.

Smittium gravimetallum Lichtwardt, Ferrington & Harford
[Kickxellomycotina: Harpellales]

9029 RW Lichtwardt (KS-F1-15). *Dicrotendipes fumidus* [Diptera: Chironomidae]. Jun 1996. USA: Cherokee County, Kansas.

9036 RW Lichtwardt (KS-F1-5). *Dicrotendipes fumidus* [Diptera: Chironomidae]. Jun 1996. USA: Cherokee County, Kansas.

9264 RW Lichtwardt (KS-F1-14). *Dicrotendipes fumidus* [Diptera: Chironomidae]. Jun 1996. USA: Cherokee County, Kansas.

Smittium imitatum Lichtwardt & Arenas
[Kickxellomycotina: Harpellales]
Harpellaceae

9033 RW Lichtwardt (CHI-9-4). *Simulium* sp. [Diptera: Simuliidae]. Dec 1993. Chile: Los Lagos.

Smittium lentaquaticum Siri, MM White & Lichtwardt
[Kickxellomycotina: Harpellales]

9068 RW Lichtwardt (TN-27-A4). *Chironomus* sp. [Diptera: Chironomidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

9082 RW Lichtwardt (TN-27-A5). [Diptera: Culicidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

9253 RW Lichtwardt (TN-27-A3(s)). *Chironomus* sp. [Diptera: Chironomidae]. Jul 2004. USA: Great Smoky Mountains National Park, Tennessee.

Smittium megazygosporum Manier & Coste
[Kickxellomycotina: Harpellales]
Harpellaceae

6275 CE Beard (DP161096). Cytospecies IIIL-1, *Simulium vittatum* [Diptera: Simuliidae]. 16 Oct 1996. USA: Clemson University, Lamaster Dairy, Willard's Pond outflow, Clemson, South Carolina.

9037 RW Lichtwardt (SC-DP-2). *Simulium vittatum* [Diptera: Simuliidae]. Jun 1997. USA: Pickens County, South Carolina.

Smittium megazygosporum(?)
[Kickxellomycotina: Harpellales]

9027 RW Lichtwardt (BLH-16). *Orthocladius* sp. [Diptera: Chironomidae]. Jan 1999. USA: Chase County, Kansas.

Smittium morbosum Sweeney
[Kickxellomycotina: Harpellales]
Harpellaceae

9060 RW Lichtwardt (WKRa). *Ochlerotatus triseriatus* [Diptera: Culicidae]. Sep 2006. USA: South Carolina.

9061 RW Lichtwardt (WKRb). *Ochlerotatus triseriatus* [Diptera: Culicidae]. Sep 2006. USA: South Carolina.

Smittium mucronatum Manier & Mathiez ex Manier
[Kickxellomycotina: Harpellales]
Harpellaceae

9028 RW Lichtwardt (FRA-12-3). *Psectrocladius sordidellus* [Diptera: Chironomidae]. Jul 1968. France: Hérault.

9063 RW Lichtwardt (ALG-10-S8). [Diptera]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

9067 RW Lichtwardt (ALG-7-W7). [Diptera: Chironomidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

9090 RW Lichtwardt (ALG-7-W6). [Diptera: Chironomidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

9144 RW Lichtwardt (ALG-7-W10). [Diptera: Chironomidae]. Aug 2004. Canada: Algonquin Provincial Park, Ontario.

Smittium orthocladii Manier
[Kickxellomycotina: Harpellales]
Harpellaceae

9080 RW Lichtwardt (TN-3-4). [Diptera: Chironomidae]. Dec 1989. USA: Sumner County, Tennessee.

Smittium perforatum(?)
[Kickxellomycotina: Harpellales]

9055 RW Lichtwardt (RMBL-44-3). *Diamesa* sp. [Diptera: Chironomidae]. Jul 1995. USA: Gunnison County, Colorado.

Smittium phytotelmatum Lichtwardt
[Kickxellomycotina: Harpellales]
Harpellaceae

9076 RW Lichtwardt (CR-133-2). *Chironomus* sp. [Diptera: Chironomidae]. May 1988. Costa Rica.

Smittium simulatum Lichtwardt & Arenas
[Kickxellomycotina: Harpellales]
Harpellaceae

9042 RW Lichtwardt (CHI-8-7). *Aphrophila bidentata* [Diptera: Tipulidae]. Dec 1993. Chile: Southern Chile.

9078 RW Lichtwardt (CHI-8-3). *Aphrophila bidentata* [Diptera: Tipulidae]. Dec 1993. Chile: Southern Chile.

9117 RW Lichtwardt (CHI-8-4). *Aphrophila bidentata* [Diptera: Tipulidae]. Dec 1993. Chile: Southern Chile.

Smittium simulii Lichtwardt
[Kickxellomycotina: Harpellales]

9019 RW Lichtwardt (JAP-32-4). [Diptera: Chironomidae]. May 1964. Japan: Shikoku.

9043 RW Lichtwardt (CLW-10-6). *Simulium* sp. [Diptera: Simuliidae]. Aug 1965. USA: Minnesota.

9049 RW Lichtwardt (JAP-57-5). [Diptera: Simuliidae]. Jul 1964. Japan: Honshu.

9118 RW Lichtwardt (CLW-10-5). *Simulium* sp. [Diptera: Simuliidae]. 1965. USA: Minnesota.

9134 RW Lichtwardt (CLW-9-15). *Simulium* sp. [Diptera: Simuliidae]. 1965. USA: Minnesota.

9135 RW Lichtwardt (JAP-31-7). *Simulium uchidai* [Diptera: Simuliidae]. May 1964. Japan: Shikoku.

9136 RW Lichtwardt (JAP-33-2). [Diptera: Chironomidae]. May 1964. Japan: Shikoku.

9137 RW Lichtwardt (JAP-51-5). *Simulium* sp. [Diptera: Simuliidae]. Jul 1964. Japan: Honshu.

9138 RW Lichtwardt (JAP-51-18). *Simulium* sp. [Diptera: Simuliidae]. Jul 1964. Japan: Honshu.

9139 RW Lichtwardt (SWE-8-4). *Diamesa* sp. [Diptera: Chironomidae]. Jul 1971. Sweden: Norrbotten.

Smittium stenosporum
[Kickxellomycotina: Harpellales]

9023 RW Lichtwardt (OK-3-14). *Cricotopus* sp. [Diptera: Chironomidae]. Jan 1989. USA: Haskell County, Oklahoma.

Smittium tipulidarum MC Williams & Lichtwardt
[Kickxellomycotina: Harpellales]

9052 RW Lichtwardt (RMBL-14-10). *Elliptera astigmatica* [Diptera: Tipulidae]. Jul 1985. USA: Gunnison County, Colorado.

9053 RW Lichtwardt (RMBL-31-2). *Elliptera astigmatica* [Diptera: Tipulidae]. Jul 1985. USA: Gunnison County, Colorado.

9054 RW Lichtwardt (RMBL-31-4). *Elliptera astigmatica* [Diptera: Tipulidae]. Jul 1985. USA: Gunnison County, Colorado.

9122 RW Lichtwardt (RMBL-31-1). *Elliptera astigmatica* [Diptera: Tipulidae]. Jul 1985. USA: Gunnison County, Colorado.

Smittium tronadorium Lichtwardt, Ferrington & López Lastra
[Kickxellomycotina: Harpellales]

9030 RW Lichtwardt (ARG-24-20F). *Paraheptagyia* sp. [Diptera: Chironomidae]. Nov 1996. Argentina: Río Negro.

***Sorosporella* sp.**
[Sordariomycetes: Hypocreales]

377 JE Henry (118). *?Melanoplus* sp. [Orthoptera: Acrididae]. Rec'd Jul 1980. USA: Montana.

Sorosporella uvella (Krassilstschik) Giard
[Sordariomycetes: Hypocreales]

Sorosporella is the chlamydosporic state of fungi whose conidial states are classified as *Syngliocladium* species. Clumps of chlamydospores germinate and produce fasciculate synnemata bearing clusters of *Syngliocladium* phialides.

1123 PP Sikorowski ← J Kuhre. 4th instar larva, *Curculio caryae* [Coleoptera: Curculionidae] pecan tree. 14 Dec 1983. USA: West Helena, Arkansas.

1714 G Riba. Acc'd 6 Nov 1984. France.

1856 DG Boucias. *Scapteriscus vicinus* [Orthoptera: Gryllotalpidae]. 1984. USA: Gainesville, Florida.

Spicellum ovalispora Seifert & SA Rehner
[Sordariomycetes: Hypocreales]

Bionectriaceae. IMI 2223216 was originally received as Beauv. brongniartii; reidentified as new sp by K.Seifert and S. Rehner

7759 [IMI 223216] From oat. Rec'd 10 Jun 2005. United Kingdom.

Spizellomyces kniepii Gaertner ex DJS Barr
[Chytridiomycetes: Spizellomycetales]

Spizellomycetaceae

6263 MJ Powell. Rec'd 8 Sep 1999.

Sporodiniella umbellata Boedijn ex HC Evans & Samson
[Mucormycotina: Mucorales]

Mucoraceae

5222 [CBS 148.75; IMI 225999] ATCC (36482). [Homoptera: Jassidae] on cacao leaves. Acc'd 2 Aug 1996. Location not specified.

***Sporothrix* sp.**
[Sordariomycetes: Ophiostomatales]

Ophiostomataceae

1908 MC Rombach (5). *Nilaparvata lugens* [Homoptera: Delphacidae] on rice. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

6341 [CIAT 013] D Peck. Adult, 12 May 1999. Brazil: Lagiardo Farm, Botucatu, São Paulo.

7038 RG Hollingsworth (KNF2002-8). [Homoptera: Cicadellidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.

7042 RG Hollingsworth (KNF2002-13). [Homoptera: Delphacidae]. 26 Jan 2002. USA: Bird Park, Volcano, Hawaii.

10230 SR Sánchez Peña. Adult, *Diaphorina citri* [Homoptera: Psyllidae] on *Murraya paniculata* (L.) Jack, orange jessamine. 10 Nov 2009. Mexico: Gutiérrez Zamora, Veracruz.

Sporothrix ghanensis de Hoog & HC Evans
[Sordariomycetes: Ophiostomatales]

Ophiostomataceae

9500 [SRCAMB VL-2061] V Likhovidov. [Homoptera: Coccoidea]. 1998. Russian Federation: Sochi District, Krasnodarsky Krai. Field Collection Number F-883.

Sporothrix insectorum de Hoog & HC Evans
[Sordariomycetes: Ophiostomatales]

Ophiostomataceae

2909 CBS (770.73) ← HC Evans. *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana: Atewa Forest Reserve.

2918 CBS (756.73) ← HC Evans. *Paltothyreus tarsatus* [Hymenoptera: Formicidae]. 1973. Ghana: Atewa Forest Reserve. CULTURE EX TYPE.

6286 [RCEF 0264] [Lepidoptera]. Rec'd 24 Aug 1999. PR China: Qinghan.

7924 KT Hodge ← AE Hajek. Larva, [Lepidoptera]. Aug 2005. USA: Carlo Creek, near Denali National Park, Denali Borough, Alaska.

9501 [SRCAMB VL-2051] V Likhovidov. [Lepidoptera: Pyralidae]. 2004. Russian Federation: Novosibirsk Region. Field Collection Number F-880.

9502 [SRCAMB VL-2052] V Likhovidov. Adult, *Carabus* sp. [Coleoptera: Carabidae]. 1993. Russian Federation: Kunashir Island, Sakhalin Region. Field Collection Number F-890.

***Stachybotrys* sp.**
[Hyphomycetes]

2863 MG Feng (SA8801). *Sitobion avenae* [Homoptera: Aphididae] on spring wheat. 19 Jun 1988. USA: Wilder, Idaho.

Sterile mycelium

1353 S Balazy (1594). Rec'd 19 May 1984. Poland.

1435 MC Rombach (II.1). *Scotinophara coarctata* [Hemiptera: Pentatomidae]. 14 Apr 1984. Philippines: Maasin, Palawan.

2073 GC Carroll (CH-O-66/201). Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

3702 LA Lacey (060). Adult, [Homoptera: Cicadellidae]. 7 Apr 1992. India: Padappai.

3703 LA Lacey (008A). Adult, [Homoptera: Aphididae]. 7 Mar 1992. Pakistan: Lahore.

3705 LA Lacey (015A). Adult, [Homoptera: Aphididae]. 7 Mar 1992. Pakistan: Lahore.

3710 LA Lacey (037A) ← A Kisk. Adult, [Homoptera: Aleyrodidae]. 18 Dec 1991. Spain.

3711 LA Lacey (041A) or (041A). Adult, [Homoptera: Aleyrodidae]. 17 Mar 1991. Nepal: Katmandu.

3712 LA Lacey (019A). Adult, [Homoptera: Aphididae]. 7 Mar 1992. Pakistan: Lahore.

3725 P Narayanasamy (30). Rec'd 28 May 1992. Location not specified.

3735 P Timper (C11). *Aphelenchoides* sp. [Aphelenchida: Aphelenchoididae]. Apr 1992. USA: CU land, Rt. 366, Ithaca, New York.

3868 LA Lacey (92157). *Bemisia tabaci* [Homoptera: Aleyrodidae]. 11 Sep 1992. India: Podumbu.

4009 T Steenberg (135) ← A Kirkeby-Thomse. Pupa, [Coleoptera: Cerambycidae] on spruce. Sep 1988. Denmark: Grib Skov, Zealand.

4237 [DAT 211] AC Rath (F211) ← H Yip (HY150). Soil. 23 Aug 1988. Australia: Smithton, Tasmania.

4243 [DAT 26] AC Rath (F26). *Adoryphorus coulonii* [Coleoptera: Scarabaeidae]. 1986. Australia: Newtown, Tasmania.

4376 LA Lacey (94022). *Brevicoryne brassicae* [Homoptera: Aphididae]. 21 Jan 1994. Brazil: Londrina, Paraná.

4712 D Peck (11). Adult, female, *Prosapia plagiata* [Homoptera: Cercopidae] *Cynodon nlemfuensis*. 12 Aug 1994. Costa Rica: Dairy pasture at 1400M elevation, Monteverde, Puntarenas.

4750 [DAT 353] AC Rath (F353) ← H Yip (HY5). Soil. 23 Dec 1987. Australia: The Braes, Woodbury, Tasmania.

5819 BL Parker (AT 070). *Adelges tsugae* [Homoptera: Adelgidae]. 10 May 1997. USA: Guilford, Connecticut.

Stilbella buquetii (Montagne & Robin) Samson & HC Evans
[Sordariomycetes: Hypocreales]

2915 CBS (511.88). *Artipes* sp. [Coleoptera: Curculionidae]. 1988. USA: Florida.

2917 CBS (999.73). 1973. Location not specified.

Strongwellsea castrans Batko & Wiser
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Strains are provided as vegetative protoplasts in liquid tissue culture medium. No sustainable growth of walled hyphae, conidia, or resting spores has been produced by cultures.

3282 J Eilenberg (KVL 62). *Delia radicum* [Diptera: Anthomyiidae]. 8 Sep 1988. Denmark: Roskilde, Zealand.

3485 J Eilenberg (KVL 84). *Delia radicum* [Diptera: Anthomyiidae]. Aug 1991. Denmark: Slangerup, Frederiksberg.

Syncephalastrum racemosum Cohn ex Schröter
[Mucormycotina: Mucorales]
Syncephalastraceae

2315 JE Moxon (21). Diseased cocoa pods. Oct 1986. Papua New Guinea: Lowlands Agricultural Experiment Station, Keravat, East New Britain.

Synglíocladium sp.
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5217 KT Hodge (WOZ B) ← CA Wozniak. Larva, *Tetanops myopaeformis* [Diptera: Ulidiidae] Soil. Aug 1995. USA: Pembina Co., Buzz Baldwin Farm, St. Thomas, North Dakota.

5720 JM Sung (KEFC-1306). Rec'd 11 May 1998.

Synglíocladium tetanopsis KT Hodge, Humber & Wozniak
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

4972 KT Hodge ← CA Wozniak. *Tetanops myopaeformis* [Diptera: Ulidiidae]. 6 Jun 1995. USA: Red River

Valley, North Dakota. Specimen deposited in Cornell Plant Pathology Herbarium as CUP 64915.

5497 [NRRL 21854] CA Wozniak (FSt1A8-2294). 3rd instar larva, *Tetanops myopaeformis* [Diptera: Ulididae]. Summer 1994. USA: Pembina County, St. Thomas, North Dakota. Culture ex type; the holotype is a dried specimen of ARSEF 5497 in Cornell Plant Pathology Herbarium as CUP 64913.

5577 [NRRL 21853] CA Wozniak (FHi1A11-295). 3rd instar larva, *Tetanops myopaeformis* [Diptera: Ulididae]. Rec'd 17 Dec 1997. USA: Traill County, Hillsboro, North Dakota.

Synnematium jonesii Speare
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5664 [ATCC 44767; IMI 205309] *Promecotheca papuana* [Coleoptera: Hispinae]. Rec'd 10 Feb 1998. Papua New Guinea.

Syspastospora parasitica (Tulasne) Cannon & Hawksworth
[Sordariomycetes: Sordariales]
Ceratostomataceae. Synonym: *Melanospora parasitica* (Tulasne) Tulasne & C Tulasne

5375 KT Hodge. Mycoparasite of *Paecilomyces farinosus* on unknown insect. Rec'd 25 Nov 1996. USA: Ringwood-Lloyd Preserve, Cornell University Plantations, Dryden, New York. Specimen accessioned in the Cornell Plant Pathology Herbarium as CUP 63891.

7285 FE Vega. Mycoparasite of *Beauveria bassiana* on *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 25 Jul 2003. USA: Sleepy Hollow, Beltsville Agricultural Research Center, Beltsville, Maryland.

***Tilachlidium* sp.**
[Hyphomycetes]

2415 M Shimazu (F-545). [Coleoptera: Elateridae]. 14 Jul 1986. Japan: Hachioji, Tokyo Prefecture.

7072 KT Hodge (PR9). On fern fronds5 Jul 2002. USA: El Yunque, Caribbean National Forest, Anhalito Trail, tabonuco forest, Río Grande Municipio, Puerto Rico.

10132 [ERL 1790] S Gouli and W Reid (BS-2010-1). [Coleoptera: Chrysomelidae]. 2010. USA: Florida.

***Tilletiopsis* sp.**
[Exobasidiomycetes]
These strains were probably accidental contaminants of brown planthoppers. This genus is usually found only among phylloplane fungi and is not otherwise known to be entomopathogenic.

527 DW Roberts (82880-2). *Nilaparvata lugens* [Homoptera: Delphacidae]. 28 Aug 1980. Thailand: Chainat Rice Exp. Sta., N of Bangkok, Khlong Luang.

572 DW Roberts (82880-2). *Nilaparvata lugens* [Homoptera: Delphacidae]. 28 Aug 1980. Thailand: Khlong Luang.

573 DW Roberts (82880-1). *Nilaparvata lugens* [Homoptera: Delphacidae]. 28 Aug 1980. Thailand: Khlong Luang.

***Tolypocladium* sp.**
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

6634 SB Alves (ESALQ 1224). *Leptopharsa heveae* [Hemiptera: Tingidae]. 31 Aug 1998. Brazil: São José do Rio Claro, Mato Grosso.

Tolypocladium cylindrosporum W Gams
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

705 GG Soares. *Aedes sierrensis* [Diptera: Culicidae]. Acc'd 17 Nov 1982. USA: California.

841 JS Pillai. *Aedes australis* [Diptera: Culicidae]. Acc'd 7 Jun 1983. New Zealand: Quoin Pt., Otago Peninsula, nr. Dunedin, South Island.

961 [CBS ?719.70; CCFC DAOM 183952] UAMH (4563) or (?4995) ← J Weiser ← JS Pillai. [Diptera: Culicidae]. Rec'd 9 Sep 1983. Czech Republic.

962 [ATCC 42438; CCFC DAOM 167325] UAMH (4592) ← J Bissett (737). Soil sample SV113. 2 Jun 1971. Canada: Bromus site, alpine eutric brunisol, grass slope, elev. 1900 m, Mt. Allen, Kananaskis Valley, Alberta.

963 [CCFC DAOM 167176] UAMH (4593) ← S Visser. Soil. Aug 1976. Canada: spruce-fir forest, elev. 5500-6000 ft, nr. Luscar, Alberta.

976 [GCRI 131-82] RA Hall ← JS Pillai. [Diptera: Culicidae]. Acc'd 17 Oct 1983. New Zealand: Quoin Pt., Otago Peninsula, nr. Dunedin, South Island.

1027 [GCRI 130-82] RA Hall ← JS Pillai. [Diptera: Culicidae]. 1982. New Zealand: Quoin Pt., Otago Peninsula, nr. Dunedin, South Island.

1028 [GCRI 132-82] RA Hall ← JS Pillai. [Diptera: Culicidae]. 1982. New Zealand: Quoin Pt., Otago Peninsula, nr. Dunedin, South Island.

1580 GG Soares (Tc4c). *Aedes sierrensis* [Diptera: Culicidae]. Acc'd 17 Sep 1984. USA: Novato, California.

2777 T Steenberg (186). [Lepidoptera: Noctuidae]. 6 Jun 1989. Denmark.

2778 T Steenberg (187). [Lepidoptera: Noctuidae]. 19 Jun 1989. Denmark.

2911 CBS (276.82) ← GG Soares. [Diptera: Culicidae]. 1982. New Zealand.

2912 CBS (989.73) ← LP Kish. *Plecia nearctica* [Diptera: Bibionidae]. 1973. USA: Florida.

2920 CBS (718.70). Peat soil. 1970. United Kingdom: northern Pennines (Moorhouse), England. CULTURE EX TYPE.

3392 CCFC (DAOM 180479) ← G Dutzler (21). Soil. Rec'd 1 Oct 1991. Nepal.

3393 Soil. Rec'd 1 Oct 1991. Nepal.

5525 I Klingen (BAL 3). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 18 Sep 1996. Norway: Balsfjord, Troms. **RESTRICTED ACCESS:** *contact Curator*.

5526 I Klingen (TØF 22.2). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Steinkjer, Nord Trøndelag. **RESTRICTED ACCESS:** *contact Curator*.

5527 I Klingen (VFB 10.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 4 Sep 1996. Norway: Grane, Nordland. **RESTRICTED ACCESS:** *contact Curator*.

5528 I Klingen (ØNN 2.2). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** *contact Curator*.

5529 I Klingen (ØNN 2.3). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** *contact Curator*.

5530 I Klingen (ØNN 3.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** *contact Curator*.

5531 I Klingen (ØNN 4.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** *contact Curator*.

5532 I Klingen (ØNN 4.2). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Vestvågøy, Nordland. **RESTRICTED ACCESS:** *contact Curator*.

5538 I Rong (PPRI 6396). Larva, *Sirex noctilo* [Hymenoptera: Siridae] inside *Pinus radiata*. 26 Jun 1997. South Africa: Tokai Forest, Western Cape Province.

5558 I Klingen (ØNN 2.1). Larva, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Valberg, Nordland. **RESTRICTED ACCESS:** *contact Curator*.

5559 I Klingen (ØNN 3.2). Pupa, *Delia floralis* [Diptera: Anthomyiidae] as bait from soil. 26 Sep 1996. Norway: Valberg, Nordland. **RESTRICTED ACCESS:** *contact Curator*.

7129 LA Castrillo. Isolated from soil sample. Summer 2002. USA: Aroostook Farm, Presque Isle, Maine. Single spore isolate established from a CFU.

7456 GM Duke and MS Goettel (LRC 172). [Coleoptera: Elateridae]. 12 May 2003. Canada: Agassiz, British Columbia.

7539 E Groden (Plate #7). *Myrmica rubra* [Hymenoptera: Formicidae]. 26 Aug 2003. United Kingdom: Rescombe, Dorset, England. 50.35.54 N, 02.03.05 W, 110 m elevation.

7812 [SRCAMB VL-389] V Likhovidov. Larva, [Coleoptera: Elateridae] Isolated from stroma. 8 Aug 2001. Russian Federation: Lazovsky Nature Reserve, Primorsky Krai. Field Collection Number F-268.

9503 [SRCAMB VL-272] V Likhovidov. [Araneida]. Sep 2001. Russian Federation: Caucasus region, Karachayevo-Cherkessiya Republ. Field Collection Number F-751.

10146 [ERL 1806] S Gouli (Thr.-10-9) and V Gouli. *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2010. USA: Underhill, Vermont.

Tolypocladium extinguens Samson & Soares
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

2921 CBS (345.77) ← GJ Samuels. *Arachnocampa luminosa* [Diptera: Mycetophilidae]. 1977. New Zealand. CULTURE EX TYPE.

Tolypocladium geodes W Gams
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

2684 J Weiser (R5) ← J Bissett. Acc'd 14 Feb 1989. Location not specified.

3271 CCFC (DAOM 167321) ← J Bissett (384). Soil. Rec'd Apr 1991. Canada: dry sedge meadow, elev. 2100 m, Mt. Allen, Kananaskis Valley, Alberta.

3272 CCFC (DAOM 167323) ← J Bissett (570). Soil. Rec'd Apr 1991. Canada: bromus site, grass slope, elev. 1900 m, Mt. Allen, Kananaskis Valley, Alberta.

3273 CCFC (DAOM 167326) ← J Bissett (938). Soil sample SX133. Rec'd Apr 1991. Canada: Bromus site, alpine eutric brunisol, grass slope, Mt. Allen, Kananaskis Valley, Alberta.

3274 [ATCC 56502] CCFC (DAOM 176470) ← A Carter. Soil. 19 Nov 1976. Canada: predominantly white spruce woods, 29.7 km SSE of Sudbury, Ontario.

3275 CCFC (DAOM 191333) ← P Widden. Soil Moorland soil, A1 horizon. Rec'd Apr 1991. United Kingdom: Gisburn Forest, England.

3276 CCFC (DAOM 191336) ← P Widden. Festuca grasslands, moorland soil. Rec'd Apr 1991. United Kingdom: elev. 1850 ft, Pennines (Moorhouse), England.

9504 [SRCAMB VL-2159] V Likhovidov. Isolated from soil sample. 2006. Russian Federation: Tver Region. Field Collection Number F-143.

9505 [SRCAMB AS-635] V Likhovidov. Isolated from soil sample. Aug 2004. Russian Federation: Moscow Region. Field Collection Number F-1013.

Tolypocladium inflatum W Gams
[Sordariomycetes: Hypocreales]

Ophiocordycipitaceae. Major synonym: *Tolypocladium niveum* (Rostrup) Bissett. Teleomorph: *Elaphocordyceps subsessilis* (Petch) GH Sung, JM Sung, Hywel-Jones & Spatafora

616 [CCFC 962] ATCC (18981) ← O Fassatiova. Rec'd 27 May 1981. Czech Republic.

3277 CCFC (DAOM 64352) ← W Gams. Humus (alpine soil). Rec'd Apr 1991. Austria: Obergurgl-Ötztal, Tirol.

3278 CCFC (DAOM 160594) ← V Behan. *Mycobates* sp. [Acari: Oribatidae]. Rec'd Apr 1991. Canada: Frobisher Bay, Baffin Island, Northwest Territories.

3279 CCFC (DAOM 167175) ← S Visser. Humified organic material. Rec'd Apr 1991. Canada: undisturbed spruce-fir forest, nr. Luscar, Alberta.

3280 CCFC (DAOM 167322) ← J Bissett (530). Soil sample A382. Rec'd Apr 1991. Canada: Dryas site, Warcup soil plate, alpine meadow, elev. 2530 m, Mt. Allen, Kananaskis Valley, Alberta.

3281 CCFC (DAOM 198395) ← DD Strongman. Pupa, [Diptera: Tachinidae]. Rec'd Apr 1991. Canada: Acadia Forest Exp. Station, Fredericton, New Brunswick.

3320 CCFC (DAOM 63905) ← D Brewer. Slime from pulp & paper mill. Rec'd 30 Apr 1991. Canada: Corner Brook, Newfoundland.

3321 [ARSEF 3397 (deaccessioned); J Bissett 88M-143] CCFC (DAOM 199924) ← D Perry (1602). *Choristoneura fumiferana* [Lepidoptera: Tortricidae] on spruce. Rec'd 30 Apr 1991. Canada: Acadia Forest Exp. Station, Fredericton, New Brunswick.

3394 CCFC (DAOM 183955) ← L Ippolito (38-BI). Root of black spruce, clay soil. Rec'd 1 Oct 1991. Canada: SW Burt Lake, Burt Twp., Timiskaming District, Ontario.

3395 [J Bissett 83M-38] CCFC (DAOM 185687) ← D Lahaie. Sediment 21m below surface of acidic lake. Rec'd 1 Oct 1991. Canada: White Pine Lake, NW of Sudbury, Ontario.

3396 CCFC (DAOM 191338) ← P Widden (LP-177). Festuca grasslands, moorland soil, A1 horizon. Rec'd 1 Oct 1991. United Kingdom: elev. 2750 ft, Pennines (Moorhouse), England.

3398 CCFC (DAOM 210147) ← DS Abrahamson (5). Maple/beech/birch forest floor. Rec'd 1 Oct 1991. USA: Mt. Clinton Rd., White Mountain National Forest, New Hampshire.

3432 CCFC (DAOM 167132) ← P Widden (M-105). Soil in *Pinus contorta* stand. Rec'd 29 Oct 1991. Canada: Kananaskis Valley, Alberta.

3433 [ATCC 36654] CCFC (DAOM 180481) ← G Dutzler (94). Soil. Rec'd 29 Oct 1991. Nepal.

3790 KT Hodge (kth11). 23 Sep 1992. USA: foam below Ithaca Falls, Ithaca, New York.

4575 [DAT 472; IMI IMI358246] AC Rath (F472). 40-60 days, *Salmo salar*. Rec'd 1 Sep 1994. Australia: Tasmania.

4772 [DAT 471] AC Rath (F471). 40-60 grams, *Salmo salar*. Rec'd 23 Sep 1994. Australia: Tasmania.

4877 KT Hodge (kth30A). [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4878 KT Hodge (kth30B). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485. .

4879 KT Hodge (kth30C). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4880 KT Hodge (kth30D). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4881 KT Hodge (kth30E). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485. .

4882 KT Hodge (kth30F). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4883 KT Hodge (kth30G). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485. .

4884 [ATCC 200994; CBS 305.95; CCFC 006988; UAMH 8723] KT Hodge (kth30H). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis*. Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485 .

4885 KT Hodge (kth30I). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan

Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4886 KT Hodge (kth30J). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4887 KT Hodge (kth30K). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4888 KT Hodge (kth30L). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4889 KT Hodge (kth30M). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4890 KT Hodge (kth30N). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4891 KT Hodge (kth30O). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4892 KT Hodge (kth30P). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4893 KT Hodge (kth30Q). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4894 KT Hodge (kth30R). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4895 KT Hodge (kth30S). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4896 KT Hodge (kth30T). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4897 KT Hodge (kth30U). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

4898 KT Hodge (kth30V). Larva, [Coleoptera: Scarabaeidae: Aphodiinae]. 28 Sep 1994. USA: Michigan Hollow State Forest, Danby, New York. Single ascospore isolate from *Cordyceps subsessilis.* Specimen deposited at Cornell Plant Pathology Herbarium as CUP 63485.

9506 [SRCAMB B-225] V Likhovidov ← BA Borisov. Isolated from soil sample. 2000. Russian Federation: Caucasus region, Teberdinsk State Nature Reserve, Karachayevo-Cherkessiya Republ. Field Collection Number F-258.

9507 [SRCAMB AS-587] V Likhovidov. Isolated from soil sample. 2004. Russian Federation: Yamalo-Nenetskiy Autonomous District, Tyumen Oblast. Field Collection Number F-993.

Tolypocladium lignicola GL Barron
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

5218 KT Hodge (U0268t). Soil. Aug 1996. Uganda: Ngogo Forest Camp, Kibale National Park.

5615 SL Glockling (K5a). Phylum Nemata from rabbit dung. 9 Jul 1996. Japan: Amami Islands.

Tolypocladium microsporum (Jaap) Bissett
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

3431 CCFC (DAOM 191103) ← R Summerbell. Roots of *Cornus canadensis*. 6 Jun 1982. Canada: Kirkland Lake, Ontario.

Tolypocladium nubicola Bissett
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

3434 CCFC (DAOM 167320) ← J Bissett (164). Soil sample A322. Rec'd 29 Oct 1991. Canada: Dryas

site, Warcup soil plate, alpine meadow, Mt. Allen, Kananaskis Valley, Alberta.

3435 CCFC (DAOM 167324) ← J Bissett (633). Soil sample V222. Rec'd 29 Oct 1991. Canada: Dryas site, Warcup soil plate, alpine meadow, Mt. Allen, Kananaskis Valley, Alberta.

Tolypocladium parasiticum GL Barron
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

3436 CCFC (DAOM 184880) ← GL Barron. Bdelloid rotifers in farm soil. Rec'd 29 Oct 1991. Canada: Guelph, Ontario.

Tolypocladium tundrense Bissett
[Sordariomycetes: Hypocreales]
Ophiocordycipitaceae

3399 CCFC (DAOM 167133) ← P Widden (M-106). Raised beech soil. Rec'd 1 Oct 1991. Canada: Devon Island, Northwest Territories.

3400 CCFC (DAOM 167134) ← P Widden (M-107). Soil. Rec'd 1 Oct 1991. Canada: sedge meadow, Devon Island, Northwest Territories.

3401 CCFC (DAOM 191334) ← P Widden (LP-235). Festuca grasslands, moorland soil, A1 horizon. Rec'd 1 Oct 1991. United Kingdom: elev. 2450 ft, Pennines (Moorhouse), England.

***Torrubiella* sp.**
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7088 KT Hodge (PR72). 9 Jul 2002. USA: Bosque del Pueblo, Adjuntas, Puerto Rico.

7223 [SRCAMB B-39] V Likhovidov ← BA Borisov. Adult, [Araneida]. Sep 2001. Russian Federation: Caucasus region, Mostovsky District, Krasnodarsky Krai. Field Collection Number F-309.

7673 [IMI 331565] P Chaverri ← HC Evans (I86-174). 1986. Kenya.

7701 P Chaverri (PC 385). 30 Nov 2003. Costa Rica: Rincon de la Vieja National Park, Las Pailas, trail to the waterfalls, Guanacaste Conservation Area, Guanacaste.

7708 P Chaverri (PC 468). 5 Jan 2004.

Torrubiella homopterorum Humber & Rombach (sp. nov.,unpubl.)
[Sordariomycetes: Hypocreales]
Cordycipitaceae

2045 MC Rombach (161085-11) ← SB Ahn (E1-22). *Nilaparvata lugens* [Homoptera: Delphacidae]. 16 Oct 1985. Republic of Korea: Gun-Wandi.

Torrubiella piperis Bischoff & White
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7232 [CBS 116719] JF Bischoff. [Homoptera: Coccoidea] on *Piper carrilloanum* C. DC. Aug 2003. Panama: Lutz Creek, Barro Colorado Island. CULTURE EX TYPE; teleomorph of *Lecanicillium muscarium* (Petch) Zare & W. Gams.

Torrubiella ratticaudata Rombach & Humber
[Sordariomycetes: Hypocreales]
Cordycipitaceae

1915 MC Rombach (11(ascosp.)). *Euophrys ?trivittata* [Araneida: Salticidae] on cacao. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

1916 MC Rombach (9(ext.myc.)). *Euophrys ?trivittata* [Araneida: Salticidae] on cacao. Apr 1985. Solomon Islands: nr. Metapona, Guadalcanal.

***Torrubiella(?)* sp.**
[Sordariomycetes: Hypocreales]
Cordycipitaceae

7658 [IMI 362298] P Chaverri ← HC Evans (I92-788). 1992. Madagascar.

Triacutus subcuticularis G.L. Barron & Tzean

10260 CG Wilson (Lh8). *Adineta* sp. [Bdelloida: Adinetidae] occurring naturally on an elevated sprinkle plate. 22 Oct 2009. USA: Neimi Road, Cornell Research Ponds facility, Dryden, New York. Plate exposed to wind-deposited debris between 17 September 2009 and 22 October 2009.

***Trichoderma* sp.**
[Sordariomycetes: Hypocreales]
Hypocreaceae

807 RA Daoust (Ek8-4). *Empoasca kraemeri* [Homoptera: Cicadellidae]. Acc'd 9 Oct 1986. Brazil.

1361 S Balazy (1599a). Rec'd 19 May 1984. Poland.

2160 BN Muthappa (PNG 12720). *Anoplolepsis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.

2161 BN Muthappa (PNG 12717). *Anoplolepsis longipes* [Hymenoptera: Formicidae]. Rec'd 12 May 1986. Papua New Guinea.

3084 J Peña ← H Glenn. *Unaspis citri* [Homoptera: Diaspididae] on *Citrus aurantifolia*. May 1990. USA: Homestead, Florida.

5730 TJ Poprawski. *Elasmopalpus lignosellus* [Lepidoptera: Pyralidae] in *Saccharum officinarum* . Apr 1998. USA: Weslaco, Texas.

8470 WC Luz (eco 40). Isolated from soil sample. Rec'd 7 Jun 2007. **RESTRICTED ACCESS:** *consult Curator*.

8634 CA Fuller. [Isoptera: Termitidae]. Acc'd 29 Oct 2007.

9938 [ERL 1785] S Gouli and V Gouli (Thr.-09-17). [Thysanoptera: Thripidae]. 2010. USA: Vermont.

Trichoderma lignorum (Tode) Harz
[Sordariomycetes: Hypocreales]
Hypocreaceae

5176 S Gouli (GP-14). *Adelges tsugae* [Homoptera: Adelgidae] on *Tsuga canadensis*. 14 Feb 1996. USA: Mt. Tom, Holyoke, Massachusetts.

Trichoderma viride(?) Persoon
[Sordariomycetes: Hypocreales]
Hypocreaceae

6344 [CIAT 016] Adult, *Aeneolamia varia* [Homoptera: Cercopidae]. 4 May 1999. Colombia: CIAT Farm, Palmira, Valle.

***Trichothecium* sp.**
[Sordariomycetes: Hypocreales]
Hypocreaceae

653 DW Roberts (100881-2). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae]. 8 Oct 1981. PR China: Chansha, Hunan.

1217 TJ Poprawski (050A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.

1223 TJ Poprawski (060A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.

Trichothecium roseum Link:Fries
[Sordariomycetes: Hypocreales]
Hypocreaceae

1212 TJ Poprawski (042). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.

1226 TJ Poprawski (001A). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 18 May 1983. Italy: Vetralla, Lazio.

1308 TJ Poprawski (044). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Acquapendente, Lazio.

1639 TJ Poprawski (0136). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.

1642 TJ Poprawski (0139). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 13 Jul 1984. Austria: Burgenland.

2055 GC Carroll. Egg mass, *Lymantria dispar* [Lepidoptera: Lymantriidae]. Rec'd Dec 1985. USA: Dexter, Oregon.

3708 LA Lacey (035A) ← A Kirk. Adult, [Homoptera: Aleyrodidae]. 11 Dec 1991. Spain.

***Tripospermum* sp.**
[Dothideomycetes: Capnodiales]
Capnodiaceae

9363 [ERL 1655] S Gouli and V Gouli (HWA-G-5). *Adelges tsugae* [Homoptera: Adelgidae]. 2009. USA: New Hampshire.

Tritirachium isariae (Petch) de Hoog
[Hyphomycetes]

1425 S Balazy (1585a). Rec'd 19 May 1984. Location not specified.

***Verticillium* sp.**
[Sordariomycetes: Hypocreales]
These species are being reclassified to the appropriate genus and species as they are being re-examined after the phylogenetically based reclassification of *Verticillium* Section *Prostrata*.

3547 M Brownbridge (R-6). Larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 20 Nov 1991. USA: Laggis' sugar maple stand, Caledonia County, Vermont.

3550 M Brownbridge (R-12). White mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Goodhouse's sugar maple stand, Windsor County, Vermont.

3551 M Brownbridge (R-13). Pink mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Rowe's sugar maple stand, Caledonia County, Vermont.

3552 M Brownbridge (R-14). Yellow mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 26 Nov 1991. USA: Preseau's sugar maple stand, Addison County, Vermont.

3556 M Brownbridge (R-22). Pink mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Ralph's sugar maple stand, Washington County, Vermont.

3561 M Brownbridge (R-29). Mummified larva, *Taeniothrips inconsequens* [Thysanoptera: Thripidae]. 2 Dec 1991. USA: Motyka's sugar maple stand, Orange County, Vermont.

4074 C Rosenthal (MP1). *Myzus persicae* [Homoptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.

4194 LA Lacey (94030). [Homoptera: Aphididae] Tamarillo Tree. 25 Mar 1994. Malaysia: Cameron Highlands.

4195 LA Lacey (94031). [Homoptera: Aphididae] Tamarillos Tree. 25 Mar 1994. Malaysia: Caurcuan Highlands, Cameron Highlands.

4203 LA Lacey (94032). [Homoptera: Aphididae] on orchid. 25 Mar 1994. Malaysia: Brichang.

4398 LA Lacey (94095). [Homoptera: Aphididae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla.

4399 LA Lacey (94096). [Homoptera: Aphididae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla.

4402 LA Lacey (94062). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae] eggplant. 24 Mar 1994. Malaysia: Kuala Terla.

5713 E Zhioua (1S DCE). Acc'd 4 Jul 1998.

6250 [RCEF 0221] Phylum Arthropoda, Class Arachnida. 8 Aug 1996. PR China: Guizhou Province.

6480 BL Parker (SPT-KR-389/1). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 12 Feb 2000. Kyrgyz Republic: GPS Coordinates N 43°39.257' E 073°54.353'. **RESTRICTED ACCESS:.**

contact Curator

6484 BL Parker (SPT-KZ-412). Adult, [Coleoptera: Dermestidae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'. **RESTRICTED ACCESS:.**

contact Curator

6485 BL Parker (SPT-KZ-413). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'. **RESTRICTED ACCESS:.**

contact Curator

6486 BL Parker (SPT-KR-415/2). Adult, [Coleoptera: Scarabaeidae] overwintering in soil. 11 Feb 2000. Kyrgyz Republic: GPS Coordinates N 43°40.597' E 075°02.855'. **RESTRICTED ACCESS:.**

contact Curator

6498 BL Parker (SPT-KZ-445). Adult, [Hemiptera: Rhopalidae] overwintering in soil. 5 Feb 2000. Kazakhstan: GPS Coordinates N 44°14.205' E 077°42.544'. **RESTRICTED ACCESS:.**

contact Curator

6500 BL Parker (SPT-KZ-457). Adult, *Aelia* sp. [Hemiptera: Pentatomidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°09.121' E 076°35.771'. **RESTRICTED ACCESS:.**

contact Curator

6501 BL Parker (SPT-KZ-458). Adult, [Coleoptera: Carabidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:.**

contact Curator

6580 G Sewify (2). *Icerya purchasi* [Homoptera: Margarodidae]. May 2000. Egypt.

Verticillium cinnamomeum Petch
[Sordariomycetes: Hypocreales]

2399 MC Rombach (131286-1). 13 Dec 1986. Indonesia.

Verticillium epiphytum Hansford
[Sordariomycetes: Hypocreales]

5250 [ATCC 22593; CBS 384.81; IMI 071 315] *Hemileia vastatrix* [Uredinales]. Acc'd 19 Aug 1996. Thailand.

Verticillium insectorum (Petch) W Gams
[Sordariomycetes: Hypocreales]

3715 RA LeBrun ← J Hanula (C-1). Adult, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Summer 1991. Location not specified.

Verticillium lecanii (Zimmerman) Viégas
[Sordariomycetes: Hypocreales]

Cordycipitaceae. A species complex now reclassified in *Lecanicillium* and distributed among three species. Isolates remaining here are being transferred to the appropriate species as they are re-examined.

991 J Aoki (Har. 2) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Suginami, Tokyo Prefecture.

1333 S Balazy (1453c). Rec'd 19 May 1984. Poland.

1357 S Balazy (1595d). Rec'd 19 May 1984. Poland.

2859 MG Feng (SA8701). *Sitobion avenae* [Homoptera: Aphididae] on winter wheat. 12 Jun 1987. USA: Hwy 95 & Klahr Rd., Canyon County, Idaho.

2916 CBS (537.81) ← HC Evans. [Homoptera: Coccidae]. 1981. Ecuador: Galapagos Islands.

3741 D Lonsdale (AH2). *Cryptococcus fagisuga* [Homoptera: Eriococcidae] beech tree (Fagus sylvatica). Rec'd 6 Jul 1992. United Kingdom: England.

3742 D Lonsdale (AH3). *Cryptococcus fagisuga* [Homoptera: Eriococcidae] beech tree (Fagus sylvatica). Rec'd 6 Jul 1992. United Kingdom: England.

3743 D Lonsdale (AH4). *Cryptococcus fagisuga* [Homoptera: Eriococcidae] beech tree (Fagus sylvatica). Rec'd 6 Jul 1992. United Kingdom: England.

3770 DW Roberts ← Wang Li Ying. Rec'd 25 Aug 1992. Location not specified.

3840 S Meyer ← ATCC (58909). 30 Dec 1992. Laboratory manipulation.

3862 [ARSEF 2859] N Underwood (ARSEF2859). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 28 Jan 1993. Laboratory manipulation.

3881 [ARSEF 3836] N Underwood (U3836). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 16 Feb 1993. Laboratory manipulation: Reisolated from bioassay.

3902 [ARSEF 3838] N Underwood (U3838). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

3903 [ARSEF 3000] N Underwood (U3000). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

3904 [ARSEF 3840] N Underwood (U3840). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.

3909 [ARSEF 2858] N Underwood (U2858). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 2 Apr 1993. Laboratory manipulation: Reisolated from bioassay.

4022 T Steenberg (216) ← A Kirkeby-Thomse. *Agelastica alni* [Coleoptera: Chrysomelidae] on Alnus spp. Aug 1990. Denmark.

4025 T Steenberg (227) ← A Kirkeby-Thomse. *Phytokermes hemichryphus* [Homoptera: Coccidae] Red spruce. Nov 1990. Denmark: Grib Skov, Zealand.

4047 T Steenberg (295). *Aphodius fimetarius* [Coleoptera: Scarabaeidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.

4048 T Steenberg (297). Larva, [Coleoptera: Cantharidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.

4061 T Steenberg (VT3). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae]. Jul 1989. Denmark: Lyngby, Zealand.

4064 T Steenberg (BT3). *Bemisia tabaci* [Homoptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

4065 T Steenberg (BT4). *Bemisia tabaci* [Homoptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

4067 T Steenberg (BT6). *Bemisia tabaci* [Homoptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

4069 T Steenberg (BT11). *Bemisia tabaci* [Homoptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

4070 T Steenberg (BT12). *Bemisia tabaci* [Homoptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

4071 T Steenberg (BT13). *Bemisia tabaci* [Homoptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

4072 T Steenberg (BT14). *Bemisia tabaci* [Homoptera: Aleyrodidae] on tobacco. Jul 1989. Denmark: Greenhouse, Lyngby, Zealand.

4073 T Steenberg (VL9) ← C Rosenthal. [Homoptera: Aphididae]. 1989. Denmark.

4075 T Steenberg (MP2). *Myzus persicae* [Homoptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.

4076 T Steenberg (MP3). *Myzus persicae* [Homoptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.

4077 T Steenberg (MP5). *Myzus persicae* [Homoptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.

4079 T Steenberg (MP11). *Myzus persicae* [Homoptera: Aphididae]. Jul 1989. Denmark: Lyngby, Zealand.

4416 LA Lacey (94058). [Homoptera: Aphididae] Orchid. 25 Mar 1994. Malaysia: Brichaug.

4417 LA Lacey (94059). [Homoptera: Aphididae] Orchid. 25 Mar 1994. Malaysia: Brichaug.

4418 LA Lacey (94060). [Homoptera: Aphididae] Orchid. 25 Mar 1994. Malaysia: Brichaug.

4419 LA Lacey (94028). [Homoptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.

4420 LA Lacey (94047). [Homoptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.

4421 LA Lacey (94048). [Homoptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.

4422 LA Lacey (94049). [Homoptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.

4423 LA Lacey (94050). [Homoptera: Aphididae] Tamarillos. 25 Mar 1994. Malaysia: Cameron Highlands.

4453 LA Lacey (94151). [Homoptera: Aphididae]. 25 Mar 1994. Malaysia.

4454 LA Lacey (94052). [Homoptera: Aphididae]. 25 Mar 1994. Malaysia: Cameron Highlands.

4455 LA Lacey (94054). [Homoptera: Aphididae]. 25 Mar 1994. Malaysia: Cameron Highlands.

4456 LA Lacey (94055). [Homoptera: Aphididae]. 25 Mar 1994. Malaysia: Cameron Highlands.

4457 LA Lacey (94094). [Homoptera: Aphididae]. 25 Mar 1994. Malaysia: Cameron Highlands.

5127 [Horticulture Research International 16.75] D Chandler (HRI 16.75). barley mildew. 1975. Location not specified.

5129 [Horticulture Research International 26.79] D Chandler (HRI 26.79). Host not specified wheat. 1979. Location not specified. Suspected mycoparasite.

5130 [Horticulture Research International 336.92] D Chandler (HRI 336.92). *Myzus persicae* [Homoptera: Aphididae]. 1992. United Kingdom: insect rearing unit, Wellesbourne, England.

5131 [Horticulture Research International 339.92] D Chandler (HRI 339.92). Cauliflower, *Brevicoryne brassicae* [Homoptera: Aphididae]. 1992. United Kingdom: greenhouse, Wellesbourne, England.

5132 [Horticulture Research International 343.92] D Chandler (HRI 343.92). Pupa, *Delia radicum* [Diptera: Anthomyiidae] soil. 1992. United Kingdom: Wellesbourne, England.

5133 [Horticulture Research International 382.93] D Chandler (HRI 382.93). *Aleyrodes proletella* brassicas, field grown. 1993. United Kingdom: Wellesbourne, England.

5153 A Braun (Bogor). *Coccus viridis* [Homoptera: Coccidae] Coffee. 1996. Indonesia: Kebun Raya Bogor (Bogor Botanical Garden), Bogor, Jawa Barat, Java.

5165 S Gouli (GP-53). *Adelges tsugae* [Homoptera: Adelgidae] on *Tsuga canadensis*. 14 Feb 1996. USA: Mt. Tom, Holyoke, Massachusetts.

5166 S Gouli (GP-49). [Homoptera: Aphididae]. 31 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.

5167 S Gouli (GA-80). [Araneida: Araneae]. 21 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.

5168 S Gouli (GA-104). *Formica sp.* [Hymenoptera: Formicidae]. 1 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.

5221 [ATCC 58712] *Puccinia striiformis* [Uredinales: Pucciniaceae]. Germany.

5491 M Brownbridge (FR20). Rec'd 16 May 1997. France: Bellegarde, Gard.

5709 T Steenberg (TT4). *Thrips tabaci* [Thysanoptera: Thripidae]. Rec'd 22 Apr 1998. Denmark.

5710 E Zhioua (1S PCW). Acc'd 20 May 1998.

5759 BL Parker (AT 128). *Adelges tsugae* [Homoptera: Adelgidae]. 16 Oct 1997. USA: Gillette Castle State Park, Connecticut.

5771 BL Parker (AT 135). *Adelges tsugae* [Homoptera: Adelgidae]. 19 Oct 1997. USA: Lovingston, Virginia.

5772 BL Parker (AT 136). *Adelges tsugae* [Homoptera: Adelgidae]. 19 Oct 1997. USA: Lovingston, Virginia.

5777 BL Parker (HWA 4). *Adelges tsugae* [Homoptera: Adelgidae]. Oct 1997. USA: Russell, Massachusetts.

5778 BL Parker (HWA 8-1). *Adelges tsugae* [Homoptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5779 BL Parker (HWA 8-2). *Adelges tsugae* [Homoptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5780 BL Parker (HWA 9). *Adelges tsugae* [Homoptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5781 BL Parker (HWA 24). *Adelges tsugae* [Homoptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5782 BL Parker (HWA 61/2). *Adelges tsugae* [Homoptera: Adelgidae]. 9 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5783 BL Parker (HWA 111/6). *Adelges tsugae* [Homoptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5785 BL Parker (HWA 115/1). *Adelges tsugae* [Homoptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5786 [ERL 324] S Gouli (HWA-115/2) and V Gouli. *Adelges tsugae* [Homoptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5787 BL Parker (HWA 129). *Adelges tsugae* [Homoptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5789 BL Parker (HWA 143/1). *Adelges tsugae* [Homoptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5791 BL Parker (HWA 159). *Adelges tsugae* [Homoptera: Adelgidae]. 10 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5793 BL Parker (HWA 236). *Adelges tsugae* [Homoptera: Adelgidae]. 10 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5794 BL Parker (HWA 242/1). *Adelges tsugae* [Homoptera: Adelgidae]. 7 Mar 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5795 BL Parker (HWA 280). *Adelges tsugae* [Homoptera: Adelgidae]. 16 May 1997. USA: Princeton, New Jersey.

5798 BL Parker (HWA 304). *Adelges tsugae* [Homoptera: Adelgidae]. Oct 1997. USA: Russell, Massachusetts.

5809 B Broadbent (BB002). [Homoptera: Aphididae] on *Achillea millefolium*. 14 Jul 1996. Canada: Kingsville, Ontario.

5820 BL Parker (AT 071). *Adelges tsugae* [Homoptera: Adelgidae]. 17 Oct 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5821 BL Parker (AT 072). *Adelges tsugae* [Homoptera: Adelgidae]. 3 Jul 1997. USA: Crabtree Falls, Virginia.

5822 BL Parker (AT 076). *Adelges tsugae* [Homoptera: Adelgidae]. 3 Jul 1997. USA: Crabtree Falls, Virginia.

5824 BL Parker (AT 132). *Adelges tsugae* [Homoptera: Adelgidae]. 19 Oct 1997. USA: Lovingston, Virginia.

5828 BL Parker (HWA 60/1). *Adelges tsugae* [Homoptera: Adelgidae]. 7 Mar 1998. USA: Mt. Tom, Holyoke, Massachusetts.

5829 BL Parker (HWA 143/2). *Adelges tsugae* [Homoptera: Adelgidae]. 2 Apr 1997. USA: Mt. Tom, Holyoke, Massachusetts.

5849 T Steenberg (SSL 82). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from *Myzus persicae* [Homoptera: Aphididae].

5852 T Steenberg (446). *Sminthurus viridis* [Collembola: Sminthuridae]. Summer 1994. Denmark: Aagerup, Zealand.

5854 T Steenberg (SSL 449). *Dreyfusia normannianiae* [Homoptera: Adelgidae] on *Abies nordmanniana* . Rec'd 26 Aug 1998. Denmark: Zealand.

5856 T Steenberg (SSL 607). Adult, *Carcinops pumilio* [Coleoptera: Histeridae]. Feb 1997. Denmark: Broiler house, Kværs, Jutland.

5859 T Steenberg (SSL 615). Adult, *Musca domestica* [Diptera: Muscidae]. Mar 1997. Denmark: Stable, Helsinge, Zealand.

6010 BL Parker ← V Gouli (SPT-R-151). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Sep 1998. Russian Federation: Volgograd.

6025 BL Parker ← V Gouli (SPT-R-215). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.

6035 BL Parker (AT-C-284). 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 30 Oct 1998. PR China: Site 4, Tree Number 16, Sichuan Province.

6045 BL Parker (AT-C-198). Aestivating 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 30 Oct 1999. PR China: Site 4, Tree Number 4, Sichuan Province.

6046 BL Parker (AT-C-291). Aestivating 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 30 Oct 1998. PR China: Site 4, Tree Number 15, Sichuan Province.

6047 BL Parker (AT-C-292). Aestivating 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 30 Oct 1998. PR China: Site 3, Tree Number 10, Sichuan Province.

6050 BL Parker (AT-C-295). Aestivating 2nd instar, *Adelges tsugae* [Homoptera: Adelgidae]. 29 Oct 1998. PR China: Site 1, Sichuan Province.

6068 BL Parker (SPT-U-271). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6085 BL Parker (SPT-2-309/1). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. Fall 1998. Syria: Al Kseabiia.

6144 TJ Poprawski. *Toxoptera citricida* [Homoptera: Aphididae]. 27 Jan 1999. Dominican Republic: Sabana Grande.

6145 TJ Poprawski. *Toxoptera citricida* [Homoptera: Aphididae]. 27 Jan 1999. Dominican Republic: Juan Jimenez.

6287 S Farrokhi (PPDRI 1). *Pulvinaria aurantii* [Homoptera: Coccidae]. Sep 1994. Iran: Sari, Mazandaran.

6290 S Farrokhi (PPDRI 5). [Homoptera] Mixed population of Coccidae and Diaspididae species. Oct 1997. Iran: Tonekabon, Mazandaran.

6291 S Farrokhi (PPDRI 6). *Pulvinaria aurantii* [Homoptera: Coccidae]. Sep 1998. Iran: Sari, Mazandaran.

6350 [RCEF 0221] Phylum Arthropoda, Class Arachnida. 8 Aug 1996. PR China: Guizhou Province.

6479 BL Parker (SPT-KZ-377). Adult, *Eurygaster* sp. [Hemiptera: Scutelleridae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'. **RESTRICTED ACCESS:.**
contact Curator

6487 BL Parker (SPT-KZ-417). Adult, [Coleoptera: Tenebrionidae] overwintering in soil. 6 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.530' E 076°36.526'. **RESTRICTED ACCESS:.**
contact Curator

6540 D Chandler (HRI 2.72). *Brachycaudus helichrysi* [Homoptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom.

6541 D Chandler (HRI 3.72). *Aphis gossypii* [Homoptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom.

6542 D Chandler (HRI 5.72). *Macrosiphoniella sanborni* [Homoptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom.

6543 D Chandler (HRI 6.72). *Myzus persicae* [Homoptera: Aphididae]. Rec'd 13 Jul 2000. United Kingdom.

6544 D Chandler (HRI 18.78). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae]. Rec'd 13 Jul 2000. United Kingdom.

6545 D Chandler (HRI 33.79). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 13 Jul 2000. United Kingdom.

6547 D Chandler (HRI 40.81). *Trialeurodes vaporariorum* [Homoptera: Aleyrodidae]. Rec'd 13 Jul 2000. United Kingdom.

6548 D Chandler (HRI 53.81). [Thysanoptera: Thripidae]. Rec'd 13 Jul 2000. United Kingdom.

6554 D Chandler (HRI 349.92). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.

6561 D Chandler (HRI 399.93). Adult, *Scatella stagnalis* [Diptera: Ephydridae]. Rec'd 13 Jul 2000. United Kingdom.

6606 JL Hatting. *Diuraphis noxia* [Homoptera: Aphididae]. 19 Jun 2000. Hungary: greenhouse, Budapest, Budapest.

6651 [EMBRAPA/CPAC] DEN Rangel (CPAC H2). *Leptopharsa heveae* [Hemiptera: Tingidae]. Rec'd 25 Oct 2000. French Guiana.

Verticillium pseudohemipterigenum HC Evans & Y Jun
[Sordariomycetes: Hypocreales]

5687 [IMI 374402] HC Evans (HE96-1013). *Bambusaspis sp.* [Homoptera: Coccoidea: Asterolecaniidae] on bamboo leaf. Fall 1996. Trinidad and Tobago: Parrylands, Siparia, Trinidad. Culture Ex Paratype.

***Zoophthora* sp.**
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae.

3486 J Eilenberg (KVL 79). *Forficula auricularia* [Dermaptera: Forficulidae]. Sep 1991. Denmark: Ølstykke, Frederiksberg.

3487 J Eilenberg (KVL 80). *Forficula auricularia* [Dermaptera: Forficulidae]. Sep 1991. Denmark: Ølstykke, Frederiksberg.

3488 J Eilenberg (KVL 81). *Forficula auricularia* [Dermaptera: Forficulidae]. Sep 1991. Denmark: Ølstykke, Frederiksberg.

7454 [CEP 127] C López Lastra. [Homoptera: Aphididae] on *Brassica oleracea* L., cabbage crop. 20 Apr 2004. Argentina: Parque Pereyra, Berazategui, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

Zoophthora anglica (Petch) Ben-Ze'ev & RG Kenneth
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

396 [ARSEF ?1377] S Keller (48). *Agriotes sputator* [Coleoptera: Elateridae]. 4 May 1977. Switzerland.

916 S Keller (411). *Notostira elongata* [Hemiptera: Miridae]. 25 Aug 1982. Switzerland.

926 S Keller (412). *Notostira elongata* [Hemiptera: Miridae]. 25 Aug 1982. Switzerland.

1739 N Wilding (85). *Trechus quadristriatus* [Coleoptera: Carabidae]. 5 Sep 1978. United Kingdom: Rothamsted Experimental Station, Hertfordshire, England.

2505 J Eilenberg (KVL 12). *Agriotes sputator* [Coleoptera: Elateridae]. 2 Jun 1986. Denmark: Brogaard, Fårevejle, Vestsjælland.

Zoophthora aphidis (Hoffman in Fresenius) Humber & Ben-Ze'ev
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

425 [ARSEF 467 (lost), 643 (lost); CSIRO EM740] S Keller (84). *Anoecia corni* [Homoptera: Aphididae]. Rec'd 6 Feb 1980. Switzerland.

Zoophthora lanceolata (S Keller) Humber & Ben-Ze'ev
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

426 [ARSEF ?468] S Keller (95). [Diptera: Nematocera]. Rec'd 6 Feb 1980. Switzerland: Rickenbach.
468 [ARSEF ?426] S Keller (95) ← G Remaudière. [Diptera: Brachycera]. Oct 1977. France.
469 S Keller (115). [Diptera: Nematocera]. Rec'd 27 May 1980. Switzerland: Rickenbach.

Zoophthora occidentalis (Thaxter) Humber & Ben-Ze'ev
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

207 [CSIRO EM680] RT Mietkiewski. *Macrosiphum euphorbiae* [Homoptera: Aphididae] on potato. 20 Sep 1977. USA: Rogers Farm, Stillwater, Maine.
2841 K Hural (FR-17). *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 5 Sep 1989. USA: Ithaca, New York.
3027 H Firstencel. *Acyrthosiphon pisum* [Homoptera: Aphididae]. 26 Jun 1990. USA: Freese Rd., Ithaca, New York.
3028 H Firstencel. *Acyrthosiphon pisum* [Homoptera: Aphididae]. 11 Jul 1990. USA: Stevenson Rd., Ithaca, New York.
3029 H Firstencel. *Acyrthosiphon pisum* [Homoptera: Aphididae]. 25 Jun 1990. USA: P-field, Aurora, New York.
3071 K Hural. *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 18 Sep 1990. USA: Hoffman field # 6G, Catherine, New York.
3073 K Hural. *Acyrthosiphon pisum* [Homoptera: Aphididae] on alfalfa. 18 Sep 1990. USA: Hoffman field # 7E, Catherine, New York.

Zoophthora phalloides (Batko) Humber, Ben-Ze'ev & RG Kenneth in Humber & Ben-Ze'ev
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

352 [ARSEF 1869 (lost)] CSIRO (EM548) or (EM681) ← N Wilding (27). *Myzus rannaculinum* [Homoptera: Aphididae]. 12 May 1978. France: Rennes, Ille-et-Vilaine.
2281 IL Sivcev (52/86). *Brevicoryne brassicae* [Homoptera: Aphididae]. 23 Jun 1986. Yugoslavia: PKB commune, Zemun, Belgrade.

Zoophthora phytonomi (Arthur) Humber, Ben-Ze'ev & RG Kenneth in Humber & Ben-Ze'ev
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae

113 [ARSEF 82 (lost); ATCC 34292; FPMI 951] RG Kenneth (3085) ← A Uziel. Larva, *Hypera variabilis* [Coleoptera: Curculionidae] on alfalfa. Apr 1976. Israel: Sedé Eliyahu.
191 RG Kenneth (3095) or (E.p. 2) ← I Ben-Ze'ev. Larva, *Hypera variabilis* [Coleoptera: Curculionidae]. Apr 1976. Israel: Sedé Eliyahu.
192 RG Kenneth (3133) ← I Ben-Ze'ev. Larva, *Hypera variabilis* [Coleoptera: Curculionidae] on alfalfa. 2 Mar 1977. Israel: Sedé Eliyahu.
202 [RG Kenneth 3178] AA Muka ← JP Kramer. *Hypera punctata* [Coleoptera: Curculionidae]. Jul 1977. USA: Ithaca, New York.
2188 RJ Dysart. Larva, *Hypera punctata* [Coleoptera: Curculionidae]. 29 Apr 1986. USA: Farmington, Delaware.
3342 S Roberts. *Hypera postica* [Coleoptera: Curculionidae]. Spring 1991. USA: Eddyville, Illinois.
3343 S Roberts. *Hypera postica* [Coleoptera: Curculionidae]. Spring 1991. USA: LaSalle County, Illinois.
3344 S Roberts. *Hypera postica* [Coleoptera: Curculionidae]. Spring 1991. USA: Albion, Illinois.

Zoophthora radicans (Brefeld) Batko
[Entomophthoromycotina: Entomophthorales]
Entomophthoraceae. Major synonyms: *Entomophthora sphaerosperma* Fresenius, *Entomophthora radicans* Brefeld, *Erynia radicans* (Brefeld) Humber, Ben-Ze'ev & Kenneth in Humber & Ben-Ze'ev.

13 [FPMI 696] RS Soper ← CC Thompson. *Neodiprion tsugae* [Hymenoptera: Diprionidae]. Aug 1971. USA: Prince of Wales Island, Alaska.
21 RS Soper ← DE Leonard (BBIV-20). Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 1973. USA: Maine.
44 [FPMI 697; RG Kenneth 3045] JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 16 Jun 1975. USA: Oxbow-Masardis, Maine.
45 JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 16 Jun 1975. USA: Oxbow-Masardis, Maine.
50 [FPMI 698] JD Vandenberg. Larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 16 Jun 1975. USA: 0.1 mi N of Oxbow Rd. on Rt. 11, Oxbow-Masardis, Maine.
52 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 19 Jun 1975. USA: 1.5 mi E of bridge at S. Bancroft, Bancroft Township, Maine.
68 [FPMI 688; IPLB 624] G Remaudière. *Tortrix viridana* [Lepidoptera: Tortricidae]. 22 May 1975. France: Forêt de Dourdan, Essonne.

72 [CSIRO EM532; FPMI 487] RG Kenneth (3046) ← ATCC (24493) ← DM MacLeod. *Lambdina fiscellaria fiscellaria* [Lepidoptera: Geometridae]. 7 Aug 1982. Canada: Ming's Bight, Newfoundland.

75 [FPMI 700] RG Kenneth (3060) or (E.s. 28). *Brachycaudus amygdalinus* [Homoptera: Aphididae] on *Polygonum equisetiforme* [Polygonaceae]. 23 Jan 1976. Israel: Rehovot, Central District.

88 [CSIRO EM569] JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1976. USA: nr. Selden Road, Haynesville Woods, Maine.

103 [CSIRO EM518, EM578, EM724; FPMI 701] RG Kenneth (3100) or (E.s. 31) ← A Uziel. *Therioaphis maculata* [Homoptera: Aphididae]. 11 Jul 1976. Israel: Sedé Eliyahu.

104 [CSIRO EM553, EM725] RG Kenneth (3101) or (E.s. 32) ← A Uziel. *Therioaphis maculata* [Homoptera: Aphididae]. 11 Jul 1976. Israel: Sedé Eliyahu.

105 [CSIRO EM726] RG Kenneth (3102) or (E.s. 33) ← A Uziel. *Therioaphis maculata* [Homoptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.

106 [CSIRO EM727] RG Kenneth (3103) or (E.s. 34) ← A Uziel. *Therioaphis maculata* [Homoptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.

107 [CSIRO EM554] RG Kenneth (3104) or (E.s. 35) ← A Uziel. *Therioaphis maculata* [Homoptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.

108 [CSIRO EM728] RG Kenneth (3105) or (E.s. 36) ← A Uziel. *Therioaphis maculata* [Homoptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.

109 [CSIRO EM729] RG Kenneth (3106) or (E.s. 37) ← A Uziel. *Therioaphis maculata* [Homoptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.

110 [CSIRO EM555] RG Kenneth (3107) or (E.s. 38) ← A Uziel. *Therioaphis maculata* [Homoptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.

111 [CSIRO EM556, EM730] RG Kenneth (3109) or (E.s. 40) ← A Uziel. *Therioaphis maculata* [Homoptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.

112 [CSIRO EM561] RG Kenneth (3110) or (E.s. 41) ← A Uziel. *Therioaphis maculata* [Homoptera: Aphididae]. 25 Jul 1976. Israel: Bet Dagan, Hamerkaz.

114 [CSIRO EM517] RG Kenneth (3096) or (E.s. 29) ← A Uziel. *Therioaphis maculata* [Homoptera: Aphididae]. 11 Jul 1976. Israel: Sedé Eliyahu.

126 [FPMI 702; IPLB 27] JP Latgé and G Remaudière (625). *Psyllida etrioza* [Homoptera: Psyllidae] on *Prunus pennsylvanicus* [Rosaceae]. 25 Aug 1976. Canada: Chute aux Galets, Québec.

139 [CSIRO EM731] RG Kenneth (3097) or (E.s. 30) ← A Uziel. *Therioaphis maculata* [Homoptera: Aphididae]. Acc'd 20 Nov 1978. Israel: Sedé Eliyahu.

141 [FPMI 687] JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 21 Jun 1977. USA: Map reference: T4R10, Maine.

142 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 20 Jun 1977. USA: Perham, Maine.

143 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 21 Jun 1977. USA: Perham, Maine.

144 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 21 Jun 1977. USA: Perham, Maine.

145 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 23 Jun 1977. USA: Carroll, Maine.

146 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 21 Jun 1977. USA: Map reference: T6R7, Shin Pond, Maine.

161 JD Vandenberg. Single spore reisolate of ARSEF 88. Jul 1977. Laboratory manipulation.

162 JD Vandenberg. Single spore reisolate of ARSEF 88. Jul 1977. Laboratory manipulation.

163 JD Vandenberg. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 1 Jul 1977. USA: forest-upper, Perham, Maine.

183 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.

184 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.

185 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.

186 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.

187 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.

188 JD Vandenberg. Single spore reisolate of ARSEF 88. Sep 1977. Laboratory manipulation.

189 [ATCC 32797; FPMI 703] RG Kenneth (2884) or (3044) ← CBS (216.66) ← M Gustafsson. Phylum Arthropoda, Class Insecta. Rec'd 1977. Sweden.

221 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Presque Isle, Maine.

223 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1978. USA: Springfield, Maine.

224 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1978. USA: Springfield, Maine.

225 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1978. USA: Macwahoq, Maine.

226 S Ignatowicz. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 24 Jun 1978. USA: Macwahoq, Maine.

227 S Ignatowicz. Pupa, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 3 Jul 1978. USA: Mamarda, Maine.

228 S Ignatowicz. Pupa, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 3 Jul 1978. USA: Mamarda, Maine.

229 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.

230 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.

231 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.

232 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.

233 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 28 Jun 1978. USA: Princeton, Maine.

234 S Ignatowicz. *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 30 Jun 1978. USA: Oak Hill, Maine.

235 S Ignatowicz. 6th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 30 Jun 1978. USA: Oak Hill, Maine.

237 [FPMI 704] P Dodge. *Therioaphis maculata* [Homoptera: Aphididae]. Aug 1978. USA: Ithaca, New York.

238 [CSIRO EM560] P Dodge. *Therioaphis maculata* [Homoptera: Aphididae]. Aug 1978. USA: Ithaca, New York.

239 P Dodge. *Therioaphis maculata* [Homoptera: Aphididae]. Aug 1978. USA: Ithaca, New York.

359 [ARSEF 370, 823; CSIRO EM539; IPLB 844] RJ Milner ← ARSEF (103). *Therioaphis maculata* [Homoptera: Aphididae]. Acc'd 8 Jun 1979. Australia: Armidale, New South Wales. Reisolated from field release at Armidale; forms protoplasts.

370 [ARSEF 359, 823; CSIRO EM539; IPLB 844] RJ Milner ← ARSEF (103). *Therioaphis maculata* [Homoptera: Aphididae]. Acc'd 27 Jul 1979. Australia: Armidale, New South Wales. Reisolated from field release at Armidale.

379 [IPLB 1118] CSIRO (EM540) ← JP Latgé. *Therioaphis maculata* [Homoptera: Aphididae]. 9 Nov 1978. Mexico.

388 S Keller (214). [Diptera]. Rec'd 3 Oct 1979. Switzerland: Zürich.

389 S Keller (217). *Dicyphus pallidus* [Hemiptera: Miridae]. Rec'd 3 Oct 1979. Switzerland: Zürich.

404 [FPMI 705] S Keller (59). Adult, [Lepidoptera]. 20 Jul 1977. Switzerland.

407 [FPMI 706] FPMI (655) ← P Degroot. 4th instar larva, *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 26 Jun 1979. Canada: Thessalon, Ontario.

491 H Beerman and DE McCabe. Reisolate of ARSEF 141 after 3 passes through *Choristoneura fumiferana* [Lepidoptera: Tortricidae]. 18 Jun 1980. Laboratory manipulation.

685 DW Roberts (102181-12). *Nilaparvata lugens* [Homoptera: Delphacidae]. 21 Oct 1981. PR China: Wuhan, Hupei.

789 [CNPAF 82-6-25-01; CP 64; CSIRO EM732] RA Daoust (EK8-1) and M Yokoyama. Adult, *Empoasca kraemeri* [Homoptera: Cicadellidae] on beans. 25 Jun 1982. Brazil: CNPAF, Goiânia, Goiás.

790 [CNPAF 82-6-25-02; CP 65; CSIRO EM733] RA Daoust (EK8-2) and M Yokoyama. Adult, *Empoasca kraemeri* [Homoptera: Cicadellidae] on beans. 25 Jun 1982. Brazil: CNPAF, Goiânia, Goiás.

800 EL Cuebas-Incle. [Homoptera: Cercopidae]. Jul 1979. USA: Six Mile Creek, Ithaca, New York.

822 [CSIRO EM667; IPLB 421] CSIRO (EM667) ← G Remaudière. *Capitophorus* sp. [Homoptera: Aphididae]. 24 Oct 1973. France: Quineville, Manche.

823 [ARSEF 359, 370; CSIRO EM539; IPLB 844] G Lutton and RJ Milner ← ARSEF (103). *Therioaphis maculata* [Homoptera: Aphididae]. 9 Nov 1978. Australia: Armidale, New South Wales. Reisolated from field release at Armidale.

899 SP Wraight (Ef-1). Reisolate of ARSEF 789 passed through *Empoasca fabae* [Homoptera: Cicadellidae]. Feb 1983. Laboratory manipulation.

914 S Keller (445). *Drepanosiphum aceris* [Homoptera: Aphididae]. Nov 1982. Switzerland.

1018 JV Maddox and MR McGuire (A). *Empoasca fabae* [Homoptera: Cicadellidae] on potato. 12 Sep 1983. USA: Arlington Research Station, nr. Madison, Wisconsin.

1019 JV Maddox and MR McGuire (B). *Empoasca fabae* [Homoptera: Cicadellidae] on potato. 12 Sep 1983. USA: Arlington Research Station, nr. Madison, Wisconsin.

1020 JV Maddox and MR McGuire (D). *Empoasca fabae* [Homoptera: Cicadellidae] on potato. 12 Sep 1983. USA: Arlington Research Station, nr. Madison, Wisconsin.

1021 JV Maddox and MR McGuire (F). *Empoasca fabae* [Homoptera: Cicadellidae] on potato. 12 Sep 1983. USA: Arlington Research Station, nr. Madison, Wisconsin.

1048 J Aoki (Ent. 8) ← H Kawamoto. *Plutella xylostella* [Lepidoptera: Plutellidae]. Dec 1975. Japan: Fuchu, Tokyo Prefecture.

1050 J Aoki (Ent. 26) ← M Shimazu. *Delphacodes striatella* [Homoptera: Delphacidae]. Dec 1976. Japan: Chikugo, Fukuoka Prefecture.

1082 CSIRO (EM752) ← G Lutton. *Merophyas divulsana* [Lepidoptera: Tortricidae]. 28 Jul 1983. Australia: Boonah, Queensland.

1100 AR Rashid. Larva, *Plutella xylostella* [Lepidoptera: Plutellidae]. Apr 1981. Malaysia: Cameron Highlands.

1125 [CSIRO EM682] M Shimazu (F-17). *Nilaparvata lugens* [Homoptera: Delphacidae]. Acc'd 29 Mar 1984. Japan: Fukuoka Prefecture.

1130 [CSIRO EM742] S Keller (444). *Drepanosiphum aceris* [Homoptera: Aphididae]. Nov 1982. Switzerland.

1136 M Shimazu (F-43). *Nilaparvata lugens* [Homoptera: Delphacidae]. Acc'd 3 Apr 1984. Japan: Fukuoka Prefecture.

1227 [CNPAF 84-04-03-6B; CP 127] DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.

1228 [CNPAF 84-04-02-5D; CP 128] DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.

1229 [CNPAF 84-04-02-6F; CP 129] DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.

1231 [CNPAF 84-04-02-5B; CP 131] DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.

1232 [CNPAF 84-04-02-5C; CP 132] DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.

1233 [CNPAF 84-04-02-6G; CP 133] DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.

1234 [CNPAF 84-04-02-6B; CP 134] DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.

1236 [CNPAF 84-04-02-5J; CP 136] DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.

1237 [CNPAF 84-04-02-5A; CP 137] DW Roberts. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 2 Apr 1984. Brazil: Palmitos, Santa Catarina.

1239 [CNPAF 84-03-30-2A-A; CP 139] DW Roberts. [Homoptera: Cicadellidae]. 30 Mar 1984. Brazil: Francisco Beltrão, Paraná.

1261 JV Maddox and MR McGuire (C). *Empoasca fabae* [Homoptera: Cicadellidae] on potato. 12 Sep 1983. USA: Arlington Research Station, nr. Madison, Wisconsin.

1262 JV Maddox and MR McGuire (E). *Empoasca fabae* [Homoptera: Cicadellidae] on potato. 12 Sep 1983. USA: Arlington Research Station, nr. Madison, Wisconsin.

1263 J Aoki (Ent. 5) ← M Shimazu. [Homoptera: Cicadellidae]. Acc'd 3 May 1984. Japan: Chikugo, Fukuoka Prefecture.

1336 [ARSEF 1428] S Balazy (1555). Adult, [Diptera: Nematocera] attached to the leaves of herbaceous plants on a leafy forest floor. 21 May 1983. Poland: Bialowieza National Park.

1337 S Balazy (1558b). [Diptera] attached to the underside of leaves of arboraceous plants. 22 May 1983. Poland: Bialowieza National Park.

1341 S Balazy (1577/6). *Pieris brassicae* [Lepidoptera: Pieridae]. 10 Sep 1983. Poland: Sadurki.

1342 S Balazy (1577/7). *Pieris brassicae* [Lepidoptera: Pieridae]. 10 Sep 1983. Poland: Sadurki.

1343 S Balazy (1577/8). *Pieris brassicae* [Lepidoptera: Pieridae]. 10 Sep 1983. Poland: Sadurki.

1344 S Balazy (1578/1). *Pieris brassicae* [Lepidoptera: Pieridae]. 10 Sep 1983. Poland: gardens, Turka.

1345 S Balazy (1578/2). Larva, *Pieris brassicae* [Lepidoptera: Pieridae]. 10 Sep 1983. Poland: Turka.

1346 S Balazy (1578/1-2). *Pieris brassicae* [Lepidoptera: Pieridae]. 10 Sep 1983. Poland: Turka.

1350 S Balazy (1589). Acc'd 5 Jun 1984. Poland.

1428 [ARSEF 1336] S Balazy (1555). [Diptera: Nematocera] attached to the leaves of herbaceous plants on a leafy forest floor. 21 May 1983. Poland: Bialowieza National Park.

1492 SG Wraight and SP Wraight (A-22). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 5 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

1493 SG Wraight and SP Wraight (A-24). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 9 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

1494 SG Wraight and SP Wraight (A-26). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 9 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

1495 SG Wraight and SP Wraight (A-31). [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

1496 SG Wraight and SP Wraight (A-33). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

1497 SG Wraight and SP Wraight (A-37). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

1498 SG Wraight and SP Wraight (A-41). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

1499 SG Wraight and SP Wraight (A-42). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

1500 SG Wraight and SP Wraight (A-44). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

1501 SG Wraight and SP Wraight (A-50). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

1502 SG Wraight and SP Wraight (B-37). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

1503 SG Wraight and SP Wraight (B-33). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

1504 SG Wraight and SP Wraight (B-40). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: bean field, CNPAF, Goiânia, Goiás.

1541 SG Wraight and SP Wraight (B-48). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1542 SG Wraight and SP Wraight (B-51). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1543 SG Wraight and SP Wraight (ErI11T3). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1544 [ARSEF 1595] SG Wraight and SP Wraight (A-9). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1581 SG Wraight and SP Wraight (A-6). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 4 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1582 SG Wraight and SP Wraight (A-5). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 4 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1583 SG Wraight and SP Wraight (A-7). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 4 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1584 SG Wraight and SP Wraight (A-10). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 4 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1585 SG Wraight and SP Wraight (A-12). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 4 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1586 SG Wraight and SP Wraight (A-13). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 4 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1587 SG Wraight and SP Wraight (A-16). [Homoptera: Cicadellidae]. 5 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1588 SG Wraight and SP Wraight (A-17). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 5 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1589 SG Wraight and SP Wraight (A-19). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 5 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1590 SG Wraight and SP Wraight (A-21). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 5 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1591 SG Wraight and SP Wraight (A-30). [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1593 SG Wraight and SP Wraight (A-40). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1594 SG Wraight and SP Wraight (A-43). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1595 [ARSEF 1544] SG Wraight and SP Wraight (A-9). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 Jul 1984. Brazil: CNPAF, Goiânia, Goiás.

1674 M Shimazu (F-448(1)). *Ptycholoma aeriferana* [Lepidoptera: Tortricidae]. 29 Jun 1984. Japan: Hokkaido Prefecture.

1675 M Shimazu (F-448(2)). *Ptycholoma aeriferana* [Lepidoptera: Tortricidae]. 29 Jun 1984. Japan: Hokkaido Prefecture.

1699 MC Rombach (A). *Cnaphalocrocis medinalis* [Lepidoptera: Pyralidae]. Acc'd 6 Nov 1984. Philippines: IRRI, Los Baños, Manila.

1719 S Keller (520). *Trioza urticae* [Homoptera: Psyllidae]. 18 Oct 1984. Switzerland: Trasadingen, Schaffhausen.

1841 SG Wraight and SP Wraight (Ef239t2). Reisolate of ARSEF 239 passed through *Empoasca fabae* [Homoptera: Cicadellidae]. 24 Jan 1985. Laboratory manipulation.

1928 SG Wraight and SP Wraight (A1a). *Empoasca kraemeri* [Homoptera: Cicadellidae] on cowpea. 25 May 1985. Brazil: CNPAF, Goiânia, Goiás.

1929 SG Wraight and SP Wraight (B1). *Empoasca kraemeri* [Homoptera: Cicadellidae] on cowpea. 25 May 1985. Brazil: CNPAF, Goiânia, Goiás.

1930 SG Wraight and SP Wraight (L2). *Empoasca kraemeri* [Homoptera: Cicadellidae] on beans. 29 May 1985. Brazil: CNPAF, Goiânia, Goiás.

1931 SG Wraight and SP Wraight (M2). *Empoasca kraemeri* [Homoptera: Cicadellidae] on beans. 29 May 1985. Brazil: CNPAF, Goiânia, Goiás.

1932 SG Wraight and SP Wraight (K2). *Empoasca kraemeri* [Homoptera: Cicadellidae] on beans. 29 May 1985. Brazil: CNPAF, Goiânia, Goiás.

1933 SG Wraight and SP Wraight (N1). *Empoasca kraemeri* [Homoptera: Cicadellidae] on beans. 29 May 1985. Brazil: CNPAF, Goiânia, Goiás.

1934 SG Wraight and SP Wraight (F). *Empoasca kraemeri* [Homoptera: Cicadellidae] on beans. 25 May 1985. Brazil: CNPAF, Goiânia, Goiás.

1935 SG Wraight and SP Wraight (J1). *Empoasca kraemeri* [Homoptera: Cicadellidae] on beans. 25 May 1985. Brazil: CNPAF, Goiânia, Goiás.

1937 SG Wraight and SP Wraight (W3). *Empoasca kraemeri* [Homoptera: Cicadellidae] on beans. 8 Jun 1985. Brazil: CNPAF, Goiânia, Goiás.

1938 MR McGuire (85-1(1pass)). *Empoasca fabae* [Homoptera: Cicadellidae] on snapbeans. 23 Jul 1985. USA: Champaign, Illinois.

2196 DW Roberts. [Homoptera: Cicadellidae]. 2 Jun 1986. Brazil: CNPAF, Goiânia, Goiás.

2241 RI Carruthers (HOP-V). *Empoasca* sp. [Homoptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.

2242 RI Carruthers (HOP-III). *Empoasca* sp. [Homoptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.

2243 RI Carruthers (HOP-II). *Empoasca* sp. [Homoptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.

2244 RI Carruthers (HOP-VII). *Empoasca* sp. [Homoptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.

2245 RI Carruthers (HOP-VI). *Empoasca* sp. [Homoptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.

2246 RI Carruthers (HOP-I). *Empoasca* sp. [Homoptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.

2256 TJ Poprawski (8631). Adult, *Hauptida distinguenda* [Homoptera: Cicadellidae] on sunflower. 29 Aug 1986. France: Roche sur Chalais, Charente.

2257 TJ Poprawski (8633). Adult, *Hauptida distinguenda* [Homoptera: Cicadellidae] on sunflower. 29 Aug 1986. France: Roche sur Chalais, Charente.

2258 TJ Poprawski (8634). Adult, *Hauptida distinguenda* [Homoptera: Cicadellidae] on sunflower. 29 Aug 1986. France: Roche sur Chalais, Charente.

2259 TJ Poprawski (8635). Adult, *Hauptida distinguenda* [Homoptera: Cicadellidae] on sunflower. 29 Aug 1986. France: Roche sur Chalais, Charente.

2260 TJ Poprawski (8636). Adult, *Hauptida distinguenda* [Homoptera: Cicadellidae] on sunflower. 29 Aug 1986. France: Roche sur Chalais, Charente.

2261 TJ Poprawski (8637). Adult, *Hauptida distinguenda* [Homoptera: Cicadellidae] on sunflower. 29 Aug 1986. France: Roche sur Chalais, Charente.

2262 TJ Poprawski (8639). Adult, *Hauptida distinguenda* [Homoptera: Cicadellidae] on sunflower. 30 Aug 1986. France: Angoulême, Charente.

2282 RI Carruthers (D-I). *Empoasca* sp. [Homoptera: Cicadellidae] on sugar beet. 4 Sep 1986. Yugoslavia: Dobakov.

2283 RI Carruthers (D-III). *Empoasca* sp. [Homoptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Dobakov.

2284 RI Carruthers (D-II). *Empoasca* sp. [Homoptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Dobakov.

2285 RI Carruthers. *Empoasca* sp. [Homoptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Padihska Skela.

2286 RI Carruthers (A-IV). *Empoasca* sp. [Homoptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.

2287 RI Carruthers (A-II). *Empoasca* sp. [Homoptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Zemun, Belgrade.

2288 RI Carruthers (D-IV). *Empoasca* sp. [Homoptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Dobakov.

2289 RI Carruthers (C-II). *Empoasca* sp. [Homoptera: Cicadellidae]. 4 Sep 1986. Yugoslavia: Padihska Skela.

2400 H Firstencel. *Empoasca fabae* [Homoptera: Cicadellidae]. Mar 1986. Location not specified. Segregant of ARSEF 1590, forms resting spores.

2410 DG Holdom (300187). Larva, *Cnaphalocrocis medinalis* [Lepidoptera: Pyralidae]. 30 Jan 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2411 DG Holdom (130287-2). Adult, *Sesamia inferens* [Lepidoptera: Noctuidae]. 13 Feb 1987. Indonesia: CIBA-GEIGY R & D Station, Cikampek, Jawa Barat, Java.

2499 [ARSEF 2524 (deaccessioned)] J Eilenberg (KVL 32). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.

2500 J Eilenberg (KVL 30). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.

2501 J Eilenberg (KVL 31). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.

2503 J Eilenberg (KVL 37). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.

2506 J Eilenberg (KVL 35). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.

2523 J Eilenberg (KVL 36). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.

2549 JV Maddox (HELMAV87, BULT). [Homoptera: Cicadellidae]. 1987. USA: N of Champaign, Illinois.

2550 JV Maddox (EL87, PLH). *Empoasca fabae* [Homoptera: Cicadellidae]. 1987. USA: N of Champaign, Illinois.

2551 JV Maddox (CHAMP87, BPLH-2). [Homoptera: Cicadellidae]. 1987. USA: N of Champaign, Illinois.

2552 JV Maddox (UNION87, BLH-1). [Homoptera: Cicadellidae]. 1987. USA: Union soybean field, McHenry, Illinois.

2554 [ARSEF 2669 (deaccessioned)] J Eilenberg (KVL 38). [Diptera]. 24 Aug 1987. Denmark: Strandholm, Fårevejle, Vestsjælland.

2558 H Firstencel. Laboratory reisolate of ARSEF 1590 from marcescent material stored 35 months. Rec'd 8 Mar 1988. Location not specified.

2600 BP Magalhães ← SP Wraight (T-7). Reisolate of ARSEF 1261. Acc'd 13 Sep 1988. Location not specified.

2601 BP Magalhães ← SP Wraight (T-8). Reisolate of ARSEF 1261. Acc'd 13 Sep 1988. Location not specified.

2666 J Eilenberg (KVL 47). *Delia radicum* [Diptera: Anthomyiidae]. 28 Jul 1988. Denmark: Roskilde, Zealand.

2696 [ARSEF ?3161] TJ Poprawski (8812D). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Zemun, Belgrade.

2697 TJ Poprawski (88102). Reisolate of ARSEF 2700 after 3 passes through *Schizaphis graminum* [Homoptera: Aphididae]. Rec'd 14 Apr 1989. Laboratory manipulation.

2698 TJ Poprawski (88111). Reisolate of ARSEF 2709 after 3 passes through *Chorisops tibialis* [Diptera: Stratiomyidae]. Rec'd 14 Apr 1989. Laboratory manipulation.

2699 TJ Poprawski (88113). Reisolate of ARSEF 2706 after 2 passes through *Empoasca flavescens* [Homoptera: Cicadellidae]. Rec'd 14 Apr 1989. Laboratory manipulation.

2700 [ARSEF 3171] G Mercadier and TJ Poprawski (8843A). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.

2701 [ARSEF 3119] G Mercadier and TJ Poprawski (8826). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.

2702 [ARSEF ?3117] TJ Poprawski (8824B). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.

2703 [ARSEF 3116] G Mercadier and TJ Poprawski (8820A). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Kovin.

2704 TJ Poprawski (88100). Reisolate of ARSEF 2702 after 2 passes through *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 14 Apr 1989. Laboratory manipulation.

2705 TJ Poprawski (88103). Reisolate of ARSEF 2701 after 7 passes through *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 14 Apr 1989. Laboratory manipulation.

2706 [ARSEF 3149] G Mercadier and TJ Poprawski (8825A). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.

2707 TJ Poprawski (88107). Reisolate of ARSEF 2696 after 2 passes through *Acyrthosiphon pisum* [Homoptera: Aphididae]. Rec'd 14 Apr 1989. Laboratory manipulation.

2708 [ARSEF ?3163] TJ Poprawski (8817B). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Zemun, Belgrade.

2709 [ARSEF 3114] G Mercadier and TJ Poprawski (8818A). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 20 Sep 1988. Yugoslavia: Kovin.

2710 TJ Poprawski (88121). Reisolate of ARSEF 2703 after 2 passes through *Schizaphis graminum* [Homoptera: Aphididae]. Rec'd 14 Apr 1989. Laboratory manipulation.

2711 TJ Poprawski (88108). Reisolate of ARSEF 2696 after 2 passes through *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 14 Apr 1989. Laboratory manipulation.

2712 TJ Poprawski (88116). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 20 Sep 1988. Yugoslavia: Kovin.

2713 [ARSEF 3164] G Mercadier and TJ Poprawski (8823A). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.

2714 TJ Poprawski (88129). Reisolate of ARSEF 2703 passed through *Syrphus* sp. [Diptera: Syrphidae]. Rec'd 14 Apr 1989. Laboratory manipulation.

2716 H Firstencel ← JV Maddox. *Empoasca fabae* [Homoptera: Cicadellidae] on snap bean. 1987. USA: Illinois Natural History Survey plot, Champaign, Illinois.

2717 H Firstencel ← JV Maddox. *Empoasca fabae* [Homoptera: Cicadellidae] on soybean. 1987. USA: Union field, McHenry, Illinois.

2718 H Firstencel ← JV Maddox. *Empoasca fabae* [Homoptera: Cicadellidae] on bean. 1987. USA: Helmar field, Kendall, Illinois.

2719 H Firstencel ← JV Maddox. *Empoasca fabae* [Homoptera: Cicadellidae] on soybean. 1987. USA: East Lynn field, Vermillion, Illinois.

2720 H Firstencel ← JV Maddox. *Empoasca fabae* [Homoptera: Cicadellidae]. 1985. USA: Champaign, Illinois.

2732 GW Riethmacher (EB2). *Plutella xylostella* [Lepidoptera: Plutellidae]. 6 Apr 1989. Philippines: La Trinidad, Benguet.

2811 MG Feng (MD8901). *Metopolophium dirhodum* [Homoptera: Aphididae] on spring wheat. 7 Jul 1989. USA: Parma, Idaho.

2893 GW Riethmacher (E2). *Plutella xylostella* [Lepidoptera: Plutellidae]. 3 Apr 1989. Philippines: La Trinidad, Benguet.

2977 D Landis (1A). *Empoasca fabae* [Homoptera: Cicadellidae] on alfalfa. 23 Aug 1989. USA: Michigan State University Botany Farm, Ingham County, Michigan.

2978 D Landis (1B). *Empoasca fabae* [Homoptera: Cicadellidae] on alfalfa. 23 Apr 1989. USA: Michigan State University Botany Farm, Ingham County, Michigan.

2979 D Landis (1C). *Empoasca fabae* [Homoptera: Cicadellidae] on alfalfa. 23 Aug 1989. USA: Michigan State University Botany Farm, Ingham County, Michigan.

2980 D Landis (2A). *Empoasca fabae* [Homoptera: Cicadellidae] on alfalfa. 24 Aug 1989. USA: Hudson Farm, Allegan County, Michigan.

2994 LG Leite and SP Wraight (C-1 Topo SP-3). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 20 Apr 1990. Brazil: Ribeirão Grande, São Paulo.

2995 LG Leite and SP Wraight (C-1 Topo SP-2). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 20 Apr 1990. Brazil: Ribeirão Grande, São Paulo.

2996 LG Leite and SP Wraight (C-2 Test SP-5). *Empoasca kraemeri* [Homoptera: Cicadellidae]. 20 Apr 1990. Brazil: Ribeirão Grande, São Paulo.

3002 SP Wraight ← LG Leite. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 10, field # 1, Capão Bonito, São Paulo.

3003 SP Wraight ← LG Leite. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 4, field # 1, Capão Bonito, São Paulo.

3004 SP Wraight ← LG Leite. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 2, field # 2, Capão Bonito, São Paulo.

3005 SP Wraight ← LG Leite. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 5 Apr 1990. Brazil: treatment plot # 1, field # 1, Capão Bonito, São Paulo.

3006 SP Wraight ← LG Leite. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 10, field # 1, Capão Bonito, São Paulo.

3007 SP Wraight ← LG Leite. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 2, field # 1, Capão Bonito, São Paulo.

3008 SP Wraight ← LG Leite. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 2, field # 2, Capão Bonito, São Paulo.

3009 SP Wraight ← LG Leite. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 30 Apr 1990. Brazil: treatment plot # 1, field # 1, Capão Bonito, São Paulo.

3010 SP Wraight ← LG Leite. *Empoasca kraemeri* [Homoptera: Cicadellidae]. Apr 1990. Brazil: treatment plot # 3, field # 1, Capão Bonito, São Paulo.

3011 SP Wraight ← LG Leite. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 30 Apr 1990. Brazil: control plot # 1, field # 1, Capão Bonito, São Paulo.

3012 SP Wraight ← LG Leite. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 7 May 1990. Brazil: treatment plot # 3, field # 1, Capão Bonito, São Paulo.

3013 SP Wraight ← LG Leite. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 10 May 1990. Brazil: control plot # 1, field # 1, Capão Bonito, São Paulo.

3021 H Firstencel (Yugo-1). Rec'd 21 Dec 1989. Location not specified. The Yugo mix, created by H. Firstencel, is a combination of the following 7 isolates: 2706, 2246, 2288, 2712, 2240, 2283, 2243.

3022 H Firstencel (Yugo-2). Rec'd 21 Dec 1989. Location not specified. The Yugo mix, created by H. Firstencel, is a combination of the following 7 isolates: 2706, 2246, 2288, 2712, 2240, 2283, 2243.

3023 H Firstencel (Brazil-1). Rec'd 21 Dec 1989. Location not specified. The Brazil mix, created by H. Firstencel, is a combination of the following 7 isolates: 1228, 1239, 1493, 1928, 1231, 1504, 1581.

3024 H Firstencel (Brazil-2). Rec'd 21 Dec 1989. Location not specified. The Brazil mix, created by H. Firstencel, is a combination of the following 7 isolates: 1228, 1239, 1493, 1928, 1231, 1504, 1581.

3026 DW Roberts ← LG Leite. *Empoasca kraemeri* [Homoptera: Cicadellidae]. 5 Apr 1990. Brazil.

3104 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 13 Sep 1990. USA: Hoffman field, strip # 1, Catherine, New York.

3105 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. 13 Sep 1990. USA: Hoffman field, strip # 1, Catherine, New York.

3114 [ARSEF 2709] G Mercadier and TJ Poprawski (8818A). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 20 Sep 1988. Yugoslavia: Kovin.

3115 G Mercadier and TJ Poprawski (8819A). *Typhlocyba* sp. [Homoptera: Cicadellidae] on sugar beet. 20 Sep 1988. Yugoslavia: Kovin.

3116 [ARSEF 2703] G Mercadier and TJ Poprawski (8820A). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Kovin.

3117 [ARSEF ?2702] TJ Poprawski (8824B). Reisolate of ARSEF 3150 passed through *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 27 Nov 1990. Laboratory manipulation.

3118 TJ Poprawski (8825B). Reisolate of ARSEF 3149 passed through *Musca autumnalis* [Diptera: Muscidae]. Rec'd 27 Nov 1990. Laboratory manipulation.

3119 [ARSEF 2701] G Mercadier and TJ Poprawski (8826). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.

3149 [ARSEF 2706] G Mercadier and TJ Poprawski (8825A). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 22 Sep 1988. Yugoslavia: Zemun, Belgrade.

3150 G Mercadier and TJ Poprawski (8824A). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 22 Sep 1988. Yugoslavia: Zemun, Belgrade.

3151 TJ Poprawski (8819B). *Empoasca vitis* [Homoptera: Cicadellidae]. Rec'd 27 Nov 1990. Laboratory manipulation. Reisolate of ARSEF 3225.

3159 G Mercadier and TJ Poprawski (8812B). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Zemun, Belgrade.

3160 G Mercadier and TJ Poprawski (8812C). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 23 Sep 1988. Yugoslavia: Zemun, Belgrade.

3161 [ARSEF ?2696] TJ Poprawski (8812D). Rec'd 11 Dec 1990. Laboratory manipulation.

3162 TJ Poprawski (8817A) ← IL Sivcev. *Empoasca vitis* [Homoptera: Cicadellidae]. 23 Sep 1988. Location not specified.

3163 [ARSEF ?2708] TJ Poprawski (8817B). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 11 Dec 1990. Laboratory manipulation. Reisolate of ARSEF 3162.

3164 [ARSEF 2713] G Mercadier and TJ Poprawski (8823A). *Empoasca vitis* [Homoptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.

3165 G Mercadier and TJ Poprawski (8830A). *Empoasca vitis* [Homoptera: Cicadellidae] on cabbage. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.

3170 G Mercadier and TJ Poprawski (8842A). *Typhlocyba* sp. [Homoptera: Cicadellidae] on *Abutilon* sp. 20 Sep 1988. Yugoslavia: Zemun, Belgrade.

3171 [ARSEF 2700] G Mercadier and TJ Poprawski (8843A). *Typhlocyba* sp. [Homoptera: Cicadellidae] on sugar beet. 21 Sep 1988. Yugoslavia: Zemun, Belgrade.

3172 TJ Poprawski (8843B). *Empoasca vitis* [Homoptera: Cicadellidae]. Rec'd 11 Dec 1990. Laboratory manipulation. Reisolate of ARSEF 3171.

3204 GW Riethmacher (E3). *Plutella xylostella* [Lepidoptera: Plutellidae]. 5 Apr 1989. Philippines: La Trinidad, Benguet.

3205 GW Riethmacher (E5). *Plutella xylostella* [Lepidoptera: Plutellidae]. 7 Apr 1989. Philippines: La Trinidad, Benguet.

3206 GW Riethmacher (E6). *Plutella xylostella* [Lepidoptera: Plutellidae]. 3 May 1989. Philippines: La Trinidad, Benguet.

3213 M Wheeler (Yugo Mix Plate#1). Rec'd 27 Dec 1990. Location not specified. This culture was taken from a bubbler mixture of ARSEFs 2240, 2243, 2246, 2283, 2288, 2706, and 2712.

3214 M Wheeler (Yugo Mix Plate#2). Rec'd 27 Dec 1990. Location not specified. This culture was taken from a bubbler mixture of ARSEFs 2240, 2243, 2246, 2283, 2288, 2706, and 2712.

3217 SG Wraight and SP Wraight (Ef1590). Reisolate of ARSEF 1590 passed through *Empoasca fabae* [Homoptera: Cicadellidae]. Rec'd 22 Jan 1991. Laboratory manipulation.

3283 [ARSEF 3284] S Roberts (Champ90LH2To(B)). *Empoasca fabae* [Homoptera: Cicadellidae] on alfalfa. 1990. USA: Champaign County, Illinois.

3284 [ARSEF 3283] S Roberts (Champ90LH2To(E)). *Empoasca fabae* [Homoptera: Cicadellidae] on alfalfa. 1990. USA: Champaign County, Illinois.

3355 M Wheeler. *Empoasca fabae* [Homoptera: Cicadellidae]. Rec'd 13 Jun 1991. Laboratory manipulation. Reisolate of 1019 after two passes through PLH.

3376 M Wheeler ← MH Griggs. *Empoasca fabae* [Homoptera: Cicadellidae]. 26 Jul 1991. USA: Game Farm Rd., Ithaca, New York.

3377 M Wheeler ← MH Griggs. *Empoasca fabae* [Homoptera: Cicadellidae]. 29 Jul 1991. USA: Game Farm Rd., Ithaca, New York.

3390 M Wheeler ← MH Griggs. *Empoasca fabae* [Homoptera: Cicadellidae]. 5 Aug 1991. USA: Game Farm Rd., Ithaca, New York.

3623 ATCC (32245) ← RG Kenneth (3029). *Empoasca* sp. [Homoptera: Cicadellidae] on citrus leaf. Rec'd 11 Mar 1992. Israel: Girat, Brenner.

3697 MH Griggs. *Empoasca fabae* [Homoptera: Cicadellidae]. Rec'd Spring 1992. Laboratory manipulation.

3737 I Ben-Ze'ev and A Uziel. *Therioaphis trifolii f. maculata* [Homoptera: Aphididae]. Aug 1985. Israel: Bet-Seham Valley.

4520 MH Griggs (PLH3284ows). *Empoasca fabae* [Homoptera: Cicadellidae]. 2 Jun 1994. USA: USPSNL, Ithaca, New York. Cadavers infected with ARSEF 3284 overwintered 1993-1994 and reisolated.

4781 [INIA 2330] J Eilenberg (KVL 608). *Epinotia aporema* [Lepidoptera: Tortricidae]. 7 May 1994. Uruguay.

4782 [INIA 2553] J Eilenberg (KVL 609). *Epinotia aporema* [Lepidoptera: Tortricidae]. 13 May 1994. Uruguay.

4783 [INIA 228] J Eilenberg (KVL 613). *Anacampsis humilis* [Lepidoptera: Gelechiidae]. Rec'd 13 Sep 1994. Uruguay.

4784 [INIA 2562] J Eilenberg (KVL 610). *Epinotia aporema* [Lepidoptera: Tortricidae]. 13 May 1994. Uruguay.

4785 [INIA 2377] J Eilenberg (KVL 611). *Epinotia aporema* [Lepidoptera: Tortricidae]. 7 May 1994. Uruguay.

5814 C López Lastra. Larva, *Epinotia aporema* [Lepidoptera: Tortricidae] on *Lupinus* sp. Rec'd 28 Aug 1998. Argentina: Los Hornos, La Plata, Buenos Aires.

6003 SR Sánchez Peña. Larva, *Trichoplusia ni* [Lepidoptera: Noctuidae] in a broccoli plot. Nov 1998. Mexico: Universidad Agraria Antonio Narro campus, Saltillo, Coahuila.

6303 R Alatorre Rosas (Jav.13). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6313 R Alatorre Rosas (Mina.2). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6314 R Alatorre Rosas (Mina.2-2). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6315 R Alatorre Rosas (Mina.16). *Plutella xylostella* [Lepidoptera: Plutellidae]. Rec'd 22 Oct 1999. Mexico: Guanajuato State.

6605 JL Hatting (Sample G). *Molopopterus theae* [Homoptera: Cicadellidae]. 4 Aug 1999. South Africa: Site grid reference S 32° 00' 30.4" E 18° 55' 15.6" , Clanwilliam, Cape Province.

6917 C López Lastra (1). Larva, *Tuta absoluta* [Lepidoptera: Gelechidae] on *Lycopersicon esculentum* Miller, tomato in covered greenhouses. 12 Jun 2001. Argentina: Colonia Urquiza, La Plata, Buenos Aires.

7208 [CEP 052] C López Lastra. *Aphis fabae* [Homoptera: Aphididae] on *Solanum melongena* L., eggplant. 26 Mar 2003. Argentina: Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7455 [CEP 130] C López Lastra. [Homoptera: Aphididae] on *Brassica oleracea* L., cabbage crop. 30 Mar 2004. Argentina: Arana, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7788 [CEP 172] C López Lastra ← AC Scorsetti. [Homoptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 12 Apr 2005. Argentina: General Mansilla, Partido Magdalena, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

7789 [CEP 173] C López Lastra ← AC Scorsetti. [Homoptera: Aphididae] on *Cynara cardunculus* L., artichoke crop. 8 Sep 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires. **RESTRICTED ACCESS:** *consult Curator*.

8466 AV Toledo (ZR062). Adult, [Diptera]. 13 May 2007. Argentina: La Plata, Buenos Aires.

Unidentified / Hyphomycetes
[Acari]
Unknown species 7374 10281
[Araneida]
Unknown species 7345
[Coleoptera]
Unknown species 8641
[Coleoptera: Buprestidae]
Agrilus planipennis 8155 8179 8183 8184
[Coleoptera: Coccinellidae]
Unknown species 5677
[Coleoptera: Curculionidae]
Unknown species 2225 5695
[Coleoptera: Scarabaeidae]
Popillia japonica 5223 5224 5225 5226 5227
Rhizotrogus majalis 2999
[Diptera]
Unknown species 7078 10171
[Hemiptera: Miridae]
Lygus lineolaris 6504
[Hemiptera: Pentatomidae]
Acanthosoma labiduroides 5698
Halyomorpha halys 10386 10387 10392
[Hemiptera: Tingidae]
Leptopharsa heveae 8640
[Homoptera]
Unknown species 7392 7806
[Homoptera: Adelgidae]
Adelges tsugae 9364 9366
[Homoptera: Aleyrodidae]
Unknown species 9539
[Homoptera: Aphididae]
Unknown species 6503
Diuraphis noxia 4689 4690
[Homoptera: Cicadellidae]
Recilia dorsalis 2177
[Homoptera: Coccidae]
Parthenolecanium corni 9538
[Homoptera: Coccoidea]
Unknown species 7386
[Homoptera: Diaspididae]
Fiorinia externa 7067
[Homoptera: Ortheziidae]
Orthezia insignis 7383
[Homoptera: spf. Coccoidea]
Unknown species 7076 7081 7086
[Hymenoptera: Pamphiliidae]
Unknown species 7518
[Isoptera: Termitidae]
Nasutitermes acajutlae 7802
[Lepidoptera]
Unknown species 9540
[Lepidoptera: Lymantriidae]
Lymantria dispar 4899 4900
[Lepidoptera: Pyralidae]
Galleria mellonella 5199
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10191 10282 10283 10284 10285 10286 10292 10293 10307
Thrips tabaci 3142
[Tylenchida: Heteroderidae]
Heterodera glycines 5237 5238 5239 5240 5241 5242 5243 5244 5245 5246 5247 5248

Unidentified / Zygomycetes
[Homoptera: Aphididae]
Unknown species 6157 6158 6159 6507 6508 6509 6510 6511
Acyrthosiphon pisum 6119 6160
Aphis fabae 2022
Diuraphis noxia 4970 4971

Unidentified Entomophthorales sp.
[Diptera: Tipulidae]
Unknown species 7227 7228 7229 7230

Unidentified sp.
[Acari: Ixodidae]
Ixodes scapularis 6895 6899
[Araneida]
Unknown species 1419 3209
[Coleoptera]
Unknown species 1634
[Coleoptera: Chrysomelidae]
Leptinotarsa decemlineata 3724
Oulema melanopus 3980
Phyllotreta nigripes 4037
[Coleoptera: Coccinellidae]
Hippodamia convergens 3821
[Coleoptera: Curculionidae]
Aracanthus 3478
Sternechus subsignatus 3471
[Coleoptera: Scarabaeidae]
Aphodius tasmaniae 4140
Popillia japonica 3714 3719 3722 3841
[Diptera]
Unknown species 1922
[Diptera: Culicidae]
Anopheles 2563
Anopheles gambiae 3380 3381
[Diptera: Psychodidae]
Lutzomyia 3123 3124 3378 3420 3421 3423 3424 3425 3427 3428
Lutzomyia longipalpis 3422
Lutzomyia saulensis 3413 3417 3419
Lutzomyia trapidoi 3426
[Diptera: Simuliidae]
Unknown species 3227 3228 3230 3231 3232 3233 3235 3236 3245 3246 3247
[Diptera: Tipulidae]
Tipula 9334
[Hemiptera]
Unknown species 1423
[Homoptera: Adelgidae]
Adelges tsugae 9921
[Homoptera: Aleyrodidae]
Unknown species 4003 7070
Bemisia 3798 3799 3801 3802 3805 3806 3807
Bemisia tabaci 3773 3779 3842 3844 3845 3847 3849 3850 3869 3876
Dialeurodes citri 3304
[Homoptera: Aphididae]
Unknown species 1693 1694 3122 3125 3894 4204 4214 4215
Metopolophium dirhodum 3368
Myzus nicotinae 3239
Rhopalosiphum padi 3374
[Homoptera: Cercopidae]
Aeneolamia varia 6370
Prosapia simulans 3536
Zulia carbonaria 6463 6466
[Homoptera: Cicadellidae]
Empoasca fabae 3128
[Homoptera: Membracidae]
Unknown species 4000
[Hymenoptera: Apidae]
Unknown species 4844
[Hymenoptera: Formicidae]
Solenopsis invicta 2640 3860
[Hymenoptera: Ichneumonidae]
Cratichneumon lanius 1421
[Lepidoptera: Geometridae]
Hibernia defoliaria 1415 1417
Lambdina athasaria 3567 3568 3569
[Lepidoptera: Incurvariidae]
Paraclemensia acericaulis 3794 3796 3797
[Lepidoptera: Plutellidae]
Plutella xylostella 2821
[Lepidoptera: Pyralidae]
Cnaphalocrocis medinalis 1703
Diatraea saccharalis 3298 3299 3804
[Lepidoptera: Riodinidae]
Euselasia 3467 3468
[Lepidoptera: Yponomeutidae]
Yponomeuta 3998
[Thysanoptera: Phlaeothripidae]
Haplothrips tritici 3990 3991 3992 4201
[Thysanoptera: Thripidae]
Frankliniella occidentalis 3570 3993 3994 3997
Taeniothrips inconsequens 3319 3560
[Trichoptera]
Unknown species 3242 3243

Acremonium sp.
[Homoptera: Adelgidae]
Adelges tsugae 5773
[Homoptera: Aleyrodidae]
Bemisia tabaci 4058 4059
[Thysanoptera: Thripidae]
Thrips tabaci 4063

Acremonium alternatum
[Coleoptera: Scolytidae]
Hypothenemus hampei 7282

Acremonium bactrocephalum
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10166 10167 10168 10169

Acremonium berkeleyanum
[Lepidoptera: Lymantriidae]
Lymantria dispar 2067

Acremonium furcatum
[Coleoptera: Curculionidae]
Hypera postica 1372

Acremonium psammosporum
[Thysanoptera: Thripidae]
Thrips tabaci 4062

Acremonium roseum
[Lepidoptera: Noctuidae]
Pseudoplusia ni 1964

Acremonium(?) sp.
[Homoptera: Adelgidae]
Adelges tsugae 9368
[Homoptera: Coccidae]
Unknown species 7036
[Thysanoptera: Thripidae]
Frankliniella occidentalis 7031

Acrodontium crateriforme
[Lepidoptera: Lymantriidae]
Lymantria dispar 2070

Akanthomyces clavatus
[Hymenoptera: Formicidae]
Solenopsis invicta 7577

Akanthomyces gracilis
[Hymenoptera: Formicidae]
Paltothyreus tarsatus 2910 2919

Amoebidium appalachense
[Diptera: Chironomidae]
Chironomus 9181 9255 9256

Amoebidium parasiticum
[Cladocera]
Unknown species 9182 9257
[Diptera: Chironomidae]
Chironomus 9183

Aphanocladium sp.
[Homoptera: Delphacidae]
Delphacodes kuscheli 8457 8458

Aphanocladium album
[Araneida: Araneae]
Unknown species 6492
[Coleoptera: Curculionidae]
Hypera postica 1329
[Hemiptera: Scutelleridae]
Eurygaster 5756
[Homoptera: Aleyrodidae]
Bemisia tabaci 3680

Aphanomyces sp.
[Dorylaimida: Longidoridae]
Xiphinema americanum 2005

Arthrobotrys oligospora
[Diptera: Anthomyiidae]
Delia floralis 5561 5562
[Tylenchida: Heteroderidae]
Meloidogyne hapla 4967

Aschersonia sp.
[Homoptera]
Unknown species 3015
[Homoptera: Aleyrodidae]
Unknown species 3014 4207 4208 4210 4433 4435 4436 4437 4438 4439 4440 4441 4442 4443 4444 4445 4448 4449 5215 5216
Dialeurodes citri 2351 2357 2358 2397 2398 4424 4426 4430 4431 4432
[Homoptera: spf. Coccoidea]
Unknown species 7085

Aschersonia aleyrodis
[Homoptera: Aleyrodidae]
Unknown species 430 432 4209
Aglaia odoratissima 2154
Dialeurodes ?citri 341 342
Dialeurodes citri 992 9535
Trialeurodes vaporariorum 2268

Aschersonia andropogonis
[Homoptera]
Unknown species 7391

Aschersonia goldiana
[Homoptera: Aleyrodidae]
Dialeurodes ?citri 343

Aschersonia insperata
[Homoptera: Aleyrodidae]
Dialeurodes citri 2356 2396

Aschersonia placenta
[Homoptera: Aleyrodidae]
Dialeurodes citri 7603
[Homoptera: Coccoidea]
Unknown species 7604

Aschersonia rhombispora
[Homoptera]
Unknown species 7390

Aschersonia turbinata
[Homoptera]
Unknown species 1030

Ascopolyporus philodendrus
[Homoptera: Coccoidea]
Unknown species 7354

Ascopolyporus villosus
[Homoptera: Coccoidea]
Unknown species 7355

Ascosphaera sp.
[Hymenoptera: Superfamily Apoidea]
Unknown species 7368

Ascosphaera aggregata
[Hymenoptera: Megachilidae]
Megachile rotundata 689 690

Ascosphaera apis
[Hymenoptera: Apidae]
Apis mellifera 691 692 2683 5142 6362 7405 7406

Ascosphaera arienoides
[Hymenoptera: Megachilidae]
Megachile 5143

Ascosphaera atra
[Hymenoptera: Apidae]
Apis mellifera 5147
[Hymenoptera: Megachilidae]
Megachile rotundata 693

Ascosphaera duoformis
[Hymenoptera: Apidae]
Apis mellifera 5141

Ascosphaera flava
[Hymenoptera: Megachilidae]
Megachile 5144

Ascosphaera larvis
[Hymenoptera: Megachilidae]
Megachile rotundata 7945 7946

Ascosphaera major
[Hymenoptera]
Unknown species 694

Ascosphaera proliperda
[Hymenoptera: Megachilidae]
Megachile centuncularis 695
Megachile rotundata 696 6363

Ascosphaera solina
[Hymenoptera: Colletidae]
Unknown species 5146

Ascosphaera subcuticulata
[Hymenoptera: Megachilidae]
Chalicodoma 5145

Aspergillus sp.
[Acari: Ixodidae]
Ixodes scapularis 6604 6898
[Blattodea: Blattellidae]
Supella longipalpa 8284
[Coleoptera: Chrysomelidae]
Leptinotarsa decemlineata 6571
[Coleoptera: Curculionidae]
Anthonomus grandis 7048
[Hemiptera: Pentatomidae]
Dolycorus 6405 6406 6408
Nezara viridula 8280
[Hemiptera: Scutelleridae]
Eurygaster 6399
[Homoptera: Aleyrodidae]
Bemisia tabaci 3698
[Homoptera: Cercopidae]
Aeneolamia varia 6369
[Homoptera: Delphacidae]
Sogatella furcifera 8519
[Hymenoptera: Megachilidae]
Megachile rotundata 6364
[Isoptera: Termitidae]
Unknown species 8633
[Lepidoptera: Noctuidae]
Rachiplusia nu 5205
[Lepidoptera: Plutellidae]
Plutella xylostella 2765 2817 2820
[Orthoptera: Acrididae]
Melanoplus 1152

Aspergillus clavatus
[Homoptera: Aphididae]
Myzus persicae 4359
[Homoptera: Pseudococcidae]
Phenacoccus solenopsis 9375

Aspergillus flavus
[Coleoptera: Cerambycidae]
Anoplophora glabripennis 6469
[Coleoptera: Scarabaeidae]
Pachnoda interrupta 6454
[Coleoptera: Tenebrionidae]
Tenebrio molitor 9381
[Diptera: Bombylidae]
Unknown species 3430
[Diptera: Sarcophagidae]
Neobullieria citellivora 3144
[Homoptera: Pseudococcidae]
Phenacoccus solenopsis 9376
[Hymenoptera: Formicidae]
Anoplolepsis longipes 2157 2158 2159
[Lepidoptera: Bombycidae]
Bombyx mori 1003 1010
[Lepidoptera: Gelechiidae]
Phthorimaea operculella 4126
[Lepidoptera: Plutellidae]
Plutella xylostella 2818

Aspergillus flavus(?)
[Lepidoptera: Pyralidae]
Galleria mellonella 5503 5504 5505 5506 5507 5508 5509

Aspergillus nidulans(?)
[Coleoptera: Curculionidae]
Diaprepes abbreviata 6515

Aspergillus niger
[Hemiptera: Pentatomidae]
Dolycorus 6407
[Hemiptera: Scutelleridae]
Eurygaster 5721
[Hymenoptera: Megachilidae]
Osmia lignaria 6365
[Isoptera: Termitidae]
Nasutitermes acajutlae 7797 7798 7799
[Orthoptera]
Unknown species 3143

Aspergillus niger(?)
[Diptera: Drosophilidae]
Drosophila 7975

Aspergillus ochraceus
[Acari: Ixodidae]
Ixodes scapularis 3325
[Hemiptera: Scutelleridae]
Eurygaster 5722
[Lepidoptera: Lymantriidae]
Lymantria dispar 2833

Aspergillus ochraceus(?)
[Hymenoptera: Formicidae]
Solenopsis invicta 7027

Aspergillus parasiticus
[Coleoptera: Curculionidae]
Unknown species 2173
[Lepidoptera: Pyralidae]
Eoreuma loftini 5470

Aspergillus sydowii
[Alcyonacea: Gorgoniidae]
Gorgonia ventalina 8379 8380 8381 8382

Aspergillus tamarii
[Lepidoptera: Gelechiidae]
Phthorimaea operculella 4127

Barbatospora ambicaudata
[Diptera: Simuliidae]
Simulium vandalicum 9020

Basidiobolus sp.
[Anura: Bufonidae]
Bufo bufo 9894 9895 9896 9897 9898 9899 9906 9907 9908
[Anura: Dendrobatidae]
Dendrobates leucomelas 9888
[Anura: Discoglossidae]
Alytes 9903 9904 9905 9909 9910 9911 9912
Discoglossus 9900 9901 9902
[Anura: Microhylidae]
Dyscophus guineti 9887
[Anura: Ranidae]
Hylarana erythraea 9890
Hylarana glandulosa 9892
Hylarana labialis 9891 9893
[Caudata: Salamandridae]
Triturus marmoratus 9889
[Primates: Hominidae]
Homo sapiens 273

Basidiobolus haptosporus
[Diptera: Brachycera]
Unknown species 1347
[Primates: Hominidae]
Homo sapiens 261 272

Basidiobolus ranarum
[Lepidoptera: Lasiocampidae]
Dendrolimus spectabilis 1139

Batkoa sp.
[Coleoptera: Cantharidae]
Unknown species 5810
[Homoptera: Aphididae]
Acyrthosiphon pisum 3131
[Lepidoptera: Lasiocampidae]
Malacosoma disstria 7370
[Lepidoptera: Noctuidae]
Panolis flammea 6179

Batkoa apiculata
[Diptera: Sciaridae]
Unknown species 919 927 1660 1661
Bradysia paupera 3225 3226
[Homoptera: Aphididae]
Acyrthosiphon kondoi 839
Acyrthosiphon pisum 2504 3136 3140
Brevicoryne brassicae 1146
Macrosiphum euphorbiae 174
Myzus ascalonicus 67
Myzus persicae 129
Rhopalosiphum maidis 3088 3091
Rhopalosiphum padi 3080 5994
[Homoptera: Cicadellidae]
Unknown species 5552
[Hymenoptera]
Unknown species 395

Batkoa gigantea
[Diptera: Tipulidae]
Tipula paludosa 214 215 403

Batkoa major
[Homoptera: Aphididae]
Unknown species 1427
[Homoptera: Cicadellidae]
Empoasca fabae 2936 3102 3103

Batkoa papillata(?)
[Diptera: Simuliidae]
Unknown species 7068

Beauveria sp.
[Araneida]
Unknown species 7582
[Araneida: Araneae]
Unknown species 5174 5187 6691
[Coleoptera]
Unknown species 5697 5831 7595
[Coleoptera: Buprestidae]
Agrilus planipennis 8110 8111 8112 8113 8116 8117 8119 8120 8121 8122 8123 8124 8125 8126 8127 8128 8129 8130 8132 8133 8134 8135 8136 8137 8138 8139 8140 8141 8143 8144 8145 8146 8147 8148 8149 8150 8151 8152 8153 8154 8156 8158 8159 8160 8161 8164 8166 8167 8168 8169 8170 8171 8172 8173 8174 8175 8176 8177 8178 8180 8181 8182 8185 8186 8187 8188
[Coleoptera: Chrysomelidae]
Basilepta fulvicornis 8250
Pachybrachis pallicornis 547
[Coleoptera: Coccinellidae]
Unknown species 4853 5678 5833 7591
Coccinella septempunctata 4027
[Coleoptera: Curculionidae]
Unknown species 7463
Anthonomus grandis 1835
Hypera postica 1327
Shirahoshizo insidiosus 1681
[Coleoptera: Elateridae]
Unknown species 7580
[Coleoptera: Lampyridae]
Unknown species 5186
[Coleoptera: Scarabaeidae]
Anomala cuprea 1682
Popillia japonica 4390 4391 4392
Xyloryctes jamaicensis 2412
[Coleoptera: Scolytidae]
Dendroctonus micans 9272
Tomicus pimperda 4909 4910 4911 4912 4913 4914 4915 4916 4917 4918
[Coleoptera: Tenebrionidae]
Tribolium castaneum 5622
[Hemiptera: Miridae]
Adelphocoris 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210

1211 1213 1214 1215 1216 1218 1219 1220 1221 1222 1224
[Hemiptera: Scutelleridae]
Eurygaster 5686
[Homoptera: Membracidae]
Unknown species 2164
[Hymenoptera: Apidae]
Apis mellifera 7589
[Hymenoptera: Formicidae]
Formica rufa 7597
Solenopsis invicta 3859
[Lepidoptera]
Unknown species 2998 5832 7579 7586 7587 7594 7598 9596
[Lepidoptera: Bombycidae]
Bombyx mori 1040
[Lepidoptera: Noctuidae]
Mocis 590
Spodoptera frugiperda 3289
[Lepidoptera: Pyralidae]
Chilo infuscatellus 1886
Galleria mellonella 5078 7562 7563 7564 7565 7566 7567 7960 8675
[Lepidoptera: Tortricidae]
Cydia pomonella 6533 6534 6535 6536 6537
[Orthoptera: Acrididae]
Unknown species 32 4197

Beauveria amorpha
[Coleoptera: Cerambycidae]
Psacothea hilaris 1680
[Coleoptera: Curculionidae]
Premnotrypes suturicallus 1969
[Coleoptera: Scarabaeidae]
Adoryphorus coulonii 4149
Anomala costata 1676
Popillia japonica 4990
[Homoptera: Cicadellidae]
Nephotettix bipunctata cincticeps 656
[Hymenoptera: Formicidae]
Pogonomyrmex occidentalis 7542
Solenopsis 2641
[Lepidoptera]
Unknown species 6227
[Orthoptera: ?Gryllacrididae]
Unknown species 6376 6577

Beauveria amorpha(?)
[Coleoptera: Cerambycidae]
Anoplophora glabripennis 6827

Beauveria asiatica
[Coleoptera: Scarabaeidae]
Holotrichia parallela 4384 4474

Beauveria australis
[Orthoptera: Acrididae]
Unknown species 4580 4622

Beauveria bassiana
[Acari: Ixodidae]
Unknown species 6967
Ixodes scapularis 6897
[Acari: Varroidae]
Varroa destructor 8254 8255 8256 8258
[Araneida]
Unknown species 9446
[Araneida: Araneae]
Unknown species 5172 5173 6690
[Artiodactyla: Bovidae]
Ovis aries 7770
[Coleoptera]
Unknown species 293 301 350 754 1980 3197 3198 3199 4382 5668 5979 6559 6560 6692 6693 6695 6696 6697 7164 7470 7972 9444 10347
[Coleoptera: Anthicidae]
Anthicus floralis 157
[Coleoptera: Anthribidae]
Araecerus fasciculatus 413
[Coleoptera: Bruchidae]
Caryedon serratus 1186
[Coleoptera: Buprestidae]
Unknown species 6499
Agrilus planipennis 8771 8772 8773 8774
[Coleoptera: Carabidae]
Unknown species 952 1975 3386 6059 6099 6689 7241 7270 7581
Amara familiaris 4034
Amara plebeja 4031
Bembidion lampros 4032
[Coleoptera: Cerambycidae]
Unknown species 318 319 785 2557 5072 6721 7251 7261 7266 7275 9442
Anoplophora glabripennis 6387 6390 6391 6393 7152 7153 7154 7155 7156 7157 7158 7159 7166 7167 7168 7169 7170 7171 7172 7173 7174 7175 7176 7177 7178 7179 8412 8413 8414
Aromia moschata 1559 1560 1561 1562 1563
Dectes texanus 6471
Enaphalodes rufulus 7404
Moechotypa diphysis 1678
Monochamus alternatus 1679
Monochamus scutellatus 7162 7163
Ortholeptura valida 5997
Plectrodera scalator 7160 7161 7165
Psacothea hilaris 1041
[Coleoptera: Chrysomelidae]
Unknown species 504 751 1971 7244 7247 7271 7272 8835 8836 10350
Cerotoma 951 1458 1467
Cerotoma arcuata 731 732 756 931 934 2075
Crimissa 786 788 805
Crimissa cruralis 4001
Diabrotica 721 946 947 948 949 950 956 982 2512 2938 2942 3219 3287
Diabrotica balteata 3309
Diabrotica barberi 2579
Diabrotica paranaensis 739 752 758 809 937 938
Diabrotica speciosa 928 958 1060 1453 1454 1455 1456 1459 1460 1461 1462 1463 1464 1465 1466 1469 1470 1471 1472 1473 1475 1476 1954 1961 2511 2515 2520 2625 2626 8373
Diabrotica undecimpunctata 201
Diabrotica virgifera 2330 3111
Diabrotica virgifera virgifera 9297 9298 9299 9300 9301 9302
Galerucella sp. 5465
Galerucina 2463
Leptinotarsa decemlineata 149 252 317 340 344 353 384 505 506 507 509 510 534 535 1039 1079 1081 1106 1619 1620 1621 1622 1623 1624 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1721 1722 1723 1749 1750 1775 1776 1777 1778 1779 1780 1781 1982 2030 2031 2032 2695 2987 2988 2989 2990 2991 5286 5533 5534 5535 5536 5537 5807 5813 6986 6987 6988 8998 9441
Lilioceris lilii 5195
Maecolaspis monrosi 2509
Notonata 3437 3438 3439 3441 3442 3444 3446 3447 3450 3451 3452 3455
Odontota dorsalis 5553
Paropsis charybdis 3066
Pyrrhalta luteola 1509 1510 1511 1518 1519
Pyrrhalta viburni 9449
Systena 2079
Xanthogaleruca luteola 5501
[Coleoptera: Chrysomelidae: Hispinae]
Unknown species 8494
[Coleoptera: Coccinellidae]
Unknown species 6055 6061 6062 6063 6074 6075 6092 6095 6111 6112
Coccinella 2033 2034
Coccinella septempunctata 2580 3534 4018
Coleomegilla maculata 1956
Cycloneda sanguinea 2010 8372 8462 8463
Hippodamia convergens 4973 4974 4975
[Coleoptera: Cucujidae: Silvaninae]
Ahasverus advena 5857
[Coleoptera: Curculionidae]
Unknown species 930 1061 2040 3667 4052 6216 6217 7202 7466 7471 7769 7978 8520 8521 8522 8523 8524 8525 8526 8530 8705
Anthonomus grandis 1966 2559 2638 2639 2945 2946 3097 7795
Anthonomus musculus 3037
Apion 4023
Aracanthus 753
Ceutorhynchus litura 3403
Chalcodermus 941 942 943 953

Chalcodermus aeneus 336 337 733 734 735 736 738
Conotrachelus nenuphar 1016 8260 8261 8262 8263
Cosmopolites 1833
Cosmopolites sordidus 1483 4798 4799
Curculio caryae 2676
Cyrtepistomus castaneus 2270
Diaprepes abbreviata 412 416 433
Geraeus senilis 3310 3311
Heilipodus erythropus 8461
Hypera postica 1389 1398 1399 1515 4038 4049
Listronotus oregonensis 2983 2984 2985 2986
Metamasius 842
Metamasius callizona 5986
Metamasius hemipterus 2642
Oryzophagus oryzae 3098
Otiorhynchus ligustici 6884 6885
Otiorhynchus sulcatus 813 814 815 1073 1074 1075 3065 6552 7763 8078
Phlyctinus callosus 8756 8757
Premnotryes latithorax 5983 5984
Premnotrypes vorax 2248
Rhynchites aequatus 8037
Rhynchites baccus 8668
Rhynchophorus ferrugineus 6903
Sitona 1647 3063 8077
Sitona discoideus 816 1153 1154 1155 1163 1164 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1183 1185 1188 1189 1190 1191 1309 1311 1312 1313 1811 1815 1816 1817 1818 1819 1820 1821
Sitona humeralis 1491
Sitona lineatus 1156 1157 1158 1159 1160 1161 1162 1165 1167 1168 1169 1170 1182 1192 1193 1194 1306 4013 4015 4016 4019 4021 4041
Sitophilus 7764 7773 7774
Sternechus subsignatus 1450
[Coleoptera: Curculionidae: Apioninae]
Cylas formicarius elegantulus 5981 5982
[Coleoptera: Elateridae]
Unknown species 150 784 804 5670
[Coleoptera: Lagriidae]
Lagria vilosa 2961
[Coleoptera: Lampyridae]
Cratomorphus diaphanus 8464
[Coleoptera: Languriidae]
Unknown species 3457
[Coleoptera: Nitidulidae]
Unknown species 325
[Coleoptera: Pythidae]
Pytho 1854
[Coleoptera: Rhizophagidae]
Rhizophagus grandis 1848
[Coleoptera: Scarabaeidae]
Unknown species 5669 6058 6686 7264
Adoryphorus coulonii 4135 4136 4274 4721
Ancognatha scarabaeoides 2249 2250
Anomala cuprea 1683
Anoplognathus 8763
Aphodius tasmaniae 3070 8079
Costelytra zealandica 3055
Pachnoda interrupta 6669 6676 6681
Phyllophaga 5740 5741 5742 5743 5744 5745
Popillia japonica 3716 3717 5148 5150
Rhopaea magnicornis 4130 7813 8853 8854
Sericesthis nigrolineata 7853
[Coleoptera: Scolytidae]
Unknown species 1566 3040
Dendroctonus ponderosae 1849 1853
Dryocoetes confusus 1852 9184
Hypothenemus hampei 1480 2685 2686 2687 2688 2689 2690 2691 2692 2693 3440 3443 3445 3448 3453 3818 3819 5436 5437 5438 5439 5440 5441 5442 5443 5444 5445 5446 5447 5448 5449 5450 5451 5452 5453 5454 5455 5456 5457 5458 5459 5460 5477 5478 5479 5480 5481 5482 5483 5484 5485 5486 5487 5488 5489 5490 6526 6527 6528 6529 6530 6531 6532 7758 10471
Ips stenographus 6900
Ips typographus 7525 7526
Tomicus minor 5070 5071
[Coleoptera: Staphylinidae]
Unknown species 3112 4055
Anotylus rugosus 4051 4056
Anotylus sp. 4046
Gyrohypnus angustatus 4054
Tachyporus sp. 4028
[Coleoptera: Tenebrionidae]
Unknown species 757 783 787 6057 6064 6077 6078 6096 6113 6478 6483
Alphitobius diaperinus 5836 5838 5839 5840 5843 7941
Pterohelaeus darlingensis 8065
Tenebrio molitor 5623 8038
[Coleoptera: Adephaga]
Unknown species 5672
[Collembola: Sminthuridae]
Sminthurus viridis 5853
[Crocodylia: Alligatoridae]
Alligator mississippiensis 2455
[Dermaptera]
Unknown species 796 5495 5496 5991 7252
[Dermaptera: Forficulidae]
Doru lineare 8374 8465
Forficula africana 5650 5651 5652
Forficula auricularia 3018
[Dictyoptera: Mantidae]
Unknown species 7236 7238
[Diptera]
Unknown species 1962 2454 7269 8707 8712 10141 10149
[Diptera: Anthomyiidae]
Delia antiqua 1864 1865 1866
Delia radicum 1151 4012 6553 6555 6563 6564 6568
Pegoplata aestiva 8031
[Diptera: Calliphoridae]
Calliphora 1630
[Diptera: Ephydridae]
Unknown species 6567
Scatella tenuicosta 8245 8246 8247
[Diptera: Muscidae]
Unknown species 1955 10142
Haematobia irritans 5862 5864 5865 5866 5867
Musca autumnalis 1514
Musca domestica 2953 5339 5340 5341 5342 5343 5344 5345 5347 5861 5863 7049 7940
[Diptera: Psychodidae]
Phlebotomus papatasi 2972
[Diptera: Sciaridae]
Unknown species 6566
[Diptera: Tachinidae]
Unknown species 1150
[Diptera: Tipulidae]
Tipula paludosa 6565
[Hemiptera]
Unknown species 5978
[Hemiptera: Anthocoridae]
Anthocoris nemorum 8028
[Hemiptera: Coreidae]
Leptoglossus fulvicornis 3086
[Hemiptera: Lygaeidae]
Unknown species 8706
Blissus leucopterus 792 2430
Nysius vinitor 300
Scolopostethus affinis 8027
[Hemiptera: Mesoveliidae]
Mesovelia mulsanti 320
[Hemiptera: Miridae]
Unknown species 3449 3454 3456
Adelphocoris 1516 1517 1523 1524 1525 1526 1527 1528 1529 1531 1533 1534 1535 1536 1537 1538 1539 1540 1635 1636 1637 1638 1640 1643 1650 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801
Leptopterna dolabrata 8036
Liocoris tripustulatus 8025
Lygus 886 1394 1395 1396 1397 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1520 1521 1648 1649 1802 1803 1804 1805 1806 1807 1808 1809 1810 1812 1813 1814 1822 2318 2319 2320 2321 2322 2458 2462
Lygus ?lineolaris 1317 1318 1319 1320 1321 1322 1323 1324 1325
Lygus hesperus 6660 6661
Lygus lineolaris 3769 5808 8317 8889
Lygus pratensis 2461
Notostira elongata 8029 8030
Stenodema laevigatum 8026
[Hemiptera: Nabidae]
Nabis 1988

[Hemiptera: Pentatomidae]
Unknown species 737 944 1973 1974 1984 6722
Acanthosoma labiduroides 7240 7246 7273
Aelia 6093
Dolycorus 6404 6426
Euschistus heros 1478
Nezara viridula 1054 1474 2011 2457 2516 4092 4093
Oebalus poecilus 2191
Podisus 1457 2519
Tibraca limbativentres 933 4091
[Hemiptera: Reduviidae]
Triatoma infestans 7147
[Hemiptera: Rhopalidae]
Leptocoris 560 566
Leptocoris oratorius 1269 1270
[Hemiptera: Scutelleridae]
Eurygaster 5665 5674 5724 5725 5753 5762 6008 6009 6011 6013 6014 6015 6016 6019 6022 6039 6040 6041 6042 6043 6056 6060 6065 6066 6067 6069 6070 6072 6073 6076 6079 6083 6086 6087 6088 6089 6090 6091 6115 6149 8932 10348 10349 10351 10352 10353 10354 10355 10356 10357 10358 10359 10360 10361 10362
[Hemiptera: Tingidae]
Corythucha ciliata 812
Leptopharsa heveae 7984 8637 8638
[Heteroptera]
Unknown species 4057
[Heteroptera: Miridae]
Unknown species 4035
Lygus sp. 4053
[Homoptera]
Unknown species 7583
[Homoptera: Adelgidae]
Adelges tsugae 5170 5171 5767 5768 5769 5770 5796 6027
[Homoptera: Aleyrodidae]
Bemisia tabaci 4981 4982 4983 4984 5274 5275 5276 5277 5278 5279 5280 5281 5282 5283 5284 5285 5287 5288 5289 5290 5291 5292 5293 5294 5295 5296
Trialeurodes vaporariorum 6920 6921 6922 6923 6924 9451
[Homoptera: Aphididae]
Unknown species 3120 3121 4523 4524
Aphis gossypii 5493 5494
Diuraphis noxia 2861 2864 2879 2882 3153 3154 3155 3156 3157 3158 3166 3167 3168 3169 3215 3867 3890 3891 3892 3905 3906 3907 3908 4099 4100 4101 4106 4107 4108 4109 4110 4111 4112 4113 4114 4115 4116 4117 4118 4119 4120 4121 4462 4463 4464 4691 4692 4693 4694 4695 4696 4697 4976 4977 4978 4979 5705 6968 6969 6978 6979 6980
Myzus persicae 3385
Rhopalosiphum padi 6970
Schizaphis graminum 2336 2860 2880 2881 2883
[Homoptera: Cercopidae]
Deois flavopicta 806 3019
Zulia carbonaria 6459
Zulia entreriana 477
[Homoptera: Cicadellidae]
Unknown species 945 7590 8710 8711 9443
Balacha melanocephala 7464 7465 7467 7469 8370 8459 8460 8528 8529
Molopopterus theae 6982
Nephotettix bipunctata cincticeps 708 1553 1554 1555 1556
Nephotettix cincticeps 1098
Pawiloma victima 8371
[Homoptera: Cicadidae]
Unknown species 2544 7256 7258
[Homoptera: Cixiidae]
Oliarus dimidiatus 7776
[Homoptera: Coccidae]
Unknown species 6723
[Homoptera: Delphacidae]
Nilaparvata lugens 654 679 709 714 717 719 2427 7592
[Homoptera: Membracidae]
Unknown species 3312 3999
Kronides 7468
Spissistilus festinus 8318
[Homoptera: Pseudococcidae]
Rhizoecus 2236
[Hymenoptera]
Unknown species 7239 7254 7257 7259 7265
[Hymenoptera: ?Megachilidae]
Unknown species 957
[Hymenoptera: Superfamily Apoidea]
Unknown species 1468
[Hymenoptera: Apidae]
Apis mellifera 5989 7596 9447
Bombus 7201
[Hymenoptera: Apoidea]
Unknown species 9595
[Hymenoptera: Cephidae]
Cephus 6793 6794 6795
[Hymenoptera: Diprionidae]
Diprion pini 338
[Hymenoptera: Eurytomidae]
Bephratelloides cubensis 2869
[Hymenoptera: Formicidae]
Unknown species 1960 2487 5069 7260
Atta 1831 3285
Atta mexicana 2484 2485 2486
Myrmica rubra 7533 7534
Pogonomyrmex occidentalis 7540 7541
Solenopsis 2722 2723
Solenopsis invicta 2401 2402 2403 2404 5956 5957 5960 5961 5962 5967 5973 5974
Solenopsis quinquecuspis 5966 5968
Solenopsis saevissima 5958 5963 5965 5969
Solenopsis xyloni 5970 5971 5972
[Hymenoptera: Formicidae: Myrmicinae]
Unknown species 1976 1977 1978 1979
[Hymenoptera: Ichneumonidae]
Unknown species 156 9448
[Hymenoptera: Megachilidae]
Unknown species 7377 7378
[Hymenoptera: Pamphiliidae]
Unknown species 7519 7520 7521
Pamphilius betulae 152 154
[Hymenoptera: Pergidae]
Lophyrotoma zonalis 8753
[Hymenoptera: subord. Symphyta]
Unknown species 5985
[Hymenoptera: Vespidae]
Unknown species 730 1953 2943 2944
Polistes 6513
[Isoptera: Rhinotermitidae]
Coptotermes formosanus 6906 6907 6908
Reticulitermes flavipes 3041
[Lepidoptera]
Unknown species 2633 2637 2857 6109 6557 7274 7585 7593 8709 9445
[Lepidoptera: Arctiidae]
Hyphantria cunea 1564 1565
[Lepidoptera: Bombycidae]
Bombyx mori 302 303 304 305 718 1007 2737 5704
[Lepidoptera: Brassolidae]
Brassolis sophorea 2619 6514
[Lepidoptera: Cossidae]
Cossula cossus 1103 1104 1558
Zeuzera pyrina 1105
[Lepidoptera: Danaidae]
Danaus plexippus 7093 8891
[Lepidoptera: Eupterotidae]
Unknown species 6984
[Lepidoptera: Geometridae]
Isturgia exerrariae 6972 6973
[Lepidoptera: Hepialidae]
Oncopera 4273
Oncopera alboguttata 4589 4607 8493
Oncopera intricata 4258 4672
[Lepidoptera: Hyblaeidae]
Hyblaea puer 2597
[Lepidoptera: Incurvariidae]
Paraclemensia acerifoliella 5492
[Lepidoptera: Lasiocampidae]
Dendrolimus spectabilis 1677
Malacosoma americanum 1
[Lepidoptera: Lymantriidae]
Lymantria dispar 155 299 2054 2267 2570 2571 2572 2573 2831 3404 3527 3528 3530 6205
Lymantria dissoluta 6233
[Lepidoptera: Lyonetiidae]
Leucoptera coffeella 6801 6802 6803 6804 6805 6806 6807 6808 6809
Leucoptera scitella 1115 1117
[Lepidoptera: Noctuidae]
Unknown species 1627 1628 1629
Autographa gamma 2253 2254
Helicoverpa 8066
Helicoverpa armigera 1149 1166
Helicoverpa virescens 1314 1315 1316 1788
Panolis flammea 6100 6101 6177 6178
Sesamia calamistis 5649 5654

Sesamia cretica 1118
Simyra henrici 5988
Spodoptera frugiperda 3288
Spodoptera littoralis 1512 1513 3286
Spodoptera litura 6646 6647 6648 6650
[Lepidoptera: Noctuidae: Plusiinae]
Unknown species 3937
[Lepidoptera: Olethreutidae]
Carpocapsa pomonella 503
[Lepidoptera: Phycitinae]
Emmalocera depressella 2417
[Lepidoptera: Plutellidae]
Plutella xylostella 2727 2728 2729 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 4540 4543 6150 6151 6152 6153
[Lepidoptera: Pyralidae]
Acigona sp. 5647 5648
Chilo plejadellus 326
Cnaphalocrocis medinalis 2041
Coniesta sp. 5646
Diatraea saccharalis 1484 1832 1834 2629 3020 3858 5500 5502
Dioryctria sylvestrella 1001
Eldana saccharina 5645 5653 5655
Galleria mellonella 1113 1114 5370 5510 5557 6147 6148 6556 6894 6904 6905 6931 6932 6933 6934 6935 6936 6937 6938 6939 6940 6941 6943 6949 6950 6951 6952 6953 7060 7356 7357 7358 7359 7362 7364 7365 7552 7553 7554 7955 7956 7957 7958 7959 7963 7964 7965 7966 7968 8032 8033 8035 8039 8040 8339 8340 8343 8349 8354 8355 8431 8444 8661 8663 8664 8666 8667 8670 8672 8673 8674
Gymnancyla canella 6796
Ostrinia nubilalis 501 502 533 652 1038 1121 2976
Terastia meticulosalis 1836
[Lepidoptera: Saturniidae]
Unknown species 843
Opodiphthera eucalypti 8843
Schirius 2962
[Lepidoptera: Sesiidae]
Monopetalotaxis doleriformis 6971 6974 6975 6976 6977 6981
[Lepidoptera: Stenomatinae]
Stenoma decora 1479
[Lepidoptera: Thaumetopoeidae]
Thaumetopoea pityocampa 8356
[Lepidoptera: Tortricidae]
Unknown species 5169
Choristoneura 1850
Cydia pomonella 151 1122 3972 3973 3974 3975 3977 3978 3979 5064 5066 5067 5229 5230 5231 5233 5234 5235 5886 5887 5888 6181 6182 6184 6185 6186 6187 6189 6191 6194 6195 6196 6201 6208 6209 7969
Hedya nubiferana 6199
Lobesia botrana 1107 1110
Rhyacionia frustrana 5573
[Lepidoptera: Yponomeutidae]
Yponomeutidae 3965 3966 3967 3968 3969 3970
[Neuroptera: Chrysopidae]
Chrysopa 153
[Odonata: suborder Anisoptera]
Unknown species 4688
[Orthoptera]
Unknown species 3622 6231 8704 9598
[Orthoptera: Acrididae]
Unknown species 356 357 1053 1326 1959 5737 5738 6230 6232 7030 7235 7250 8578 8579 8695
Austracris guttulosa 8751 8752
Locusta migratoria 8846
Melanoplus 3620 3866 3897 5273
Melanoplus bivittatus 8213
Oxyops vitiosa 5987
Phaulacridium vittatum 4150
Rhammatocerus schistocercoides 7983
Schistocerca gregaria 5633 5634 5635 5636 5637 5638 5639 5640 5641 5642 5643
[Orthoptera: Catantopidae]
Calliptamus italicus 8694 8697
[Orthoptera: Gryllotalpidae]
Scapteriscus vicinus 5977
[Orthoptera: Tettigoniidae]
Anabrus simplex 7379 7380
[Orthoptera: Tettigonioidea]
Unknown species 6234
[Perissodactyla: Equidae]
Equus ferus caballus 7771 7772
[Primates: Hominidae]
Homo sapiens 8601 8602
[Thysanoptera: Phlaeothripidae]
Haplothrips tritici 4200
[Thysanoptera: Thripidae]
Unknown species 9927
Frankliniella occidentalis 3995 3996 9587 9588
Taeniothrips inconsequens 10138 10139 10140 10143 10144 10145 10147 10148

Beauveria bassiana(?)
[Chelonia: Emydidae]
Trachemys scripta 5990
[Coleoptera: Chrysomelidae]
Unknown species 6890 6891
[Coleoptera: Scolytidae]
Dendroctonus micans 9271
[Hemiptera: Scutelleridae]
Eurygaster 5684
[Homoptera: Adelgidae]
Adelges tsugae 5815 5816 5817 5818
[Homoptera: Aphididae]
Diuraphis noxia 6608
[Hymenoptera: Formicidae]
Solenopsis invicta 5959
[Lepidoptera: Pyralidae]
Eldana saccharina 5644
Galleria mellonella 6892

Beauveria brongniartii
[Coleoptera]
Unknown species 2660
[Coleoptera: Carabidae]
Unknown species 7268
[Coleoptera: Cerambycidae]
Anoplophora malasiaca 6235 6412
Niphonoclea 1431
[Coleoptera: Curculionidae]
Unknown species 6213 6214 6215
Cyrtepistomus castaneus 2271
[Coleoptera: Elateridae]
Unknown species 9452
[Coleoptera: Scarabaeidae]
Unknown species 4380 4381
Anomala costata 985
Costelytra zealandica 3054 7761
Holotrichia parallela 4385 4386 4388 4465 4466 4467 4468 4469 4470 4471 4472 4473 4475 4476 4477 4478
Melolontha 5355 5356 5357 5358 5359 5360 5361 5362 5363 5364
Melolontha melolontha 617 979 1067 1068 1069 1070 1071 1072 1076 1077 7528
Popillia japonica 4389 4458 4992 4993 4994 4995
[Coleoptera: Scolytidae]
Ips typographus 4024
[Hemiptera: Scutelleridae]
Eurygaster 6023
[Homoptera: Cicadellidae]
Nephotettix bipunctata cincticeps 678
[Homoptera: Cicadidae]
Magicicada septendecim 7376
[Hymenoptera: Formicidae]
Myrmica rubra 7058
[Lepidoptera: Castniidae]
Castnia licus 1829
[Lepidoptera: Noctuidae]
Unknown species 9599
[Lepidoptera: Pyralidae]
Diatraea saccharalis 1830
Galleria mellonella 7555 7556 7557 7558 7559 7560 7561 8034

Beauveria caledonica
[Coleoptera]
Unknown species 2251
[Coleoptera: Scarabaeidae]
Amphimallon solstitialis 8024
[Coleoptera: Scolytidae]
Unknown species 1567
[Orthoptera: Gryllacrididae]
Unknown species 7117

Beauveria kipukae
[Homoptera: Delphacidae]
Unknown species 7032

Beauveria malawiensis
[Coleoptera: Cerambycidae]
Phoracantha semipunctata 7760

Beauveria pseudobassiana
[Acari: Ixodidae]
Ixodes scapularis 8045 8046
[Coleoptera: Scolytidae]
Ips 1855
Tomicus minor 4933
[Coleoptera: Scolytidae (Tribe Ipini)]
Unknown species 6229
[Hymenoptera]
Unknown species 7242
[Hymenoptera: Vespidae]
Vespula vulgaris 2997
[Lepidoptera: Lymantriidae]
Lymantria dispar 3405 3529
[Lepidoptera: Tortricidae]
Cydia pomonella 3220
[Thysanoptera: Thripidae]
Thrips calcaratus 3216

Beauveria sungii
[Coleoptera: Chrysomelidae]
Unknown species 7279 7280
[Coleoptera: Scarabaeidae]
Unknown species 5689
Lachnosterna morosa 1685
[Hymenoptera]
Unknown species 7281

Beauveria varroae
[Acari: Varroidae]
Varroa destructor 8257 8259
[Coleoptera: Curculionidae]
Larinus 2694

Beniowskia sp.
[Lepidoptera: Plutellidae]
Plutella xylostella 2751

Calcarisporium arbuscula
[Agaricales: Tricholomataceae]
Armillaria mellea 6155

Calcarisporium ovalisporum
[Homoptera: Delphacidae]
Nilaparvata lugens 1907

Candida sp.
[Coleoptera: Scolytidae]
Hypothenemus hampei 5729
[Dictyoptera: Blattellidae]
Blattella germanica 1877 1924 1925 1926
[Dictyoptera: Blattidae]
Periplaneta americana 1857

Candida cf. pseudoglaebosa
[Diptera: Culicidae]
Wyeomyia smithii 7146

Capniomyces stellatus
[Plecoptera: Capniidae]
Allocapnia granulata 9258

Catenaria anguillulae
[Dorylaimida: Longidoridae]
Xiphinema 2015

Cladosporium sp.
[Acari: Tetranychidae]
Tetranychus urticae 6442
[Homoptera: Aleyrodidae]
Unknown species 3706
[Homoptera: Aphididae]
Brevicoryne brassicae 4795
[Homoptera: Cicadellidae]
Unknown species 7039
[Homoptera: Coccidae]
Unknown species 7035
[Lepidoptera: Lycaenidae: Polyommatinae]
Orachrysops ariadne 6226

Cladosporium cladosporioides
[Acari: Tetranychidae]
Eotetranychus 3085
Tetranychus urticae 9616
[Homoptera: Aphididae]
Pemphigus betae 3463
[Homoptera: Pseudococcidae]
Phenacoccus solenopsis 9614
[Thysanoptera: Thripidae]
Thrips palmi 3375

Cladosporium cladosporioides(?)
[Homoptera: Aphididae]
Unknown species 7033

Cladosporium herbarum
[Homoptera: Aphididae]
Aphis gossypii 4361

Cladosporium sphaerospermum
[Coleoptera: Curculionidae]
Diaprepes abbreviata 6516

Clonostachys rosea
[Araneida]
Unknown species 9492
[Coleoptera: Scarabaeidae]
Unknown species 9491
[Homoptera: Cicadellidae]
Oncometopia tucumana 7200
Sonesimia grossa 7472
[Lepidoptera]
Unknown species 9493

Coelomycidium simulii
[Diptera: Simuliidae]
Simulium venustum 218

Colletotrichum sp.
[Homoptera: Coccidae]
Neolecanium cornuparvum 10308

Colletotrichum fioriniae
[Homoptera: Diaspididae]
Fiorinia externa 10219 10220 10221 10222 10223

Colletotrichum gloeosporioides
[Homoptera: Ortheziidae]
Orthezia praelonga 4360

Conidiobolus sp.
[Coleoptera: Curculionidae]
Hypera variabilis 80 81
[Diptera: Anthomyiidae]
Unknown species 2494
Delia radicum 2672
[Diptera: Ptychopteridae]
Ptychoptera contaminata 2498
[Diptera: Tipulidae]
Tipula paludosa 6424
[Homoptera: Aphididae]
Unknown species 999 1426
Aphis fabae 3383
Brevicoryne brassicae 2130
Eriosoma lanigerum 6659
Myzus persicae 3384
Schizaphis graminum 1967
[Homoptera: Cercopidae]
Unknown species 391
Deois 2147
Deois flavopicta 2148
[Homoptera: Cicadellidae]
Nephotettix bipunctata cincticeps 605 606
[Homoptera: Cixiidae]
Oliarus dimidiatus 7786
[Homoptera: Delphacidae]
Nilaparvata lugens 211 517 522 564 595 596
Sogatella furcifera 604
[Homoptera: Membracidae]
Gargara 5404 5405 5406
[Hymenoptera]
Unknown species 2193
[Hymenoptera: Formicidae]
Solenopsis invicta 2819
[Isopoda: Oniscoidea]
Porcellio 1672
[Lepidoptera: Plutellidae]
Plutella xylostella 2771 2772 2815 2816 3208
[Lepidoptera: Tortricidae]
Choristoneura fumiferana 92 93 94 147 148
[Orthoptera: Tettigoniidae]
Unknown species 1477
[Primates: Hominidae]
Homo sapiens 2928

Conidiobolus coronatus
[Agaricales]
Volvariella volvacea 1147
[Araneida]
Unknown species 567 7010
[Coleoptera: Curculionidae]
Ceutorhynchus napi 1572 1573 1574 1575
[Collembola]
Unknown species 8023
[Dacrymycetales]
Unknown species 3087
[Diptera: Psychodidae]
Lutzomyia 3379
Lutzomyia sordelli 3414 3415
[Diptera: Sciaridae]
Lycoriella ingenua 9940 9941 9942

[Homoptera: Aphididae]
Acyrthosiphon pisum 1738
Metopolophium dirhodum 2812 2813 2814
[Homoptera: Cicadellidae]
Unknown species 419 421 422
Empoasca fabae 3099 3109
Nephotettix bipunctata cincticeps 520 597
[Homoptera: Delphacidae]
Delphacodes haywardii 7203
Nilaparvata lugens 349 405 406 418 511 512 514 523 524 525 528 563 565 655 997 1876
[Hymenoptera: Formicidae]
Unknown species 7011
[Isoptera: Termitidae]
Nasutitermes corniger 8455
[Lepidoptera: Noctuidae]
Mocis latipes 1884
[Lepidoptera: Plutellidae]
Plutella xylostella 2730
[Lepidoptera: Tortricidae]
Epinotia aporema 4797
[Opiliones:Palpatores]
Unknown species 7012 7013
[Perissodactyla: Equidae]
Equus ferus caballus 2715
[Primates: Hominidae]
Homo sapiens 206
[Thysanoptera: Thripidae]
Unknown species 6512 9914
Frankliniella occidentalis 3222

Conidiobolus firmipilleus
[Lepidoptera: Plutellidae]
Plutella xylostella 2731

Conidiobolus lachnodes
[Homoptera: Delphacidae]
Nilaparvata lugens 700

Conidiobolus lamprauges
[Perissodactyla: Equidae]
Equus ferus caballus 2338

Conidiobolus nr. coronatus
[Homoptera: Delphacidae]
Nilaparvata lugens 598 599 600 1742 1743
Sogatella furcifera 602

Conidiobolus obscurus
[Homoptera: ?Aphididae]
Unknown species 243
[Homoptera: Aphididae]
Unknown species 434
Acyrthosiphon kondoi 354 824
Acyrthosiphon pisum 832 834 1741 3132 3133 3134 3135 3137 3138 3139 3141
Aphis 124
Aphis armata 133 355
Macrosiphum euphorbiae 182
Metopolophium dirhodum 97 3092
Rhopalosiphum maidis 3089 3090
Rhopalosiphum padi 1131 5992
Therioaphis maculata 74
Uroleucon 121 122

Conidiobolus osmodes
[Coleoptera: Curculionidae]
Hypera variabilis 79

Conidiobolus osmodes(?)
[Homoptera: Aphididae]
Rhopalosiphum padi 5993

Conidiobolus pseudapiculatus
[Diptera: Psilidae]
Psila rosae 2493 2496 2497 2502

Conidiobolus thromboides
[Diptera]
Unknown species 86 87
[Diptera: Culicidae]
Culex pipiens pipiens 70
[Diptera: Heliomyzidae]
Unknown species 5
[Homoptera: Aphididae]
Unknown species 58 59 248 249 250 1006
Acyrthosiphon pisum 100 6662
Aphis fabae 42 242 244 245 246 247 630 631 632 633 634 635 1735
Aphis glycines 7209 7210 7211
Aphis gossypii 83 194
Cavariella theobaldi 101 102 363 1733 1734
Diuraphis noxia 4968
Diuraphis tritici 2914
Macrosiphum euphorbiae 40
Metopolophium dirhodum 2828 2829 2849 2850
Myzus persicae 2 39 41 57 63 99 649
Rhopalosiphum insertum 73
Schizaphis graminum 2955
Therioaphis maculata 15 29 115 208
Uroleucon 120
[Homoptera: Cicadellidae]
Empoasca fabae 3129
[Orthoptera: Acrididae]
Unknown species 22

Cordyceps sp.
[Coleoptera: Curculionidae]
Sitophilus oryzae 4852
[Coleoptera: Scarabaeidae]
Unknown species 7848
Popillia japonica 3718
[Hemiptera: Pentatomidae]
Unknown species 4846
[Homoptera: Cercopidae]
Unknown species 6349
[Homoptera: Cicadellidae]
Unknown species 6281
[Hymenoptera: Apidae]
Unknown species 4851
[Lepidoptera]
Unknown species 7808 7811 9486
[Orthoptera: Acrididae]
Unknown species 4854

Cordyceps bassiana
[Lepidoptera: Cossidae]
Unknown species 7047

Cordyceps brongniartii
[Coleoptera: Scarabaeidae]
Anomala cuprea 7516 7517

Cordyceps cardinalis
[Lepidoptera: Tineidae: Archolophinae]
Unknown species 7192 7193

Cordyceps isarioides
[Lepidoptera]
Unknown species 5688

Cordyceps militaris
[Lepidoptera]
Unknown species 4081 4082 4083 4084 4085 4086 4087 4088 4089 4838 4839 4840 4841 4842 4845 5002 5003 5004 5005 5006 5007 5008 5009 5010 5011 5012 5013 5014 5015 5016 5017 5018 5019 5020 5021 5022 5023 5024 5025 5026 5027 5028 5029 5030 5031 5032 5033 5034 5035 5036 5037 5038 5039 5040 5041 5042 5043 5044 5045 5046 5047 5048 5049 5050 5051 5052 5053 5054 5055 5056 5057 5058 5059 5060 5061 5062 6248 7809 7810 8012 9484
[Lepidoptera: Geometridae]
Unknown species 2416

Cordyceps pruinosa
[Lepidoptera]
Unknown species 7221

Cordyceps scarabaeicola
[Coleoptera: Chrysomelidae]
Unknown species 7277 7278

Crypticola clavulifera
[Diptera: Ceratopogonidae]
Forcipomyia marksae 1940

Culicinomyces bisporalis
[Diptera: Culicidae]
Aedes kochi 1948 1949

Culicinomyces clavisporus
[Diptera: Ceratopogonidae]
Dasyhelea 2478
Forcipomyia marksae 2480 2481
[Diptera: Culicidae]
Unknown species 706 2622
Aedes rupestris 2471 2472 2473 2474 2475 2476 2477
Anopheles amictus hilli 644 645
Anopheles quadrimaculatus 372 582 583 584 585
Culiseta inconspicua 2479
Culiseta inornata 964 1260 2482

Curvularia sp.
[Homoptera: Cercopidae]
Zulia carbonaria 6367

Cylindrocarpon sp.
[Hemiptera: Pentatomidae]
Aelia 5758
[Lepidoptera: Pyralidae]
Diatraea saccharalis 8043 8044

Dactylella sp.
[Homoptera: Cercopidae]
Aeneolamia varia 6372

Doratomyces(?) sp.
[Homoptera: Adelgidae]
Adelges tsugae 9367

Drechslerella dactyloides
[Tylenchida: Heteroderidae]
Heterodera schachtii 2934
Meloidogyne hapla 4955

Elaphocordyceps capitata
[Eurotiales: Elaphomycetaceae]
Elaphomyces 8009

Elaphocordyceps ophioglossoides
[Eurotiales: Elaphomycetaceae]
Elaphomyces 4826 4827 4828 4829 4830 4831 4832 4833 4834 4835 4836 4837 8013 9485

Engyodontium album
[Araneida]
Unknown species 7712 9454
[Araneida: ?Pholcidae]
Unknown species 6002

Engyodontium aranearum
[Araneida: Pholcidae]
Pholcus phalangoides 2929 2935

Engyodontium rectidentatum
[Coleoptera: Scarabaeidae]
Unknown species 7805

Engyodontium(?) sp.
[Araneida]
Unknown species 9475
[Homoptera: Psyllidae]
Unknown species 9476

Entomophaga sp.
[Homoptera: Cicadellidae]
Empoasca kraemeri 1230
Nephotettix bipunctata cincticeps 1126
[Homoptera: Delphacidae]
Nilaparvata lugens 1881
[Lepidoptera]
Unknown species 393

Entomophaga asiatica
[Orthoptera: Acrididae]
Unknown species 1393
Parapodisma 1659

Entomophaga aulicae
[Lepidoptera]
Unknown species 1140 1656
[Lepidoptera: Arctiidae]
Spilosoma niveum 2372 2373 2374
[Lepidoptera: Geometridae]
Enypia griseata 2000
Lambdina fiscellaria fiscellaria 1991 2900
Lambdina fiscellaria lugubrosa 1990
Rheumaptera hastata 2899
[Lepidoptera: Lasiocampidae]
Dendrolimus spectabilis 1655
Malacosoma disstria 3602
[Lepidoptera: Lymantriidae]
Euproctis chrysorrhoea 7140 7141 7142 7143 7144 7145
Orgyia vetusta 4004 4005 4006 4007 4008
[Lepidoptera: Noctuidae]
Unknown species 3016
?Heliothis 251
Aedia leucomelas 198 998
Autographa gamma 2363 2365
Mamestra brassicae 1657 1751 2362 2367 2368 2369
Pseudaletia 1999
[Lepidoptera: Notodontidae]
Ellida caniplaga 2903
Heterocampa 2902
Heterocampa biundata 2905
Heterocampa guttivitta 2843 2904 3039 3212
[Lepidoptera: Pieridae]
Colias erate poliographus 2366
[Lepidoptera: Saturniidae]
Dryocampa rubicunda 2897
[Lepidoptera: Tortricidae]
Choristoneura fumiferana 51 164 165 166 167 168 172 1992 1993 1994 1995 1997 1998 2896 2898 2901

Entomophaga australiensis
[Homoptera: Cicadellidae]
Unknown species 743
Cicadella 328
Empoasca kraemeri 791
[Homoptera: Cicadidae]
Cicadetta puer 331 365
[Homoptera: Delphacidae]
Nilaparvata lugens 581

Entomophaga calopteni
[Orthoptera: Acrididae]
Melanoplus bivittatus 390 408 497 498
Melanoplus cuneatus 623 626 646
Melanoplus differentialis 2522
Melanoplus flavidus 383
Melanoplus packardii 625

Entomophaga conglomerata
[Diptera: Chironomidae]
Unknown species 2273

Entomophaga macleodii
[Orthoptera: Acrididae]
Camnula pellucida 496 618 619 620 621 624 628 629 765 767 768 769 773 774 777 778 779 4948 4949 4950 4951 4952 4953
Dissosteira carolina 375 376 382 499

Entomophaga maimaiga
[Lepidoptera: Lasiocampidae]
Malacosoma americanum 6170 6173 6174
Malacosoma disstria 4545
[Lepidoptera: Lymantriidae]
Lymantria dispar 1390 1391 1392 1400 1658 2370 2371 2775 2779 2780 3052 3053 3828 3829 3830 3831 3832 3833 3834 3835 3913 4504 4505 4506 4507 4508 4509 4510 4549 4550 4551 4552 4553 4554 4555 5377 5378 5379 5380 5381 5382 5383 5384 5385 5386 5387 5388 5389 5390 5391 5392 5393 5394 5395 5396 5397 5398 5399 5400 5401 5564 5568 5570 6004 6005 6168 6169 6171 6172 6212 6218 6224 6253 6254 6255 6256 6257 6258 6264 6265 6266 6267 6268 6269 6270 6271 6272 6523 6524 6625 6626 6627 6628 6629 6630 6652 6653 6654 6655 6656 6657 6663 6664 6665 6666 6667 6668 6724 6725 6726 6727 6728 6729 7101 7102 7103 7104 7105 7106 7107 7108 7109 7110 7111 7112 7113 7114 7115 7116 7120 7121 7122 7123 7124 7125 7126 7127 7131 7132 7133 7134 7135 7136 7137 7138 7139 7183 7184 7185 7186 7187 7188 7189 7190 7352 7353

Entomophaga praxibuli
[Homoptera: Cicadellidae]
Empoasca vitis 3058
[Orthoptera: Acrididae]
Praxibulus 840

Entomophthora chromaphidis
[Homoptera: Aphididae]
Acyrthosiphon kondoi 1860 1862 1863

Entomophthora culicis
[Diptera: Chironomidae]
Unknown species 5811
[Diptera: Nematocera]
Unknown species 387

Entomophthora muscae
[Diptera]
Unknown species 392 6701 7371
[Diptera: Anthomyiidae]
Unknown species 2087 2088 2678
Botanophila fugax 6712
Delia 2089 2263 2264 2265 2266 2317
Delia antiqua 3074
Delia platura 707
Delia radicum 2665 2668 2670 2674 2675 6274 6706 6707 6708 6709 6710 6711 6717 6811 6814 6815 6818 6821
[Diptera: Calliphoridae]
Pollenia rudis 651
[Diptera: Muscidae]
Unknown species 5954
Coenosia tigrina 6918
Musca domestica 454 556 557 803 2014 2172 2542 5952 5953 6121 6122 6123 6124 6125 6126 6127 6128 6129 6130 6131 6132 6133 6134 6135 6136 6140 6141 6164 6165 6713 6714 6715 6716 6812 6813
[Diptera: Syrphidae]
Unknown species 826 2673

Entomophthora planchoniana
[Homoptera: Aphididae]
Ovatus crataegarius 6251 6252

Entomophthora scatophagae
[Diptera: Scatophagidae]
Scatophaga stercoraria 6704 6705

Entomophthora schizophorae
[Diptera: Calliphoridae]
Pollenia 6703 6816 6817
[Diptera: Muscidae]
Musca domestica 5348 6137 6138 6139 6142 6143
[Diptera: Psilidae]
Psila rosae 2540 2541 2667

Entomophthora syrphi
[Diptera: Syrphidae]
Melanostoma scalare 6819 6820
Platycheirus clypeatus 6702
Triglyphus primus 5955

Entomophthora thripidum
[Thysanoptera: Thripidae]
Thrips tabaci 5868 6517 6518 6519 6520 6521 6522 6525

Erynia sp.
[Coleoptera: Cantharidae]
Unknown species 2664 5352
Rhagonycha fulva 2525 2536 2537 2538 2539 2553 2663
[Diptera]
Unknown species 876 880 884 2495
[Diptera: Brachycera]
Unknown species 1338
[Diptera: Chironomidae]
Unknown species 2507
[Diptera: Ephydridae]
?Hydrellia 2097
[Homoptera: Aphididae]
Unknown species 2279
Brevicoryne brassicae 2294
Macrosiphum euphorbiae 2292
Therioaphis maculata 1666
[Lepidoptera]
Unknown species 1241
[Lepidoptera: Noctuidae]
Pseudoplusia includens 2027
[Lepidoptera: Plutellidae]
Plutella xylostella 983
[Lepidoptera: Tortricidae]
Eana argentana 1143
[Trichoptera]
Unknown species 9537

Erynia aquatica
[Diptera: Culicidae]
Unknown species 764
Aedes 750

Erynia conica
[Diptera: Chironomidae]
Unknown species 2274 2405
[Diptera: Simuliidae]
Unknown species 1752 1753 2275
Simulium 1439

Erynia curvispora
[Diptera: Simuliidae]
Unknown species 1754 3229
[Trichoptera]
Unknown species 3244

Erynia ovispora
[Diptera: Psychodidae]
Unknown species 399 400

Erynia rhizospora
[Trichoptera]
Unknown species 219 801 1440 1441 1442 1443 2276
[Trichoptera: Hydropsychidae]
Unknown species 2407

Erynia sciarae
[Diptera: Mycetophilidae]
Unknown species 1870

Eryniopsis caroliniana
[Diptera: Tipulidae]
Tipula paludosa 640 641 642

Eryniopsis ptychopterae
[Diptera: Ptychopteridae]
Ptychoptera contaminata 2535 2671

Escovopsis aspergilloides
[Hymenoptera: Formicidae]
Trachymyrmex sp. 5575

Escovopsis sp.
[Hymenoptera: Formicidae]
Acromyrmex octospinosus 5574

Escovopsis weberi
[Hymenoptera: Formicidae]
Atta colombica 5576

Eurotiomycetes, genus undetermined
[Homoptera: Adelgidae]
Adelges tsugae 9360 9361

Evlachovaea sp.
[Coleoptera: Elateridae]
Agriotes 7403
[Coleoptera: Scarabaeidae]
Phyllophaga menetriesi 7551
[Coleoptera: Scolytidae]
Dendroctonus rufipennis 1017
[Dermaptera]
Unknown species 7602
[Diptera: Bibionidae]
Plecia 7372
[Diptera: Stratiomyidae]
Chiromyza 6146
[Hemiptera: Tingidae]
Leptopharsa heveae 6635 6638 6639 6640 6641
[Hymenoptera: Formicidae]
Pogonomyrmex occidentalis 7543
[Hymenoptera: Sphecidae]
Unknown species 2545
[Hymenoptera: Tenthredinidae]
Monophadnus elongatulus 1576
[Lepidoptera]
Unknown species 7599 7600 7601
[Lepidoptera: Brassolidae]
Brassolis 2297
Brassolis sophorea 2613 2620
[Lepidoptera: Gelechiidae]
Sitotroga cerealella 5703
[Lepidoptera: Noctuidae]
Spodoptera frugiperda 959
[Lepidoptera: Oecophoridae]
Anteotricha 2614 2615
[Lepidoptera: Pyralidae]
Galleria mellonella 8439 8441 8442 8449

Evlachovaea kintrischica
[Coleoptera: Chrysomelidae]
Agelastica alni 7218 8058

Exophiala sp.
[Homoptera: Adelgidae]
Adelges tsugae 9362

Furculomyces boomerangus
[Diptera: Chironomidae]
Procladius paludicola 9077
Psectrocladius paludicola 9259
Tanytarsus nr. inextentus 9021

Furia americana
[Diptera]
Unknown species 742 1240 1242 2192 2194

Furia gastropachae
[Lepidoptera]
Unknown species 2906
[Lepidoptera: Lasiocampidae]
Malacosoma disstria 5541 5542 5543 5544 5545 5546 5547 5869 5870 5871 5872 8926

Furia ithacensis
[Diptera: Empididae]
Unknown species 1339 1340

Furia neopyralidarum
[Lepidoptera]
Unknown species 1145

Furia pieris
[Lepidoptera: Pieridae]
Pieris rapae 781

Furia virescens
[Hemiptera: Miridae]
Notostira elongata 394
[Lepidoptera]
Unknown species 427
[Lepidoptera: Noctuidae]
Unknown species 470 1129

Fusarium sp.
[Acari: Ixodidae]
Boophilus 3296
[Acari: Tetranychidae]
Tetranychus urticae 6443 6572
[Coleoptera: Buprestidae]
Agrilus planipennis 8131
[Coleoptera: Chrysomelidae]
Lilioceris lilii 4011
[Coleoptera: Curculionidae]
Anthonomus musculus 3030 3031 3032
Chalcodermus aeneus 2568 2569
Conotrachelus nenuphar 8266 8267
Otiorhynchus ligustici 4825
Sitona discoideus 1310
[Coleoptera: Scolytidae]
Dendroctonus micans 9273 9274
Hypothenemus hampei 5461 5875 5878 5879 6602 7063
[Diptera]
Unknown species 2414
[Diptera: Bibionidae]
Unknown species 2252
[Diptera: Muscidae]
Musca domestica 1522
[Diptera: Psychodidae]
Lutzomyia 3382
[Diptera: Ulidiidae]
Tetanops myopaeformis 7382
[Hemiptera: Miridae]
Adelphocoris 1307 1641
[Hemiptera: Pentatomidae]
Dolycorus 6411
Halyomorpha halys 10311 10312 10313 10388 10389 10390 10391
[Hemiptera: Reduviidae]
Triatoma infestans 7473
[Hemiptera: Scutelleridae]
Eurygaster 5680 5682 5755 5757 6394 6395 6396 6397 6398 6400 6401 6402 6403 6409 6410 6425 6428 6429
[Homoptera: Adelgidae]
Adelges tsugae 5803 5825
[Homoptera: Aleyrodidae]
Unknown species 4002
Bemisia tabaci 3668 3669 3670 3671 3672 3673 3674 3675 3676 3677 3678 3679 5332
[Homoptera: Aphididae]
Unknown species 3704 3707
Aphis fabae 8277 8278 8287
Aphis gossypii 5726 5727 5728 7233
Diuraphis noxia 4969
Rhopalosiphum padi 2337
Sitobion avenae 2333
Toxoptera aurantii 6790
[Homoptera: Cercopidae]
Aeneolamia postica 3345
Mahanarva andigena 6460 6461 6464
Prosapia nr. bicincta 4713 4714 4715
Zulia carbonaria 6465
Zulia colombiana 6348 6351 6352 6353 6354 6358
Zulia pubescens 6320 6375 6576
[Homoptera: Coccidae]
Unknown species 1828
Coccus viridis 2232
[Homoptera: Delphacidae]
Nilaparvata lugens 687
Sogatella furcifera 8282 8283 8285
[Homoptera: Diaspididae]
Lopholeucaspis japonica 6225
[Homoptera: Membracidae]
Ceresa bubalus 8279
[Homoptera: Pseudococcidae]
Phenacoccus solenopsis 9377
[Homoptera: Psyllidae]
Heteropsylla cubana 2303
[Lepidoptera: Gelechiidae]
Scrobipalpuloides absoluta 5219
[Lepidoptera: Hyblaeidae]
Hyblaea puer 2595
[Lepidoptera: Lycaenidae: Polyommatinae]
Orachrysops subravus 6102
[Lepidoptera: Lymantriidae]
Lymantria dispar 3532
[Lepidoptera: Noctuidae]
Spodoptera 2736
Spodoptera frugiperda 3300
Spodoptera litura 6649
[Lepidoptera: Phycitinae]
Emmalocera depressella 2418
[Lepidoptera: Plutellidae]
Plutella xylostella 2776 5881
[Lepidoptera: Pyralidae]
Chilo sacchariphagus 7045 7046
Galleria mellonella 5560
[Lepidoptera: Tortricidae]
Cydia pomonella 3976
Epiphyas postvittana 10470
[Orthoptera: Acrididae]
Aiolopus longicornis 6445 6446 6447 6450 6451 6452 6455
[Orthoptera: Tetrigidae]
Tetrix granulata 8281 8286
[Thysanoptera: Thripidae]
Unknown species 9937
Scirtothrips dorsalis 7381
[Tylenchida: Heteroderidae]
Meloidogyne hapla 4956 4962

Fusarium acuminatum
[Orthoptera: Acrididae]
Unknown species 3218

Fusarium avenaceum
[Lepidoptera: Lymantriidae]
Lymantria dispar 2060

Fusarium coccophilum
[Homoptera: Coccoidea]
Unknown species 7409
[Homoptera: Diaspididae]
Lepidosaphes 2098
Melanaspis obscura 821

Fusarium lateritium
[Homoptera: Psyllidae]
Heteropsylla cubana 2304
[Hymenoptera: Ichneumonidae]
Unknown species 1331 1416

Fusarium merismoides
[Lepidoptera: Lymantriidae]
Lymantria dispar 2059

Fusarium moniliforme
[Homoptera: Diaspididae]
Melanaspis glomerata 2074

Fusarium moniliforme var. intermedium
[Homoptera: Delphacidae]
Nilaparvata lugens 3223

Fusarium nygamai
[Lepidoptera: Noctuidae]
Raghuva albipunctella 2316

Fusarium oxysporum
[Diptera: Anthomyiidae]
Delia radicum 1371
[Tylenchida: Heteroderidae]
Meloidogyne hapla 4963 4964

Fusarium oxysporum(?)
[Homoptera: Cercopidae]
Zulia colombiana 6355

Fusarium polyphialidicum
[Lepidoptera: Lymantriidae]
Lymantria dispar 3692 3693 3694 3695 3696 3916

Fusarium semitectum
[Homoptera: Delphacidae]
Nilaparvata lugens 2053
[Homoptera: Psyllidae]
Heteropsylla incisa 2299 2300

Fusarium solani
[Diptera: Anthomyiidae]
Delia radicum 1148

Fusarium subglutinans
[Hemiptera: Lophopidae]
Pyrilla perpusilla 2143 2144
[Homoptera: Coccidae]
Pulvinaria elongata 2145
[Homoptera: Psyllidae]
Heteropsylla incisa 2301
[Lepidoptera: Pyralidae]
Chilo sacchariphagus indicus 2142
Scirpophaga excerptalis 2141

Fusarium torulosum
[Lepidoptera: Lymantriidae]
Lymantria dispar 3483

Geotrichum sp.
[Lepidoptera: Plutellidae]
Plutella xylostella 2752

Geotrichum (?) sp.
[Homoptera: Adelgidae]
Adelges tsugae 5823

Gibellula clavulifera var. alba
[Araneida: Salticidae]
Euophrys ?trivittata 1909

Gibellula pulchra
[Araneida]
Unknown species 1732

Gibellula sp.
[Araneida]
Unknown species 569 570 1669 8927

Gliocladium sp.
[Lepidoptera: Sesiidae]
Unknown species 6632

Gliocladium(?) sp.
[Acari: Ixodidae]
Ixodes scapularis 6896
[Homoptera: Margarodidae]
Icerya purchasi 6579 6583

Haptocillium balanoides
[Aphelenchida: Aphelenchoididae]
Aphelenchoides 3173

Harpellales, genus undetermined
[Diptera: Chironomidae]
Corynoneura 9089
[Trichoptera]
Unknown species 9064

Harposporium anguillulae
[Tylenchida: Heteroderidae]
Meloidogyne hapla 4954

Harposporium botuliforme
[Bdelloida: Adinetidae]
Adineta vaga 10275

Harposporium janus
[Coleoptera: Cerambycidae]
Unknown species 5601

Harposporium spirosporum
[Bdelloida: Habrotrochidae]
Habrotrocha elusa 8821 10271

Hirsutella sp.
[Acari]
Unknown species 2795 2796 2797 2798 2801 2802 2803
[Acari: Eriophyidae]
Abacarus hystrix 970 8999
[Collembola]
Unknown species 2799
[Diptera: Sciomyzidae]
Sepedon sphegeus 1551
[Hemiptera: Miridae]
Cyrtorhinus lividipennis 2208 2209
[Homoptera]
Unknown species 4511
[Homoptera: Cicadellidae]
Empoasca kraemeri 1625 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2992
[Homoptera: Cixiidae]
Oliarus dimidiatus 8378
[Homoptera: Delphacidae]
Nilaparvata lugens 568 1096
[Homoptera: Derbidae]
Lydda 4515
[Homoptera: Diaspididae]
Nuculaspis tsugae 1668
[Homoptera: Psyllidae]
Diaphorina citri 9605 9606
[Hymenoptera: Formicidae]
Solenopsis invicta 7578
[Lepidoptera]
Unknown species 2581
[Thysanoptera: Phlaeothripidae]
Liothrips mikaniae 4513 4514
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 2939 2940 3266 3318 3546 3548 3553
Thrips palmi 4193

Hirsutella brownorum
[Acari]
Unknown species 3509

Hirsutella citriformis
[Homoptera: Cixiidae]
Myndus crudus 1035 1446
[Homoptera: Delphacidae]
Unknown species 2428
Nilaparvata lugens 490 532 591 684 1036 1062 1063 1064 1243 1244 1245 1246 1249 1251 1252 1253 1254 1255 1256 1257 1258 1259 1436 1549 1550 1837 1913 1917 1918 1919 2099 2100 2101 2102 2103 2346 2420 2422 2423 2426
[Homoptera: Psyllidae]
Diaphorina citri 8315 9180
Heteropsylla cubana 2347 2598
[Psocoptera: Ectopsocidae]
Ectopsocus 8679
[Psocoptera: Pseudocaeciliidae]
Heterocaecilius 8677 8678

Hirsutella cryptosclerotium
[Homoptera: Pseudococcidae]
Rastrococcus invadens 4517

Hirsutella fusiformis
[Coleoptera: Curculionidae]
Brachyderes incanus 5474

Hirsutella gigantea
[Hymenoptera: Pamphiliidae]
Unknown species 30

Hirsutella guyana
[Homoptera: Cicadellidae]
Unknown species 2352 2387
Empoasca kraemeri 878 879 881 882 883 2993

Hirsutella haptospora
[Acari: Uropodina]
Unknown species 2226

Hirsutella illustris
[Homoptera: Aphididae]
Eriosoma lanigerum 5539

Hirsutella kirchneri
[Acari]
Unknown species 5550
[Acari: Eriophyidae]
Abacarus hystrix 5551

Hirsutella lecaniicola
[Homoptera: Coccidae]
Parthenolecanium corni 8888

Hirsutella liboensis
[Lepidoptera: Cossidae]
Unknown species 9603

Hirsutella longicolla var. cornuta
[Lepidoptera: Tortricidae]
Choristoneura fumiferana 177 178

Hirsutella minnesotensis
[Tylenchida: Heteroderidae]
Heterodera glycines 7288 7289 7290 7291 7294

Hirsutella necatrix
[Acari]
Unknown species 5549

Hirsutella nodulosa
[Lepidoptera: Pyralidae]
Dioryctria zimmermani 5473

Hirsutella nr. haptospora
[Diptera: Itonididae]
Unknown species 2228

Hirsutella radiata
[Diptera: ?Lauxaniidae]
Unknown species 1369

Hirsutella repens
[Homoptera: Delphacidae]
Nilaparvata lugens 2348 2359 2394

Hirsutella rhossiliensis
[Tylenchida: Criconematidae]
Criconemella curvata 2007
Criconemella xenoplax 2006 2008 3744 3746 3747 3748 3750 3754
[Tylenchida: Heteroderidae]
Heterodera glycines 7286 7287 7292 7293 7295
Heterodera humuli 2894
Heterodera schachtii 2788 2789 2790 2791 2792 2794 2931 2932 2933 3761

Hirsutella satumaensis
[Lepidoptera: Pyralidae]
Dioryctria sylvestrella 996

Hirsutella sinensis
[Lepidoptera: Hepialidae]
Unknown species 6282

Hirsutella strigosa
[Homoptera: Cicadellidae]
Nephotettix virescens 2197
[Homoptera: Delphacidae]
Nilaparvata lugens 2044

Hirsutella subulata
[Lepidoptera: Microlepidoptea]
Unknown species 2227

Hirsutella thompsonii
[Acari]
Unknown species 2800
[Acari: Eriophyidae]
Calacarus heveae 6633
Colomerus novahebridensis 258 414
Eriophyes guerreronis 256 257
Eriophyes sheldoni 255 2459
Phyllocoptruta oleivora 137 241 253 259 2012 2464
[Acari: Tarsonemidae]
Unknown species 1947
[Acari: Tenuipalpidae]
Dolichotetranychus floridanus 3323
[Acari: Tetranychidae]
Tetranychus 9457

Hirsutella thompsonii var. synnematosa
[Acari: Tetranychidae]
Mononychellus tanajoa 5412

Hirsutella thompsonii var. vinacea
[Acari: Eriophyidae]
Acalitus vaccinii 254

Hirsutella versicolor
[Homoptera: Cicadellidae]
Idiocerus nitidulus 4512
[Homoptera: Membracidae]
Unknown species 1034 1037

Hirsutella verticillioides
[Homoptera: Cicadellidae]
Idioscopus clypealis 2599

Humicola sp.
[Lepidoptera: Lymantriidae]
Lymantria dispar 2069

Hymenostilbe sphecophila
[Hymenoptera]
Unknown species 6292

Hymenostilbe verrucosa
[Araneida]
Unknown species 2002

Hypocrella discoidea
[Homoptera: Coccoidea]
Unknown species 7681

Hypocrella javanica
[Homoptera: Coccoidea]
Unknown species 7605

Hypocrella panamensis
[Homoptera: Coccoidea]
Unknown species 8361

Hypocrella raciborskii
[Homoptera: Coccoidea]
Unknown species 7606

Isaria sp.
[Coleoptera]
Unknown species 9519
[Diptera: Tipulidae]
Unknown species 9508
[Hemiptera: Scutelleridae]
Eurygaster 10363 10364 10365 10366 10367 10368 10369 10370 10371 10372 10373 10374 10375 10376 10377 10378 10379 10380 10381 10382 10383 10384 10385
[Homoptera: Psyllidae]
Unknown species 9517
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10162 10231 10232 10233

Isaria amoenerosea
[Coleoptera: Lagriidae]
Lagria vilosa 741 744 2220 2958 2959 2960 4097
[Coleoptera: Meloidae]
Unknown species 4849

Isaria andoi
[Diptera: Cecidomyiidae]
Resseliella odai 1684

Isaria cateniannulata
[Coleoptera: Curculionidae]
Unknown species 6241
Brachyderes incanus 6243
[Lepidoptera]
Unknown species 6240 9601
[Lepidoptera: Lymantriidae]
Lymantria dissoluta 6242

Isaria cateniobliqua
[Coleoptera]
Unknown species 6244
[Orthoptera: Acridoidea]
Unknown species 6283

Isaria coleopterorum
[Coleoptera: Lampyridae]
Unknown species 9509
[Diptera: Tipulidae]
Unknown species 10163

Isaria farinosa
[Araneida]
Unknown species 2376
[Araneida: Araneae]
Unknown species 5191
[Coleoptera]
Unknown species 2355 9516
[Coleoptera: Buprestidae]
Agrilus planipennis 9944 9945
[Coleoptera: Carabidae]
Agonum dorsale 4029 4044
Bembidion lampros 4043
Hapalus sp. 4045
[Coleoptera: Cerambycidae]
Unknown species 5073 5074 5075 5080 7276
Anoplophora glabripennis 8411
[Coleoptera: Chrysomelidae]
Unknown species 6491
Pyrrhalta luteola 1507 1508
[Coleoptera: Coccinellidae]
Unknown species 5754 5834
[Coleoptera: Curculionidae]
Otiorhynchus sulcatus 2937
Premnotrypes vorax 799
Sitona lineatus 4039
[Coleoptera: Lagriidae]
Lagria vilosa 1957
[Coleoptera: Scarabaeidae]
Unknown species 6488 6489
[Coleoptera: Scolytidae]
Dendroctonus micans 9269 9270 9275 9276 9277 9278
[Coleoptera: Silphidae]
Unknown species 9511
[Coleoptera: Staphylinidae]
Staphylinus olens 4040
[Coleoptera: Tenebrionidae]
Unknown species 5699
Alphitobius diaperinus 5858
Tenebrio molitor 8917
[Collembola]
Unknown species 6482
[Diptera]
Unknown species 10156 10160 10165
[Diptera: Culicidae]
Aedes albifasciatus 2971
Aedes sierrensis 1939
[Diptera: Tachinidae]
Unknown species 1348 1349
[Diptera: Xylophagidae]
Unknown species 9512
[Hemiptera: Lygaeidae]
Unknown species 6496
[Hemiptera: Miridae]
Unknown species 6607
[Hemiptera: Pentatomidae]
Aelia 6097 6098 6493 6497
[Hemiptera: Scutelleridae]
Eurygaster 5675 5676 5679 6012 6017 6020 6044 6481 6490 6495
Eurygaster integriceps 6288
[Homoptera: Adelgidae]
Adelges tsugae 5178 5760 5761 5774 5775 5776 5784 5788 5790 5792 5797 5799 5800 5801 5802 5826 5827 5830 6028 6029 6030 6031 6032 6033 6034 6036 6037 6038 6048 6049
[Homoptera: Aleyrodidae]
Aleurocanthus woglumi 2954
Bemisia tabaci 3572 3574 3575 3576 3578 3579 3580 3582 3583 3584 3585 3586 3587 3588 3589 3591 3592 3593 3658 3659 3661 5081 5082 5083 5084 5306
Trialeurodes vaporariorum 4412
[Homoptera: Aphididae]
Diuraphis noxia 6222 6609 6983
[Homoptera: Coccidae]
Unknown species 9513
[Hymenoptera]
Unknown species 7249 7262
[Hymenoptera: Formicidae]
Unknown species 7728 9510

[Hymenoptera: Formicoidea]
Unknown species 9514
[Hymenoptera: Pamphiliidae]
Acantholyda erythrocephala 5548
[Hymenoptera: Tenthredinidae]
Pristiphora erichsonii 1851
[Lepidoptera]
Unknown species 2822 3152 4090 5996 6245 7118 7714 7720 7722 7723 7724 7725 7726 7730
[Lepidoptera: Arctiidae]
Pyrrharctia isabella 3017
[Lepidoptera: Cossidae]
Prionoxystus robiniae 2269
[Lepidoptera: Geometridae]
Alosophila pometaria 5368
Lambdina athasaria 3537 3538
[Lepidoptera: Lasiocampidae]
Unknown species 9515
Malacosoma americanum 3
[Lepidoptera: Lymantriidae]
Leucoma salicis 38
Lymantria dispar 20 648 697 2057 2131 2564 2835 3221 3490 3491 3492 3493 3494 3495 3496 3497 3498 3499 3500 3501 3502 3503 3504 3505 3506 3507 3508 3517 3518 3519 3520 3521 3522 3523 3524 3525 3526 3533 3595 3596 3597 3598 3599 3664 3665 3666
[Lepidoptera: Noctuidae]
Agrotis segetum 4010
Rivula atimeta 2344
Spodoptera 2546
[Lepidoptera: Notodontidae]
Quadicalcarifera punctatella 1042
[Lepidoptera: Nymphalidae]
Unknown species 981
Chlosyne lacinia saundersii 1065
[Lepidoptera: Pyralidae]
Galleria mellonella 7531 7574 7575 7576 7961 7962 8770
Ostrinia nubilalis 3983
[Lepidoptera: Sesiidae]
Conopia myopaeformis 1108
[Lepidoptera: Tortricidae]
Cydia pomonella 975 5883 5884 5885 6200 6202 6207
Laspeyresia medicagicus 1225
Lobesia botrana 1111
[Opiliones]
Unknown species 5194
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 3564 10155 10157 10158 10159 10161

Isaria farinosa(?)
[Homoptera: Psyllidae]
Unknown species 7219

Isaria flavovirescens
[Diptera: Cecidomyiidae]
Resseliella odai 1686

Isaria fumosorosea
[Acari]
Unknown species 6610
[Acari: Ixodidae]
Ixodes ricinus 7069
[Coleoptera]
Unknown species 5694 7716 9602
[Coleoptera: Buprestidae]
Agrilus planipennis 8142
[Coleoptera: Chrysomelidae]
Unknown species 8840
Pyrrhalta luteola 1506
Spaethiella 2956
[Coleoptera: Coccinellidae]
Coccinella septempunctata 9521
[Coleoptera: Lagriidae]
Lagria vilosa 722 2216 2217 2219 2221
[Coleoptera: Scarabaeidae]
Popillia japonica 2679
Rhopaea magnicornis 8892
[Coleoptera: Scolytidae]
Hypothenemus hampei 6730 7284
[Coleoptera: Tenebrionidae]
Alphitobius diaperinus 5844 5845 5846 5847
Tenebrio molitor 5627
[Dictyoptera: Blattellidae]
Blattella germanica 5855
[Diptera]
Unknown species 887
[Diptera: ?Stratiomyidae]
Unknown species 2425
[Diptera: Calliphoridae]
Calliphora 1646
[Diptera: Muscidae]
Musca autumnalis 1626
Musca domestica 1644 1645 1867 1868 5860
[Hemiptera: Miridae]
Adelphocoris 1530 1532
[Hemiptera: Pentatomidae]
Unknown species 3429
[Homoptera: Aleyrodidae]
Bemisia 3313 3800 6797 6798
Bemisia argentifolii 5154 5155 5156 5157 5158 5159 5462 5463 5464
Bemisia tabaci 3076 3083 3322 3408 3581 3590 3594 3660 3662 3663 3699 3700 3843 3848 3851 3878 3889 4482 4483 4484 4485 4486 4490 4491 4492 4493 4494 4495 4496 4497 4498 4499 4501 4502 4503 5085 5086 5087 5088 5089 5090 5107 5113 5115 5116 5117 5118 5119 5121 5122 5260 5261 5262 5263 5264 5265 5266 5267 5268 5269 5270 5271 5272 5297 5298 5299 5300 5301 5302 5303 5304 5305 5307 5308 5309 5310 5311 5312 5313 5314 5315 5316 5317 5318 5319 5320 5322 5323 5324 5325 5326 5327 5328 5329 5330 5331 5475 5476 6434 6435 6562
Trialeurodes vaporariorum 2658 4205 4401 4404 4406 4407 4408 4409 4410 4411 4413 4414 4415 6916 7051 7204 7205 8716 8717 8718 8719 8720 8721 8723 8724 8725 8726 8727 8728 8729 8730 8928
[Homoptera: Aphididae]
Unknown species 3682 4400 6789
Diuraphis noxia 3824 4383 4459 4460 4461 4698 4699 4700 4701 4702 4703 4704 4705 4706 4707 4708 4709 4710 4711
Myzus persicae 3458
[Homoptera: Delphacidae]
Nilaparvata lugens 2198
[Homoptera: Pseudococcidae]
Phenacoccus solani 2247
[Homoptera: Psyllidae]
Heteropsylla incisa 2175
[Homoptera: spf. Fulgoroidea]
Unknown species 7050
[Hymenoptera: Aphelinidae]
Eretmocerus californicus 5253 5254 5255 5256 5257 5258
[Lepidoptera]
Unknown species 5251 5252 7743 9520
[Lepidoptera: Arctiidae]
Hyphantria cunea 1568 1569 1577 1578 1579 10224
[Lepidoptera: Bombycidae]
Bombyx mori 720 989 1005
[Lepidoptera: Lymantriidae]
Lymantria dispar 6206
[Lepidoptera: Noctuidae]
Spodoptera 2734
[Lepidoptera: Plutellidae]
Plutella xylostella 2749 5874 6799 6800
[Lepidoptera: Pyralidae]
Diaphania hyalinata 3302
Galleria mellonella 6893 8333 8337 8345 8348 8448 9380
[Lepidoptera: Tortricidae]
Cydia pomonella 6192 6203 6204

Isaria guaensis
[Orthoptera: Gryllidae]
Unknown species 2152

Isaria javanica
[Coleoptera]
Unknown species 7119
[Coleoptera: Curculionidae]
Litodactylus leucogaster 322
[Homoptera: Aleyrodidae]
Bemisia 3303
Bemisia tabaci 3573 3577 3776 3778 5259 5321
Trialeurodes vaporariorum 7477
[Lepidoptera: Noctuidae]
Mamestra brassicae 3981

Isaria poprawskii
[Homoptera: Aleyrodidae]
Bemisia argentifolii 7028

Isaria sinclairii
[Homoptera: Cicadidae]
Mogannia hebes 6925

Isaria tenuipes
[Araneida]
Unknown species 9533
[Lepidoptera]
Unknown species 5134 5135 6249 9531 9532 9534
[Lepidoptera: Noctuidae]
Unknown species 3938 3939 4096
Mocis latipes 6889
Spodoptera frugiperda 2488 2489 2490 2491
[Lepidoptera: Nymphalidae]
Agraulis vanillae 6788

Lagenidium caudatum
[Dorylaimida: Longidoridae]
Xiphinema rivesi 2003

Lagenidium giganteum
[Diptera: Ceratopogonidae]
Forcipomyia marksae 2529 2530 2531 2532
[Diptera: Culicidae]
Unknown species 748 3326
Aedes melanimon 3327
Culex tarsalis 1384
Culex territans 749
Culiseta melanura 373

Lasiodiplodia theobromae
[Hymenoptera: Formicidae]
Anoplolepsis longipes 2170

Lecanicillium sp.
[Acari]
Unknown species 7373 10164 10215 10216 10217 10218
[Coleoptera: Silphidae]
Unknown species 9459
[Hemiptera: Tingidae]
Leptopharsa heveae 8639
[Homoptera: Adelgidae]
Adelges tsugae 9175 9176 9924 9925 9926
[Homoptera: Aphididae]
Toxoptera citricida 2009
[Homoptera: Coccidae]
Parthenolecanium corni 7622
[Homoptera: Coccoidea]
Unknown species 9177
[Homoptera: Ortheziidae]
Orthezia urticae 9466
[Hymenoptera: Formicidae]
Pogonomyrmex occidentalis 7544
[Lepidoptera: Tortricidae]
Tortrix viridana 9458
[Thysanoptera: Thripidae]
Unknown species 9930 9931 9935 9936
Taeniothrips inconsequens 3253 3254 3255 3259 3260 10154 10187 10188 10189 10190 10192 10193 10195 10196 10197 10198 10199 10200 10201 10202 10203 10206 10207 10208 10209 10210 10211 10212 10213 10214 10287 10288 10289 10290 10291 10294 10295 10296 10297 10298 10299 10300 10301 10302 10303 10304 10305 10306

Lecanicillium aphanocladii
[Acari: Tetranychidae]
Tetranychus urticae 9615
[Homoptera: Aphididae]
Myzus nr. *persicae* 2324
[Homoptera: Pseudococcidae]
Paracoccus marginatus 9611

Lecanicillium aphanocladii(?)
[Hemiptera: Tingidae]
Leptopharsa heveae 7985 7986

Lecanicillium flavidum
[Agaricales: Entolomataceae]
Entoloma 4519

Lecanicillium fungicola
[Coleoptera: Elateridae]
Unknown species 9483
[Homoptera: Aleyrodidae]
Unknown species 9482

Lecanicillium fusisporum
[Homoptera: Aphididae]
Myzus persicae 5583

Lecanicillium fusisporum(?)
[Diptera: Muscidae]
Musca domestica 5578 5579
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10184

Lecanicillium lecanii
[Araneida]
Unknown species 1905
[Coleoptera: Buprestidae]
Agrilus planipennis 8115
[Coleoptera: Cerambycidae]
Plectrodera scalator 7181 7182
[Coleoptera: Chrysomelidae]
Pyrrhalta luteola 1505
[Homoptera: Aleyrodidae]
Trialeurodes vaporariorum 7207
[Homoptera: Aphididae]
Unknown species 6887
Aphis rumicis 7530
Brevicoryne brassicae 1787
Diuraphis noxia 5706
Myzus cerasi 6915
Myzus persicae 3387 7462
Uroleucon ambrosiae 6886
[Homoptera: Coccidae]
Unknown species 6888
Ceroplastes 6791
Coccus viridis 2149 2150
[Homoptera: Coccoidea]
Unknown species 7408 7550
[Homoptera: Lecaniidae]
Lecanium viridis 555
[Thysanoptera: Thripidae]
Frankliniella occidentalis 3683 3688

Lecanicillium lecanii(?)
[Diptera: Muscidae]
Haematobia irritans 5584 5585
[Homoptera: Aleyrodidae]
Trialeurodes vaporariorum 4060
[Homoptera: Aphididae]
Unknown species 5581
Diuraphis noxia 3882 3883 3884
[Homoptera: Coccidae]
Coccus hesperidium 6289
[Lepidoptera: Tortricidae]
Cydia pomonella 1109
[Thysanoptera: Thripidae]
Frankliniella occidentalis 3689
Thrips tabaci 5580

Lecanicillium longisporum
[Coleoptera: Staphylinidae]
Tachyporus hypnorum 4050
[Homoptera: Aleyrodidae]
Trialeurodes vaporariorum 7206 7461
[Homoptera: Aphididae]
Unknown species 974 7457 7458 7459 7783 7784 7923 8042
Macrosiphoniella sanborni 5126
Myzus persicae 1026
Rhopalosiphum nymphaeae 321
Toxoptera citricida 2460
[Thysanoptera: Thripidae]
Unknown species 3701

Lecanicillium muscarium
[Araneida]
Unknown species 9467
[Coleoptera: Buprestidae]
Agrilus planipennis 8114 8118 8157 8163 8165
[Coleoptera: Curculionidae]
Unknown species 7248
Hypera postica 1328 1401 1402 1403
Pissodes strobi 8048 8049 8050 8051 8052 8053 8054
Sitona lineatus 4033
[Coleoptera: Melyridae]
Malachius bipustulatus 1335
[Coleoptera: Scolytidae]
Dendroctonus micans 4036 9267 9268
[Coleoptera: Tenebrionidae]
Tenebrio molitor 8923
[Diptera]
Unknown species 9470 10173
[Diptera: Culicidae]
Ochlerotatus triseriatus 810
[Diptera: Psychodidae]
Lutzomyia saulensis 3418
[Diptera: Tipulidae]
Unknown species 2329
[Hemiptera: Scutelleridae]
Eurygaster 6118
[Homoptera: Aleyrodidae]
Unknown species 3709
Trialeurodes vaporariorum 972 5128 7460
[Homoptera: Aphididae]
Unknown species 2659 7034
Aphis fabae 7785

Diuraphis noxia 2862 2877 2878 3000 3861
Macrosiphum euphorbiae 204 2858
Myzus nr. *persicae* 2323 2325 2326
Myzus cerasi 6914
Myzus persicae 3324 7782 8714
Pemphigus betae 3464
Sitobion avenae 2334
[Homoptera: Cicadellidae]
Unknown species 7037
[Homoptera: Coccidae]
Ceroplastes 7375
Coccus viridis 1774 6792
Parthenolecanium corni 8041
Pulvinaria floccifera 980
Saissetia oleae 1029
[Homoptera: Delphacidae]
Delphacodes kuscheli 7781
[Homoptera: Eriococcidae]
Cryptococcus fagisuga 3740
[Homoptera: Margarodidae]
Icerya purchasi 1033
[Hymenoptera: Ichneumonidae]
Unknown species 1330
[Lepidoptera]
Unknown species 7621 9468 9469 9477
[Lepidoptera: Cossidae]
Cossula cossus 973 1102
[Lepidoptera: Lymantriidae]
Lymantria dispar 2065 2066 3531 3600 3601
[Lepidoptera: Pyralidae]
Galleria mellonella 7568
Ostrinia nubilalis 900
[Lepidoptera: Tortricidae]
Adoxophyes orana 994
Cydia pomonella 6591
[Pucciniales]
Unknown species 9471 9472
[Thysanoptera: Thripidae]
Unknown species 2923
Frankliniella occidentalis 3684 3685 3686 3690 3691
Taeniothrips inconsequens 10178
[Uredinales]
Hemileia vastatrix 6699

Lecanicillium muscarium(?)
[Coleoptera: Buprestidae]
Agrilus planipennis 8162
[Coleoptera: Curculionidae]
Conotrachelus nenuphar 8265
[Homoptera: Aleyrodidae]
Unknown species 9464
[Homoptera: spf. Coccoidea]
Unknown species 9463
[Lepidoptera: Tortricidae]
Cydia pomonella 1032
[Pucciniales: Phragmidiaceae]
Phragmidium 9462
[Thysanoptera: Thripidae]
Frankliniella occidentalis 3687

Lecanicillium nr. aranearum
[Coleoptera: Lampyridae]
Unknown species 9460

Lecanicillium pissodis
[Coleoptera: Curculionidae]
Pissodes strobi 8055 8056 8057

Lecanicillium psalliotae
[Acari: Tenuipalpidae]
Raoiella indica 8890
[Diptera]
Unknown species 10179
[Diptera: Psychodidae]
Lutzomyia sordelli 3416
[Hemiptera: Scutelleridae]
Eurygaster 5666 5681 5683 5763 5835 6071
[Homoptera: Aleyrodidae]
Bemisia tabaci 5582 6436
[Homoptera: Aphididae]
Unknown species 9474
Sitobion avenae 2332
[Homoptera: Margarodidae]
Icerya aegyptica 6581 6582
[Homoptera: Pseudococcidae]
Rhizoecus 2234 2235
[Lepidoptera]
Unknown species 5685
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10170 10175 10176 10177 10180 10181 10182
[Tylenchida: Heteroderidae]
Meloidogyne hapla 4960 4965
[Uredinales]
Olivea colebrookeae 5249

Lecanicillium psalliotae(?)
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10183

Lecanicillium sp. 2(?)
[Coleoptera]
Unknown species 2832

Lecanicillium wallacei(?)
[Diptera]
Unknown species 10172 10174

Lecanicillium(?) sp.
[Homoptera: Adelgidae]
Adelges tsugae 9369

Legeriosimilis sp.
[Trichoptera]
Unknown species 9066

Leptolegnia sp.
[Dorylaimida: Longidoridae]
Xiphinema 2004

Leptolegnia chapmanii
[Diptera: Culicidae]
Aedes aegypti 6718
Aedes albifasciatus 5499 7787
Culex 2682
Culex pipiens quinquefasciatus 2681
Mansonia titillans 2562 2680

Macrobiotophthora vermicola
[Rhabditida: Rhabditidae]
Cruznema lambdiense 650

Mariannaea elegans
[Diptera]
Unknown species 9455 9456

Mariannaea pruinosa
[Lepidoptera: Limacodidae]
Iragoides fasciata 5413

Mariannaea sp.
[Thysanoptera: Thripidae]
Unknown species 9932 9933 9934
Taeniothrips inconsequens 2930 3252 3257 3258 3261 3262 3263 3264 3265 3267 3268 3269 3270 3315 3316 3317 3549 3554 3555 3557 3558 3559 3562 3563 10150 10151 10152 10153 10185 10194 10204 10205

Massospora cicadina
[Homoptera: Cicadidae]
Magicicada septendecim 374

Metarhiziopsis microspora
[Homoptera: Diaspididae]
Fiorinia externa 8676 8984 8985 8986 8987 8988

Metarhizium sp.
[Coleoptera: Scarabaeidae]
Dermolepida albohirtum 7493
Rhopaea magnicornis 7495 8851 8852 8855 8856 8857
[Homoptera: Cicadellidae]
Unknown species 2353
[Lepidoptera: Pyralidae]
Galleria mellonella 4997 4998 4999 5000 5001 5076 5077
[Orthoptera: Catantopidae]
Calliptamus italicus 8699
[Orthoptera: Pyrgomorphidae]
Zonocerus variegatus 3615 3618

Metarhizium acridum
[Orthoptera: Acrididae]
Unknown species 5735
Austracris guttulosa 324 4605
Locusta migratoria capito 5736
Ornithacris cavroisi 3341 7486
Patanga succincta 3609
Schistocerca piceifrons 5747 5748 5750
[Orthoptera: Acrididae: Cyrtacanthacridinae]
Kraussaria angulifera 3612 6421
[Orthoptera: Pyrgomorphidae]
Zonocerus elegans 3391

Metarhizium album
[Homoptera: Cicadellidae]
Unknown species 2081
Cofana spectra 2082
Nephotettix virescens 1840 1941 1942 1943 2176 2178
Recilia dorsalis 2179

Metarhizium anisopliae
[Diptera]
Unknown species 9487

Metarhizium anisopliae sensu lato
[Acari: Ixodidae]
Boophilus 4556
[Araneida]
Unknown species 5851
[Coleoptera]
Unknown species 4290 4333 4334 4335 4336 4337 4338 4339 4340 4341 4557 4558 4572 4582
Haphochelus marginalis 3148
[Coleoptera: Bruchidae]
Unknown species 932 954
[Coleoptera: Carabidae]
Unknown species 939 1901
[Coleoptera: Cerambycidae]
Agrianome spinicollis 7498 7499 7500
Anoplophora glabripennis 6388 6389 7180
[Coleoptera: Chrysomelidae]
Brontispa longissima 8745 8746 8747
Cerotoma arcuata 760 2076 2077 2635 2941
Diabrotica 1885 2513
Diabrotica speciosa 1056 1958
[Coleoptera: Coccinellidae]
Coleomegilla maculata 808
[Coleoptera: Curculionidae]
Unknown species 8098 8099
Blosyrus asellus 9217 9218
Chalcodermus aeneus 725 929
Desiantha diversipes 8568 8569
Geraeus senilis 3305 3306 3308
Listronotus maculicollis 9374
Otiorhynchus ligustici 4819 4820 4821 4822 4823 4824
Otiorhynchus sulcatus 818 6549
Rhabdoscelus obscurus 8762 8828 8847
Sternechus subsignatus 1989
[Coleoptera: Elateridae]
Unknown species 8543 8544 8545 8546 8547 8548
Agriotes 6551 7494 7524
Agriotes sputator 1377
Conoderus 1903
Limonius canus 7000 7001 7002 7003 7004 7005 7006 7007 7008 7009
[Coleoptera: Scarabaeidae]
Unknown species 2163 3479 7527 7529
Adoryphorus coulonii 4137 4138 4141 4142 4239 4346 4677 4716 4722 7815
Amphimallon majale 9373
Anomola 8738 8739 8740 8741 8742 8743
Anoplognathus 8764
Anoplognathus hirsutus 4574 4779
Antitrogus consanguineus 8761
Antitrogus mussoni 7842 7865 7931
Antitrogus parvulus 7496 7819 7839 7854 7864 8832 8833 8834 8893
Aphodius tasmaniae 4125 4132 4133 4139 7845
Costelytra zealandica 3056 3057
Cyclocephala 8837 8838
Dasygnathus dejeani 8839
Dermolepida albohirtum 7452 7492 8744 8754 8755 10469
Heteronychus arator 7932 7933 7934 7935 7936 8549 8550 8551 8552 8553 8554 8555 8556 8557 8576 8848 8849
Heteronyx 7843 7844 8586
Heteronyx piceus 7451 8500 8558 8559 8582 8583 8592 8615 8616 8617 8618 8619 8620 8621
Heteronyx rugosipennis 8563 8564 8565 8566 8567 8577 8610
Lepidiota consobrina 7411 7827 7828 7846 8830 8831 8845 8850
Lepidiota frenchi 7829 7830 7831 8733
Lepidiota gibbifrons 7824 7825 7826
Lepidiota negatoria 7832
Lepidiota noxia 7504
Lepidiota picticollis 8501
Lepidiota squamulata 7816
Melolontha melolontha 7532
Oryctes 2156 2165 2166 2167
Pachnoda interrupta 6670 6671 6672 6673 6674 6675 6677 6678 6679 6680 6682 6683 6684 6685
Papuana 8748
Phyllopertha horticola 6901
Phyllophaga ?anxia 2135 2136 2137 2138 2139
Phyllophaga anxia 8499
Popillia japonica 1280 2548 3329 3330 3331 3332 3333 3334 3335 3336 3337 3338 3339 3340 3713 3720 4907 4908 9372
Rhopaea magnicornis 8492 8765 8766 8767 8829 8844
Rhopaea verreauxii 8495
Sericesthis micans 4568 4777 4778
Sericesthis nigrolineata 4780 7814 7863
Sericethis 4134 4236
[Coleoptera: Staphylinidae]
Unknown species 8734
[Coleoptera: Tenebrionidae]
Alphitobius diaperinus 5837 5841 5842 5848 5850
Tenebrio molitor 8775 8776 8777 8778 8779 8780 8781 8782 8783 8784 8785 8786 8787 8788 8789 8790 8791 8792 8793 8794 8795 8796 8797 8798 8799 8858 8859 8860 8861 8862 8863 8864 8865 8866 8867 8868 8869 8870 8871 8872 8873 8874 8875 8876 8877 8878 8879 8880 8881 8882 8883 8884 8885 8886 8887 8894 8895 8896 8897 8898 8899 8900 8901 8902 8903 8904 8905 8906 8907 8908 8909 8910 8911 8912 8913 8914 8915 8916 8941 8942 8943 8944 8945 8946 8947 8948 8949 8950 8951 8952 8953 8954 8955 9235 9236
Tribolium castaneum 3389 5624
[Diptera]
Unknown species 9939
[Diptera: Anthomyiidae]
Delia floralis 5520
[Diptera: Culicidae]
Ochlerotatus triseriatus 3827
[Diptera: Ephydridae]
?Hydrellia 2105
Scatella tenuicosta 8248 8249
[Diptera: Stratiomyidae]
Boreoides tasmaniensis 4600 4620
Inopus rubriceps 7840 7841 7855 7856 7857 7858 7859 7860 7861 7914 7915 7916 7917 7918 7919 7920 7926 8497
[Hemiptera: Pentatomidae]
Nezara viridula 1055
Scotinophara coarctata 1432 1548 2341 2342 2343
Tibraca limbativentres 1882 1883 2212 2213 2214
[Homoptera]
Unknown species 4901 4902
[Homoptera: Adelgidae]
Adelges tsugae 9590
[Homoptera: Aphididae]
Diuraphis noxia 3822
Pemphigus trehernei 6570
[Homoptera: Cercopidae]
Unknown species 1282 1299 1379 1382 1890 1891 1895 1899 1902 1911 3147 3307 7474 7475 7476 8376 8498 8527
Aeneolamia varia 6319 6342 6343 6345 6346
Deois 2521
Deois flavopicta 729 759 782 925 955 1970
Deois incompleta 1449
Kanaima fluvialis 8377
Mahanarva posticata 1896 1898
Mahanarva sp. 6321 6322
Zulia carbonaria 6457 6468
Zulia colombiana 6356
Zulia pubescens 6323
[Homoptera: Cicadellidae]
Recilia dorsalis 543
[Homoptera: Cicadidae]
Unknown species 4095
[Homoptera: Delphacidae]
Nilaparvata lugens 456 457 485 486 487 488 489 1284 1285 1286 1290 1300 1304 1726 1727 1728 1744 1745 1823 2038 2039
[Homoptera: Pseudococcidae]
Paracoccus marginatus 9612 9613
[Hymenoptera: Encyrtidae]
Anagyrus 3146
[Hymenoptera: Formicidae]
Atta 2510
Myrmica rubra 7059 7535 7537 7538
Myrmica scabrinodis 7536
[Isoptera]
Unknown species 2949 2951
[Isoptera: Kalotermitidae]
Cryptotermes brevis 7927 7928 7930
Neotermes 8731

[Isoptera: Mastotermitidae]
Mastotermes 7506
Mastotermes darwiniensis 8581 8584 8585 8587 8588 8589
[Isoptera: Rhinotermitidae]
Coptotermes 8063 8089 8092 8093
Coptotermes acinaciformis 8064 8081 8087 8088
Coptotermes formosanus 6909 6910 6911 8015
Coptotermes frenchi 8067
Coptotermes lacteus 8059 8072 8073 8074 8094 8095 8231 8232 8233 8234 8235 8236 8502 8503 8504 8505 8506 8507 8508 8509 8510 8511 8512 8513 8514 8515 8516 8517 8518 8531 8532 8533 8534 8535 8536 8537 8538 8539 8540 8541 8542 8575
[Isoptera: Termitidae]
Drepanotermes perniger 8062
Microcerotermes 8590 8591
Nasutitermes exitiosus 8060 8061 8068 8069 8070 8071 8075 8080 8082 8083 8084 8085 8086 8090 8091 8097 8100 8229 8230 8570
[Lepidoptera]
Unknown species 1094 2424 9541
[Lepidoptera: Crambidae]
Unknown species 3064
[Lepidoptera: Hepialidae]
Oncopera alboguttata 7820 7821 7822 7823
Oncopera intrucata 4234
Wiseana sp. 4681
[Lepidoptera: Lasiocampidae]
Malacosoma disstria 6167
[Lepidoptera: Noctuidae]
Spodoptera 8735
Spodoptera frugiperda 3293
[Lepidoptera: Nymphalidae]
Chlosyne lacinia saundersii 1059
[Lepidoptera: Plutellidae]
Plutella xylostella 4522
[Lepidoptera: Pyralidae]
Diatraea saccharalis 3290 3291 3292
Eoreuma loftini 5469
Galleria mellonella 4904 4905 4906 5369 5513 5514 5515 5516 5517 5518 5519 5521 5554 5555 5556 6475 6558 7014 7015 7016 7017 7018 7019 7020 7021 7022 7023 7024 7025 7026 7569 7570 7571 7572 7573 7612 7613 7614 7615 7847 7967 8212 8334 8335 8336 8338 8341 8342 8344 8346 8347 8350 8351 8352 8353 8432 8433 8434 8435 8436 8437 8438 8440 8443 8445 8446 8447 8450 8451 8452 8453 8454 8560 8660 8662 8665 8669 8680 8681 8682 8683 8684 8685 8686 8687 8688 8689 8690 8691 8692 8769
[Orthoptera]
Unknown species 728 6237
[Orthoptera: Acrididae]
Unknown species 8608 8609
Acrotylus 3605
Oxya multidentata 3619
Phaulacridium vittatum 7862
Schistocerca gregaria 3127 5628
Schistocerca piceifrons 5746 5749 5752
[Orthoptera: Catantopidae]
Calliptamus italicus 8696 8698 8701 8702
[Orthoptera: Gryllidae]
Teleogryllus commodus 435 438 440 441 442 445 7489 7490 8760 8841 8842
[Phasmatodea: Phasmatidae]
Unknown species 6236
[Primates: Hominidae]
Homo sapiens 8759
[Thysanoptera: Thripidae]
Frankliniella occidentalis 9591
Taeniothrips inconsequens 10135 10136 10137

Metarhizium anisopliae sensu stricto
[Coleoptera: Chrysomelidae]
Brontispa longissima 2223
[Coleoptera: Curculionidae]
Otiorhynchus sulcatus 6546
[Coleoptera: Elateridae]
Conoderus 2518
[Coleoptera: Scarabaeidae]
Heteronyx piceus 7450
Holotrichia consanguinea 10475
Holotrichia serrata 10472 10476
Phyllophaga cuyabana 3924
[Diptera: Stratiomyidae]
Unknown species 7418 7419 7423 7426 7427 7428
[Hemiptera: Pentatomidae]
Unknown species 755
[Homoptera: Cercopidae]
Unknown species 1045 1912
Aeneolamia varia 798 3621 6347
Deois flavopicta 1044 1900 2517
Mahanarva fimbriolata 7979 7981
Mahanarva posticata 1894 2627 7980
Zulia pubescens 6317 6318
[Homoptera: Cicadellidae]
Nephotettix virescens 2153
[Homoptera: Delphacidae]
Nilaparvata lugens 2080 2421
[Isoptera: Mastotermitidae]
Mastotermes darwiniensis 7430
[Isoptera: Rhinotermitidae]
Coptotermes lacteus 7432
[Lepidoptera: Noctuidae]
Helicoverpa zea 1080
Mocis 587
Spodoptera litura 10473
[Lepidoptera: Pyralidae]
Eoreuma loftini 5471
Ostrinia nubilalis 1489
[Orthoptera: Acrididae]
Schistocerca gregaria 7487
[Orthoptera: Gryllotalpidae]
Unknown species 2786

Metarhizium anisopliae var. acridum
[Orthoptera: Acrididae]
Unknown species 5734
Austracris guttulosa 7970 8359
[Orthoptera: Acrididae: Cyrtacanthacridinae]
Kraussaria angulifera 3614
[Orthoptera: Pyrgomorphidae]
Zonocerus variegatus 3606

Metarhizium anisopliae var. anisopliae
[Diptera: Syrphidae]
Eumerus strigatus 6550

Metarhizium anisopliae var. lepidiotae
[Coleoptera: Scarabaeidae]
Dermolepida albohirtum 7453
Lepidiota consobrina 8732

Metarhizium anisopliae var. majus
[Coleoptera: Scarabaeidae]
Oryctes rhinoceros 2151 3145
Xyloryctes jamaicensis 297 298
[Lepidoptera: Noctuidae]
Spodoptera 8736

Metarhizium brunneum
[Acari: Ixodidae]
Boophilus 3297
[Coleoptera: Cerambycidae]
Anoplophora glabripennis 6392 7234 8415 8416 8417 8418 8419
[Coleoptera: Curculionidae]
Unknown species 2210 2224
Otiorhynchus sulcatus 817 820 4228 5198
Sitona lineatus 4020
[Coleoptera: Elateridae]
Agriotes 2107
[Coleoptera: Scarabaeidae]
Unknown species 472
Aphodius tasmaniae 346 4131
Diloboderus abderus 6120
Melolontha melolontha 1066
Phyllopertha horticola 6477
Popillia japonica 3864
[Coleoptera: Tenebrionidae]
Tenebrio molitor 5626
Tribolium castaneum 5625
[Diptera: Culicidae]
Aedes crinifer 2974
Ochlerotatus triseriatus 3826
[Homoptera: Delphacidae]
Nilaparvata lugens 455
[Hymenoptera: Formicidae]
Solenopsis invicta 3738
[Isoptera: Rhinotermitidae]
Coptotermes formosanus 3045
[Lepidoptera: Bombycidae]
Bombyx mori 988
[Lepidoptera: Hepialidae]
Oxycanus 1187
[Lepidoptera: Lyonetiidae]
Leucoptera scitella 1116
[Lepidoptera: Noctuidae]
Anticarsia gemmatalis 3295

Spodoptera frugiperda 3294
[Lepidoptera: Olethreutidae]
Carpocapsa pomonella 1095
[Lepidoptera: Pyralidae]
Galleria mellonella 6474 8671
[Lepidoptera: Tortricidae]
Lobesia botrana 1112
[Orthoptera: Acrididae]
Schistocerca piceifrons 5751

Metarhizium flavoviride
[Coleoptera: Curculionidae]
Otiorhynchus sulcatus 2024
[Coleoptera: Scarabaeidae]
Lachnosterna bidentata 8737
[Orthoptera: Acrididae]
Chortoicetes terminifera 8758

Metarhizium flavoviride 'Type E'
[Homoptera: Cicadellidae]
Unknown species 2948

Metarhizium flavoviride var. flavoviride
[Coleoptera: Curculionidae]
Otiorhynchus sulcatus 1184
[Coleoptera: Scarabaeidae]
Adoryphorus coulonii 4719 4720

Metarhizium flavoviride var. minus
[Homoptera: Cicadellidae]
Unknown species 2339
Nephotettix virescens 1945
Recilia dorsalis 1546 1547
[Homoptera: Delphacidae]
Nilaparvata lugens 1099 1271 1272 1273 1274 1275 1276 1277 1279 1283 1287 1288 1289 1291 1292 1293 1294 1295 1296 1297 1301 1302 1303 1305 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 2037
[Orthoptera: Acrididae]
Unknown species 2023

Metarhizium flavoviride var. novazealandicum
[Lepidoptera: Crambidae]
Unknown species 8214

Metarhizium flavoviride var. pemphigum
[Homoptera: Aphididae]
Pemphigus 7491
Pemphigus trehernei 6569
[Isoptera: Rhinotermitidae]
Reticulitermes flavipes 9358

Metarhizium frigidum
[Coleoptera: Scarabaeidae]
Adoryphorus 4124
[Isoptera: Rhinotermitidae]
Coptotermes lacteus 7436 7437 7438 7439 7440 7441 7442 7443 7444 7445 7446 7447 7448

Metarhizium globosum
[Lepidoptera: Pyralidae]
Pyrausta machaeralis 2596

Metarhizium guizhouense
[Coleoptera: Curculionidae]
Myllocerus discolor 3603
Sitona discoideus 819
[Coleoptera: Scarabaeidae]
Unknown species 683
Melolontha melolontha 977
Papuana woodlarkiana 4604
[Diptera: Stratiomyidae]
Unknown species 7420
[Lepidoptera]
Unknown species 6238
[Lepidoptera: Bombycidae]
Bombyx mori 703
[Lepidoptera: Noctuidae]
Unknown species 2140
[Orthoptera: Acrididae]
Pseudosphingonotus savignyi 3611

Metarhizium lepidiotae
[Coleoptera: Scarabaeidae]
Dermolepida albohirtum 7488
Lepidiota consobrina 7412

Metarhizium majus
[Coleoptera: Scarabaeidae]
Unknown species 1858 1859
Anoplognathus 4566 4601 7505
Oryctes 1914
Oryctes rhinoceros 978 1946
[Lepidoptera: Bombycidae]
Bombyx mori 1015

Metarhizium pingshaense
[Coleoptera]
Unknown species 3210 4342 4610
[Coleoptera: Cerambycidae]
Anoplophora glabripennis 8420
[Coleoptera: Chrysomelidae]
Zygogramma bicolorata 2231
[Coleoptera: Curculionidae]
Diaprepes abbreviata 5197
[Coleoptera: Scarabaeidae]
Unknown species 2162
Antitrogus mussoni 7417
Antitrogus parvulus 7410
Costelytra zealandica 7435
Oryctes rhinoceros 538
Scapanes australis 3604
[Diptera: Stratiomyidae]
Unknown species 7414 7421 7422 7425 7429
[Hemiptera: Cydnidae]
Scaptores castanea 1448
[Hemiptera: Pentatomidae]
Scotinophara coarctata 1545
[Homoptera: Cicadellidae]
Nephotettix cincticeps 2043
Nephotettix virescens 2106
[Homoptera: Delphacidae]
Nilaparvata lugens 576 1724 1725 1729
[Isoptera: Kalotermitidae]
Cryptotermes brevis 7929
[Isoptera: Rhinotermitidae]
Coptotermes lacteus 7431
[Lepidoptera]
Galactica 552
[Lepidoptera: Noctuidae]
Spodoptera 2735
[Orthoptera: Acrididae]
Phaulacridium vittatum 7415 7416
Pseudosphingonotus savignyi 3610
[Orthoptera: Gryllidae]
Ornebius kanetataki 1009
Teleogryllus commodus 436 437 439 443 444 446

Metarhizium robertsii
[Coleoptera: Carabidae]
Unknown species 2469
[Coleoptera: Cerambycidae]
Dectes texanus 6472
[Coleoptera: Chrysomelidae]
Cerotoma arcuata 724
Diabrotica 2514
[Coleoptera: Curculionidae]
Curculio caryae 2575 3608
Listronotus oregonensis 2981
Otiorhynchus sulcatus 1910
[Coleoptera: Elateridae]
Conoderus 23 1897
[Coleoptera: Scarabaeidae]
Ancognatha scarabaeoides 797
Heteronychus arator 7424
Heteronyx 7449
Phyllophaga ?anxia 2134
Popillia japonica 1046 1298 1878 3721 5149
Rhizotrogus majalis 2547 3108 3211 4123
Strigoderma arboricola 1968
[Coleoptera: Tenebrionidae]
Tribolium castaneum 3388
[Hemiptera: Cydnidae]
?Cirtonemus 1952
[Homoptera: Cicadidae]
Unknown species 3925
[Hymenoptera: Formicidae]
Atta sexdens rubropilosa 2560
Solenopsis 2561
[Isoptera: Kalotermitidae]
Kalotermes 7413
[Isoptera: Rhinotermitidae]
Reticulitermes flavipes 9607
[Lepidoptera: Nymphalidae]
Chlosyne lacinia saundersii 1057
[Lepidoptera: Plutellidae]
Plutella xylostella 5873
[Lepidoptera: Pyralidae]
Galleria mellonella 4903 6476
[Orthoptera: Tettigoniidae]
Unknown species 727

Microhilum oncoperae
[Lepidoptera: Hepialidae]
Oncopera intricata 4358 4769 4770 4771

Mixed Culture sp.
[Coleoptera: Chrysomelidae]
Pyrrhalta fuscipennis 1043
[Coleoptera: Lampyridae]
Unknown species 5188
[Coleoptera: Scarabaeidae]
Holotrichia parallela 4387
[Homoptera: Aleyrodidae]
Bemisia tabaci 4066
Trialeurodes vaporariorum 4403
[Lepidoptera: Pyralidae]
Corcyra cephalonica 2738

Monacrosporium cionopagum
[Tylenchida: Heteroderidae]
Meloidogyne hapla 4966

Monacrosporium ellipsosporum
[Tylenchida: Heteroderidae]
Meloidogyne hapla 4957 4959

Mortierella histoplasmatoides
[Lepidoptera: Lymantriidae]
Lymantria dispar 2063

Mortierella hyalina
[Lepidoptera: Lymantriidae]
Lymantria dispar 2061

Mucor circinelloides
[Coleoptera: Cerambycidae]
Anoplophora glabripennis 6470

Mucor sp.
[Homoptera: Cercopidae]
Zulia vilior costarricensis 3535

Myriangium sp.
[Homoptera: Adelgidae]
Adelges tsugae 9915 9916 9917 9918 9919

Myriangium duriaei
[Homoptera: Diaspididae]
Fiorinia externa 8924 8925

Myriodontium keratinophilum
[Isopoda: Oniscoidea]
Porcellio 368 386

Myrothecium sp.
[Isoptera: Termitidae]
Nasutitermes acajutlae 7804

Myrothecium verrucaria
[Diptera: Tipulidae]
Tipula 9359

Nematoctonus sp.
[Rhabditida: Rhabditidae]
Bunonema 5663

Neobarya parasitica
[Sordariales: Nitschkiaceae]
Bertia moriformis 6156

Neozygites sp.
[Acari: Tetranychidae]
Tetranychus urticae 662

Neozygites floridana(?)
[Acari: Tetranychidae]
Mononychellus tanajoa 6219 6220 6221
Tetranychus urticae 5201 5202 5376

Neozygites parvispora
[Thysanoptera: Thripidae]
Thrips tabaci 5620 5621

Neozygites tetranychi
[Acari: Tetranychidae]
Tetranychus althaeae 2677

Nomuraea sp.
[Lepidoptera: Noctuidae]
Helicoverpa armigera 2413

Nomuraea atypicola
[Araneida]
Unknown species 9594
[Araneida: ?Argiopidae]
Unknown species 1904
[Araneida: Tetragnathidae]
Nephila clavipes 7231

Nomuraea cylindrospora
[Homoptera: Cicadidae]
Pomponia linearis 6926

Nomuraea rileyi
[Homoptera: Delphacidae]
Sogatella furcifera 558
[Lepidoptera]
Unknown species 936 1879 1893
[Lepidoptera: Bombycidae]
Bombyx mori 711
[Lepidoptera: Lymantriidae]
Lymantria 481 482 483
[Lepidoptera: Noctuidae]
Unknown species 135 6875 9489 9490
Alabama argillacea 7148
Anticarsia gemmatalis 1950 2013 2201 2202 2203 2204 2205 2207 2465 2466 2492 3940 5208 5209 5210 5211 5212 6732 6734 6736 6737 6738 6739 6740 6741 6742 6743 6744 6745 6746 6747 6748 6749 6764 6765 6766 6767 6775 6776 6777 6778 6779 6780 6782 6783 6784 6786 6787 6868 6869 6870 6872 6873 6874 6876 6877 6878 7052 7053 7054 7055 7056 7149 7150 7151 7479 7480 7481 7482 7484 7778 7779 7780
Helicoverpa armigera 6239
Mocis frugalis 1762
Naranga 2345
Plathypena scabra 762 6871 6881
Plusia 1047
Plusiinae 6781 6785 6879
Prodenia litura 1014
Pseudoplusia includens 6866 6882
Rachiplusia nu 2206
Rivula atimeta 1756 1757 1758 1759 1760 2395
Spodoptera 323 358 380 935 6867
Spodoptera exigua 539
Spodoptera frugiperda 1972 3301 4094 6735 6768 6769 6770 6771 6772 6773 6774
Spodoptera litura 6645
[Lepidoptera: Pyralidae]
Cnaphalocrocis medinalis 1761 2174

Nomuraea viridulus
[Homoptera: Cicadidae]
Cryptotympana facialis 6927

Ophiocordyceps aphodii
[Coleoptera: Scarabaeidae]
Aphodius howitti 5498

Ophiocordyceps bisporus
[Isoptera: Termitidae]
Unknown species 3888
Macrotermes 4518 4843

Ophiocordyceps heteropoda
[Homoptera: Cicadidae]
Cicadetta puer 1880

Ophiocordyceps variabilis
[Diptera: Xylophagidae]
Unknown species 4080
Xylophagus sp. 5365 5366 5367 5414 5415 5416 5417 5418 5419 5420 5421 5422 5423 5424 5425 5426 5427 5428 5429

Ostracoderma sp.
[Taxales: Taxaceae]
Taxus sp. 5163

Paecilomyces sp.
[Araneida]
Unknown species 2354
[Araneida: Araneae]
Unknown species 5181 5183 5190
[Coleoptera: Curculionidae]
Unknown species 5184 5193
[Diptera]
Unknown species 2350 2378
[Diptera: Drosophilidae]
Unknown species 3768
[Hemiptera: Pentatomidae]
Unknown species 7075
Nezara viridula 3101
[Homoptera: Adelgidae]
Adelges tsugae 5179 5180
[Homoptera: Aleyrodidae]
Bemisia argentifolii 5160
Bemisia tabaci 3772 3774 3775 3777 3780 3781 3782 3783 3784 3785 3786 3787 3788 3870 3871 3872 3873 3874 3875 3877 4985 4986 4987 4988 4989 5091 5092 5093 5094 5095 5096 5097 5098 5099 5100 5101 5102 5103 5104 5105 5106 5108 5109 5110 5111 5112 5114
[Homoptera: Cicadellidae]
Recilia dorsalis 680
[Homoptera: Psyllidae]
Diaphorina citri 8316
[Hymenoptera]
Unknown species 8007 8008

[Hymenoptera: Tenthredinoidea]
Unknown species 6883
[Isoptera: Termitidae]
Nasutitermes acajutlae 7800 7801 7803
[Lepidoptera]
Unknown species 7995 8001
[Lepidoptera: Limacodidae]
Natada michonta 2616 2617 2618
[Lepidoptera: Noctuidae]
Sesamia inferens 1008
[Lepidoptera: Tortricidae]
Cydia pomonella 6193 6198
Epiphyas postvittana 309
[Opiliones]
Unknown species 5192

Paecilomyces canadensis
[Coleoptera: Scarabaeidae]
Heptophylla picea 984
[Lepidoptera: Lasiocampidae]
Gastropacha orientalis 990

Paecilomyces crustaceus(?)
[Homoptera: Cercopidae]
Zulia carbonaria 6462 6467

Paecilomyces lilacinus(?)
[Homoptera: Cercopidae]
Zulia carbonaria 6458

Paecilomyces marquandii
[Thysanoptera: Thripidae]
Unknown species 9928 9929

Paecilomyces reniformis
[Orthoptera: Tettigoniidae]
Unknown species 429 484 577 7040 7041

Paecilomyces sinensis
[Lepidoptera: Hepialidae]
Unknown species 6284 6285

Pandora sp.
[Diptera]
Unknown species 5812
[Lepidoptera: Plutellidae]
Plutella xylostella 3201

Pandora blunckii
[Coleoptera: Elateridae]
Athalia rosae 915 917 920 1715 1716 1717 1718
[Lepidoptera: Plutellidae]
Plutella 3075
Plutella maculipennis 217
Plutella xylostella 1000 2824 3200 3202 6293 6294 6295 6296 6297 6298 6299 6300 6301 6302 6304 6305 6306 6307 6308 6309 6310 6311 6312 6316

Pandora delphacis
[Hemiptera: Miridae]
Unknown species 3062
[Homoptera: Cicadellidae]
Unknown species 1238 1936
Empoasca fabae 3072 3093 3094 3095 3096 3106 3107
Nephotettix cincticeps 458 459 460 461 478
Recilia dorsalis 659 660
[Homoptera: Delphacidae]
Nilaparvata lugens 134 575 579 580 657 664 665 666 667 668 669 670 672 673 674 676 682 686 698 713 716 1124 1132 1133 1264 1268 1730 1731 2091
Sogatella furcifera 593 603 2092 2093 2095 2096 2409 6538 6539
Sogatodes pusanus 2094
[Homoptera: Membracidae]
Spissistilus festinus 2028 3484
[Lepidoptera: Noctuidae]
Mamestra brassicae 1265

Pandora dipterigena
[Diptera]
Unknown species 131 1720 1921 1923
[Diptera: ?Sciaridae]
Unknown species 1887
[Diptera: Brachycera]
Unknown species 1422
[Diptera: Nematocera]
Unknown species 397
[Trichoptera]
Unknown species 2406

Pandora heteropterae
[Hemiptera: Miridae]
Lygus lineolaris 9266

Pandora kondoiensis
[Homoptera: Aphididae]
Acyrthosiphon kondoi 369 825 828 836 837

Pandora neoaphidis
[Hemiptera: Miridae]
Lygus 1570
[Homoptera: Aphididae]
Unknown species 78 381 1695 1696 2016 2298 6902
Acyrthosiphon pisum 827 830 838 1598 1603 1605 1609 2017 2018 2583 2584 2585 2587 2588 2589 2591 2592 2593 2594 2754 2755 2756 2757 2758 2760 2761 2762 2763 2766 2767 2768 2769 2773 2781 2782 2783 2784 2837 2838 2839 2840 2842 2844 2845 2846 2847 2848 2851 2852 2853 2854 2855 2856 2865 2866 2867 2868 2870 2872 2873 3234 3237 3240 4934 6631 7937
Aphidula 1610 1615
Aphis 128 3410
Aphis fabae 608 609 610 611 612 613 614 636 637 638 639 1606 1611 1981 1985 2019 2020 3238 3241 5995
Aphis glycines 7212 7213 7214 7226 8607
Brevicoryne brassicae 1613 1616 1617 1784 1785 1786 1824 1825 1826 1827 2108 2109 2110 2112 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2128 2280 2293 5371 5372 5373 5374
Dactynotus formosanus 1137
Diuraphis noxia 3081 3082 3126 3174 3175
Hyalopterus pruni 1596
Hyperomyzus lactucae 829 833 835
Macrosiphum 1607 1612
Macrosiphum akebiae 1134
Macrosiphum euphorbiae 181
Macrosiphum rosae 1986 1987
Metopolophium dirhodum 2874 2875 2876 3365 3367 5707 5708
Microlophium carnosum 7938
Myzus 1601 1602
Myzus nicotinae 3411 3412 3459
Myzus persicae 1600 2085 2086 3248 3249 3250 3251
Schizaphis graminum 3366
Sitobion 1597 1604
Sitobion avenae 5403 6166
Uroleucon formosanus 993

Pandora nouryi
[Homoptera: Aphididae]
Unknown species 199
Acyrthosiphon kondoi 362
Lipaphis erysimi 8930 8931
Therioaphis maculata 366

Paraisaria dubia
[Coleoptera: Scarabaeidae: Melolonthinae]
Antitrogus rugulosus 5764

Penicillium sp.
[Acari: Ixodidae]
Ixodes scapularis 5733 6603
[Acari: Tetranychidae]
Tetranychus urticae 7974
[Coleoptera: Curculionidae]
Anthonomus musculus 3036
Chalcodermus bimaculatus 2950
[Diptera: Drosophilidae]
Drosophila 7976
[Homoptera: Cercopidae]
Zulia colombiana 6357 6359
[Homoptera: Ortheziidae]
Orthezia praelonga 2643
[Hymenoptera: Vespidae]
Vespula germanica 4148
[Lepidoptera: Hepialidae]
Oncopera alboguttata 4263
[Lepidoptera: Lymantriidae]
Lymantria dispar 2834 2836
[Orthoptera: Acrididae]
Hieroglyphus banian 5335

Penicillium sumatrense
[Hymenoptera: Formicidae]
Camponotus 7099

Penicillium thomii
[Lepidoptera: Lymantriidae]
Lymantria dispar 2056

Phialophora malorum
[Lepidoptera: Lymantriidae]
Lymantria dispar 2072

Phoma sp.
[Homoptera: Adelgidae]
Adelges tsugae 9920 9923

Phoma cava
[Lepidoptera: Lymantriidae]
Lymantria dispar 2071

Pochonia sp.
[Bdelloida: Habrotrochidae]
Habrotrocha elusa elusa 10261

Pochonia bulbillosa(?)
[Coleoptera: Curculionidae]
Anthonomus musculus 3035

Pochonia chlamydosporia
[Coleoptera: Scarabaeidae]
Unknown species 3314

Pochonia chlamydosporia var. chlamydosporia
[Coleoptera: Lagriidae]
Lagria vilosa 2218

Pochonia suchlasporia var. catenata
[Lepidoptera: Lymantriidae]
Lymantria dispar 2064

Polycephalomyces sp.
[Coleoptera]
Unknown species 9496
[Coleoptera: Carabidae]
Unknown species 9497

Polycephalomyces formosus
[Coleoptera: Carabidae]
Calosoma 1424

Polycephalomyces ramosus
[Hemiptera: Pentatomidae]
Unknown species 4858
[Lepidoptera]
Unknown species 7095

Polycephalomyces tomentosus
[Trichiales: Trichiaceae]
Hemitrichia serpula 5353

Pseudogibellula formicarum
[Homoptera: Cercopidae]
Unknown species 2913
[Homoptera: Flatidae ?]
Unknown species 5765 5766

Pseudomeria mucosa
[Bdelloida: Adinetidae]
Adineta 10262 10272
[Bdelloida: Habrotrochidae]
Habrotrocha elusa 8993 9383

Purpureocillium lilacinum
[Araneida]
Unknown species 9528
[Coleoptera: Chrysomelidae]
Cerotoma 1951
[Coleoptera: Curculionidae]
Diaprepes abbreviata 410
[Coleoptera: Elateridae]
Unknown species 9524
[Coleoptera: Lagriidae]
Lagria vilosa 723 2952
[Coleoptera: Scarabaeidae]
Unknown species 6110
Popillia japonica 9371
[Coleoptera: Scolytidae]
Hypothenemus hampei 5876 5877 5880 5882 6188 6190
[Coleoptera: Tenebrionidae]
Tenebrio molitor 8918 8919 8920 8921 8922
[Hemiptera: Pentatomidae]
Unknown species 531
Edessa meditabunda 10225
Scotinophara coarctata 763
Tibraca limbativentres 2215
[Hemiptera: Reduviidae]
Triatoma infestans 7478
[Hemiptera: Scutelleridae]
Eurygaster 6018 6021 6024 6026 6080 6081 6082 6084 6094 6114 6116 6117 6494 6502
[Homoptera]
Unknown species 9604
[Homoptera: Aleyrodidae]
Singhiella simplex 9610
Trialeurodes vaporariorum 3846
[Homoptera: Aphididae]
Diuraphis noxia 6985
[Homoptera: Cercopidae]
Deois flavopicta 2078 3481
Zulia pubescens 6340
[Homoptera: Cicadellidae]
Unknown species 9523
[Homoptera: Cicadidae]
Unknown species 6247
[Hymenoptera: Formicidae]
Anoplolepsis longipes 2155
Pogonomyrmex occidentalis 7545 7546 7547 7548
[Isoptera: Termitidae]
Nasutitermes corniger 8456
[Lepidoptera: Bombycidae]
Bombyx mori 986
[Lepidoptera: Nymphalidae]
Chlosyne lacinia saundersii 1058
Opsiphanes cassinae 5805
[Lepidoptera: Plutellidae]
Plutella xylostella 6183 6197
[Lepidoptera: Pyralidae]
Galleria mellonella 8311 8312
[Tylenchida: Heteroderidae]
Meloidogyne 2181 2182 2183 2184 2185 2186 2233

Ramicandelaber longisporus
[Tylenchida: Heteroderidae]
Heterodera glycines 6175 6176

Rhinocladiella(?) sp.
[Homoptera: Adelgidae]
Adelges tsugae 9365 9922

Rotiferophthora sp.
[Bdelloida: Adinetidae]
Adineta 9544 10266
[Bdelloida: Habrotrochidae]
Habrotrocha 9545 9546 10265
Habrotrocha elusa elusa 9542 9543 10263 10264

Rotiferophthora angustispora
[Bdelloida: Habrotrochidae]
Habrotrocha elusa 8991
[Trichoptera]
Unknown species 9498

Rotiferophthora barronii
[Bdelloida: Adinetidae]
Adineta 10267

Rotiferophthora cylindrospora
[Bdelloida: Habrotrochidae]
Habrotrocha 9547 9548
Habrotrocha elusa elusa 8992 10273

Rotiferophthora denticulospora
[Bdelloida: Habrotrochidae]
Habrotrocha 9549

Rotiferophthora globospora
[Bdelloida: Adinetidae]
Adineta 10268

Rotiferophthora guttulaspora
[Bdelloida: Habrotrochidae]
Habrotrocha elusa 10269

Rotiferophthora intermedia
[Bdelloida: Habrotrochidae]
Habrotrocha elusa 10270

Rotiferophthora ovispora
[Bdelloida: Habrotrochidae]
Habrotrocha elusa elusa 10274

Saprolegnia sp.
[Diptera: Chironomidae]
Unknown species 6427
[Diptera: Simuliidae]
Unknown species 179 180

Schizangiella sp.
[Squamata: Colubridae]
Elaphe 2237 2239

Schizangiella serpentis
[Squamata: Colubridae]
Elaphe obsoleta 8000 8047
[Squamata: Viperidae]
Crotalus horridus 203

Scopulariopsis sp.
[Coleoptera: Cerambycidae]
Anoplophora glabripennis 8421
[Coleoptera: Chrysomelidae]
Leptinotarsa decemlineata 2327
[Coleoptera: Curculionidae]
Unknown species 2169
[Diptera: Calliphoridae]
Lucilia illustris 2328
[Hemiptera: Pentatomidae]
Halyomorpha halys 10309 10310
[Homoptera: Adelgidae]
Adelges tsugae 5164
[Homoptera: Aleyrodidae]
Bemisia tabaci 8825 8826 8827
[Lepidoptera: Lymantriidae]
Lymantria dispar 2255
[Lepidoptera: Plutellidae]
Plutella xylostella 3203

Scopulariopsis brevicaulis
[Lepidoptera: Pyralidae]
Galleria mellonella 9943

Septobasidium carestianum
[Homoptera: spf. Coccoidea]
Unknown species 6473

Simplicillium sp.
[Homoptera: Aleyrodidae]
Bemisia tabaci 6584

Simplicillium lamellicola
[Acari: Oribatidae]
Unknown species 1367
[Coleoptera: Carabidae]
Carabus 9479
[Diptera: Muscidae]
Unknown species 9480
[Homoptera: Aleyrodidae]
Unknown species 9481
[Orthoptera: Acrididae]
Aiolopus longicornis 6448

Simplicillium lanosoniveum
[Diptera: Culicidae]
Unknown species 8822
[Hemiptera: Tingidae]
Leptopharsa heveae 6430 6431 6432 6636 6637 6642
[Homoptera: Coccidae]
Parthenolecanium corni 7623

Smittium sp.
[Diptera]
Unknown species 9051 9065 9088 9265
[Diptera: Chironomidae]
Unknown species 9034 9087 9145
Orthocladius 9121 9146
Polypedilum 9120
Psectrocladius limbatellus 9050
Pseudokiefferiella 9147
Tanytarsus 9035
[Diptera: Culicidae]
Unknown species 9038 9079 9081 9148
[Diptera: Tipulidae]
Unknown species 9086
[Plecoptera: Gripopterygidae]
Unknown species 9119

Smittium acutum
[Diptera: Chironomidae]
Unknown species 9092

Smittium angustum
[Diptera: Chironomidae]
Tanytarsus 9241

Smittium annulatum
[Diptera: Simuliidae]
Unknown species 9242

Smittium caudatum
[Diptera: Chironomidae]
Unknown species 9000 9261

Smittium coloradense
[Diptera: Chironomidae]
Cricotopus 9001
Orthocladius 9002

Smittium commune
[Diptera: Chironomidae]
Unknown species 9085
Microtendipes 9243 9244 9245

Smittium culicis
[Diptera]
Unknown species 9059
[Diptera: Chironomidae]
Unknown species 9011 9127 9129
Chironomus 9003 9045 9046 9142
Corynoneura 9007 9093
Tanytarsus 9125
[Diptera: Culicidae]
Unknown species 9010 9031 9057 9073 9123 9140 9141
Aedes albifasciatus 5432 9004
Aedes sticticus 9009 9130
Culex 9128 9149
Culex pervigilans 9074
Culex renatoi 5431
[Diptera: Simuliidae]
Prosimulium 9126
Simulium vittatum 9008
[Diptera: Thaumaleidae]
Unknown species 9084 9124
Austrothaumalea 9005 9041
[Diptera: Tipulidae]
Unknown species 9091
Dactylolabis montana 9143
Limonia 9006 9040

Smittium culicisoides
[Diptera: Chironomidae]
Unknown species 9044

Smittium culisetae
[Diptera: Ceratopogonidae]
Dasyhelea 9097
[Diptera: Chironomidae]
Unknown species 9132
Chironomus alternans 9025
Orthocladius 9114
[Diptera: Culicidae]
Unknown species 9015 9024 9026 9058 9071 9075 9098 9109 9110 9111 9113 9247
Aedes albopictus 9013 9014 9047 9099 9100 9101 9104 9105 9106
Aedes crinifer 5200 9094
Aedes vexans 9016 9017 9102 9103 9246
Culex 9048 9107 9108
Culex dolosus 5430 9131
Culex restuans 9056
Culiseta 9062 9115 9133
Culiseta impatiens 9012
Culiseta incidens 9095
Ochlerotatus japonicus 9039 9069
[Diptera: Simuliidae]
Simulium vittatum 6810 9018 9032 9096 9112

Smittium cylindrosporum
[Diptera: Chironomidae]
Cricotopus 9116 9248 9249

Smittium dipterorum
[Diptera: Chironomidae]
Chironomus 9250
[Diptera: Simuliidae]
Simulium 9263

Smittium elongatum
[Diptera: Chironomidae]
Unknown species 9251

Smittium fecundum
[Diptera: Chironomidae]
Psectrocladius 9022 9083

Smittium gravimetallum
[Diptera: Chironomidae]
Dicrotendipes fumidus 9029 9036 9264

Smittium imitatum
[Diptera: Simuliidae]
Simulium 9033

Smittium lentaquaticum
[Diptera: Chironomidae]
Chironomus 9068 9253
[Diptera: Culicidae]
Unknown species 9082

Smittium megazygosporum
[Diptera: Simuliidae]
Simulium vittatum 6275 9037

Smittium megazygosporum(?)
[Diptera: Chironomidae]
Orthocladius 9027

Smittium morbosum
[Diptera: Culicidae]
Ochlerotatus triseriatus 9060 9061

Smittium mucronatum
[Diptera]
Unknown species 9063
[Diptera: Chironomidae]
Unknown species 9067 9090 9144
Psectrocladius sordidellus 9028

Smittium orthocladii
[Diptera: Chironomidae]
Unknown species 9080

Smittium perforatum(?)
[Diptera: Chironomidae]
Diamesa 9055

Smittium phytotelmatum
[Diptera: Chironomidae]
Chironomus 9076

Smittium simulatum
[Diptera: Tipulidae]
Aphrophila bidentata 9042 9078 9117

Smittium simulii
[Diptera: Chironomidae]
Unknown species 9019 9136
Diamesa 9139
[Diptera: Simuliidae]
Unknown species 9049
Simulium 9043 9118 9134 9137 9138
Simulium uchidai 9135

Smittium stenosporum
[Diptera: Chironomidae]
Cricotopus 9023

Smittium tipulidarum
[Diptera: Tipulidae]
Elliptera astigmatica 9052 9053 9054 9122

Smittium tronadorium
[Diptera: Chironomidae]
Paraheptagyia 9030

Sorosporella sp.
[Orthoptera: Acrididae]
?Melanoplus 377

Sorosporella uvella
[Coleoptera: Curculionidae]
Curculio caryae 1123
[Orthoptera: Gryllotalpidae]
Scapteriscus vicinus 1856

Sporodiniella umbellata
[Homoptera: Jassidae]
Unknown species 5222

Sporothrix sp.
[Homoptera: Cicadellidae]
Unknown species 7038
[Homoptera: Delphacidae]
Unknown species 7042
Nilaparvata lugens 1908
[Homoptera: Psyllidae]
Diaphorina citri 10230

Sporothrix ghanensis
[Homoptera: Coccoidea]
Unknown species 9500

Sporothrix insectorum
[Coleoptera: Carabidae]
Carabus 9502
[Hymenoptera: Formicidae]
Paltothyreus tarsatus 2909 2918
[Lepidoptera]
Unknown species 6286 7924
[Lepidoptera: Pyralidae]
Unknown species 9501

Stachybotrys sp.
[Homoptera: Aphididae]
Sitobion avenae 2863

Sterile mycelium
[Aphelenchida: Aphelenchoididae]
Aphelenchoides 3735
[Coleoptera: Cerambycidae]
Unknown species 4009
[Coleoptera: Scarabaeidae]
Adoryphorus coulonii 4243
[Hemiptera: Pentatomidae]
Scotinophara coarctata 1435
[Homoptera: Adelgidae]
Adelges tsugae 5819
[Homoptera: Aleyrodidae]
Unknown species 3710 3711
Bemisia tabaci 3868
[Homoptera: Aphididae]
Unknown species 3703 3705 3712
Brevicoryne brassicae 4376
[Homoptera: Cercopidae]
Prosapia plagiata 4712
[Homoptera: Cicadellidae]
Unknown species 3702
[Lepidoptera: Lymantriidae]
Lymantria dispar 2073

Stilbella buquetii
[Coleoptera: Curculionidae]
Artipes 2915

Strongwellsea castrans
[Diptera: Anthomyiidae]
Delia radicum 3282 3485

Synglioclad ium sp.
[Diptera: Ulidiidae]
Tetanops myopaeformis 5217

Synglioclad ium tetanopsis
[Diptera: Ulidiidae]
Tetanops myopaeformis 4972 5497 5577

Synnematium jonesii
[Coleoptera: Hispinae]
Promecotheca papuana 5664

Tilachlidium sp.
[Coleoptera: Chrysomelidae]
Unknown species 10132
[Coleoptera: Elateridae]
Unknown species 2415

Tilletiopsis sp.
[Homoptera: Delphacidae]
Nilaparvata lugens 527 572 573

Tolypocladium sp.
[Hemiptera: Tingidae]
Leptopharsa heveae 6634

Tolypocladium cylindrosporum
[Araneida]
Unknown species 9503
[Coleoptera: Elateridae]
Unknown species 7456 7812
[Diptera: Anthomyiidae]
Delia floralis 5525 5526 5527 5528 5529 5530 5531 5532 5558 5559
[Diptera: Bibionidae]
Plecia nearctica 2912
[Diptera: Culicidae]
Unknown species 961 976 1027 1028 2911
Aedes australis 841
Aedes sierrensis 705 1580
[Hymenoptera: Formicidae]
Myrmica rubra 7539
[Hymenoptera: Siridae]
Sirex noctilo 5538
[Lepidoptera: Noctuidae]
Unknown species 2777 2778
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 10146

Tolypocladium extinguens
[Diptera: Mycetophilidae]
Arachnocampa luminosa 2921

Tolypocladium inflatum
[Acari: Oribatidae]
Mycobates 3278
[Coleoptera: Scarabaeidae: Aphodiinae]
Unknown species 4877 4878 4879 4880 4881 4882 4883 4884 4885 4886 4887 4888 4889 4890 4891 4892 4893 4894 4895 4896 4897 4898
[Diptera: Tachinidae]
Unknown species 3281
[Lepidoptera: Tortricidae]
Choristoneura fumiferana 3321

Torrubiella sp.
[Araneida]
Unknown species 7223

Torrubiella homopterorum
[Homoptera: Delphacidae]
Nilaparvata lugens 2045

Torrubiella piperis
[Homoptera: Coccoidea]
Unknown species 7232

Torrubiella ratticaudata
[Araneida: Salticidae]
Euophrys ?trivittata 1915 1916

Triacutus subcuticularis
[Bdelloida: Adinetidae]
Adineta 10260

Trichoderma sp.
[Homoptera: Cicadellidae]
Empoasca kraemeri 807
[Homoptera: Diaspididae]
Unaspis citri 3084
[Hymenoptera: Formicidae]
Anoplolepsis longipes 2160 2161
[Isoptera: Termitidae]
Unknown species 8634
[Lepidoptera: Pyralidae]
Elasmopalpus lignosellus 5730
[Thysanoptera: Thripidae]
Unknown species 9938

Trichoderma lignorum
[Homoptera: Adelgidae]
Adelges tsugae 5176

Trichoderma viride(?)
[Homoptera: Cercopidae]
Aeneolamia varia 6344

Trichothecium sp.
[Hemiptera: Miridae]
Adelphocoris 1217 1223
[Homoptera: Cicadellidae]
Nephotettix bipunctata cincticeps 653

Trichothecium roseum
[Hemiptera: Miridae]
Adelphocoris 1212 1226 1308 1639 1642
[Homoptera: Aleyrodidae]
Unknown species 3708
[Lepidoptera: Lymantriidae]
Lymantria dispar 2055

Tripospermum sp.
[Homoptera: Adelgidae]
Adelges tsugae 9363

Verticillium sp.
[Coleoptera: Carabidae]
Unknown species 6501
[Coleoptera: Dermestidae]
Unknown species 6484
[Coleoptera: Scarabaeidae]
Unknown species 6486
[Hemiptera: Pentatomidae]
Aelia 6500
[Hemiptera: Rhopalidae]
Unknown species 6498
[Hemiptera: Scutelleridae]
Eurygaster 6480 6485
[Homoptera: Aleyrodidae]
Trialeurodes vaporariorum 4402
[Homoptera: Aphididae]
Unknown species 4194 4195 4203 4398 4399
Myzus persicae 4074
[Homoptera: Margarodidae]
Icerya purchasi 6580
[Thysanoptera: Thripidae]
Taeniothrips inconsequens 3547 3550 3551 3552 3556 3561

Verticillium epiphytum
[Uredinales]
Hemileia vastatrix 5250

Verticillium insectorum
[Coleoptera: Curculionidae]
Otiorhynchus sulcatus 3715

Verticillium lecanii
[Araneida: Araneae]
Unknown species 5167
[Coleoptera: Cantharidae]
Unknown species 4048
[Coleoptera: Chrysomelidae]
Agelastica alni 4022
[Coleoptera: Curculionidae]
Otiorhynchus sulcatus 6545
[Coleoptera: Histeridae]
Carcinops pumilio 5856
[Coleoptera: Scarabaeidae]
Aphodius fimetarius 4047
[Coleoptera: Tenebrionidae]
Unknown species 6487
Alphitobius diaperinus 5849
[Collembola: Sminthuridae]
Sminthurus viridis 5852
[Diptera: Anthomyiidae]
Delia radicum 5132 6554
[Diptera: Ephydridae]
Scatella stagnalis 6561
[Diptera: Muscidae]
Musca domestica 5859
[Hemiptera: Scutelleridae]
Eurygaster 6010 6025 6068 6085 6479
[Hemiptera: Tingidae]
Leptopharsa heveae 6651
[Homoptera]
Unknown species 6290
[Homoptera: Adelgidae]
Adelges tsugae 5165 5759 5771 5772 5777 5778 5779 5780 5781 5782 5783 5785 5786 5787 5789 5791 5793 5794 5795 5798 5820 5821 5822 5824 5828 5829 6035 6045 6046 6047 6050
Dreyfusia normannianiae 5854
[Homoptera: Aleyrodidae]
Bemisia tabaci 4064 4065 4067 4069 4070 4071 4072
Trialeurodes vaporariorum 4061 6544 6547
[Homoptera: Aphididae]
Unknown species 4073 4416 4417 4418 4419 4420 4421 4422 4423 4453 4454 4455 4456 4457 5166 5809
Aphis gossypii 6541
Brachycaudus helichrysi 6540
Brevicoryne brassicae 5131
Diuraphis noxia 3862 3881 3902 3903 3904 3909 6606
Macrosiphoniella sanborni 6542
Myzus persicae 4075 4076 4077 4079 5130 6543
Sitobion avenae 2859
Toxoptera citricida 6144 6145
[Homoptera: Coccidae]
Unknown species 2916
Coccus viridis 5153
Phytokermes hemichryphus 4025
Pulvinaria aurantii 6287 6291
[Homoptera: Eriococcidae]
Cryptococcus fagisuga 3741 3742 3743
[Hymenoptera: Formicidae]
Formica sp. 5168
[Lepidoptera: Bombycidae]
Bombyx mori 991
[Thysanoptera: Thripidae]
Unknown species 6548
Thrips tabaci 5709
[Uredinales: Pucciniaceae]
Puccinia striiformis 5221

Verticillium pseudohemipterigenum
[Homoptera: Coccoidea: Asterolecaniidae]
Bambusaspis sp. 5687

Zoophthora sp.
[Dermaptera: Forficulidae]
Forficula auricularia 3486 3487 3488
[Homoptera: Aphididae]
Unknown species 7454

Zoophthora anglica
[Coleoptera: Carabidae]
Trechus quadristriatus 1739
[Coleoptera: Elateridae]
Agriotes sputator 396 2505
[Hemiptera: Miridae]
Notostira elongata 916 926

Zoophthora aphidis
[Homoptera: Aphididae]
Anoecia corni 425

Zoophthora lanceolata
[Diptera: Brachycera]
Unknown species 468
[Diptera: Nematocera]
Unknown species 426 469

Zoophthora occidentalis
[Homoptera: Aphididae]
Acyrthosiphon pisum 2841 3027 3028 3029 3071 3073
Macrosiphum euphorbiae 207

Zoophthora phalloides
[Homoptera: Aphididae]
Brevicoryne brassicae 2281
Myzus rannaculinum 352

Zoophthora phytonomi
[Coleoptera: Curculionidae]
Hypera postica 3342 3343 3344
Hypera punctata 202 2188
Hypera variabilis 113 191 192

Zoophthora radicans
[Diptera]
Unknown species 388 1337 2499 2500 2501 2503 2506 2523 2554 8466
[Diptera: Anthomyiidae]
Delia radicum 2666
[Diptera: Nematocera]
Unknown species 1336 1428
[Hemiptera: Miridae]
Dicyphus pallidus 389
[Homoptera: Aphididae]
Unknown species 7455 7788 7789

Aphis fabae 7208
Brachycaudus amygdalinus 75
Capitophorus 822
Diuraphis noxia 3163
Drepanosiphum aceris 914 1130
Metopolophium dirhodum 2811
Therioaphis maculata 103 104 105 106 107 108 109 110 111 112 114 139 237 238 239 359 370 379 823
Therioaphis trifolii f. maculata 3737
[Homoptera: Cercopidae]
Unknown species 800
[Homoptera: Cicadellidae]
Unknown species 1239 1263 1495 1587 1591 2196 2549 2551 2552
Empoasca 2241 2242 2243 2244 2245 2246 2282 2283 2284 2285 2286 2287 2288 2289 3623
Empoasca fabae 1018 1019 1020 1021 1261 1262 1938 2400 2550 2716 2717 2718 2719 2720 2977 2978 2979 2980 3104 3105 3283 3284 3355 3376 3377 3390 3697 4520
Empoasca kraemeri 789 790 1227 1228 1229 1231 1232 1233 1234 1236 1237 1492 1493 1494 1496 1497 1498 1499 1500 1501 1502 1503 1504 1541 1542 1543 1544 1581 1582 1583 1584 1585 1586 1588 1589 1590 1593 1594 1595 1928 1929 1930 1931 1932 1933 1934 1935 1937 2994 2995 2996 3002 3003 3004 3005 3006 3007 3008 3009 3010 3011 3012 3013 3026
Empoasca vitis 2696 2700 2701 2702 2703 2706 2708 2709 2712 2713 3114 3116 3119 3149 3150 3151 3159 3160 3162 3164 3165 3172
Hauptida distinguenda 2256 2257 2258 2259 2260 2261 2262
Molopopterus theae 6605
Typhlocyba 3115 3170 3171
[Homoptera: Delphacidae]
Delphacodes striatella 1050
Nilaparvata lugens 685 1125 1136
[Homoptera: Psyllidae]
Psyllida etrioza 126
Trioza urticae 1719
[Hymenoptera: Diprionidae]
Neodiprion tsugae 13
[Lepidoptera]
Unknown species 404
[Lepidoptera: Gelechidae]
Tuta absoluta 6917
[Lepidoptera: Gelechiidae]
Anacampsis humilis 4783
[Lepidoptera: Geometridae]
Lambdina fiscellaria fiscellaria 72
[Lepidoptera: Noctuidae]
Sesamia inferens 2411
Trichoplusia ni 6003
[Lepidoptera: Pieridae]
Pieris brassicae 1341 1342 1343 1344 1345 1346
[Lepidoptera: Plutellidae]
Plutella xylostella 1048 1100 2732 2893 3204 3205 3206 6303 6313 6314 6315
[Lepidoptera: Pyralidae]
Cnaphalocrocis medinalis 1699 2410
[Lepidoptera: Tortricidae]
Choristoneura fumiferana 21 44 45 50 52 88 141 142 143 144 145 146 163 221 223 224 225 226 227 228 229 230 231 232 233 234 235 407
Epinotia aporema 4781 4782 4784 4785 5814
Merophyas divulsana 1082
Ptycholoma aeriferana 1674 1675
Tortrix viridana 68

Animalia

Arthropoda • Arachnida

Acari
Brazil, São Paulo
Lecanicillium sp. 7373
Unidentified / Hyphomycetes 7374
Hungary
Isaria fumosorosea 6610
United Kingdom
Hirsutella kirchneri 5550
Hirsutella necatrix 5549
USA, California
Hirsutella sp. 2795 2796 2797 2798 2801 2802 2803
Hirsutella thompsonii 2800
USA, New York
Hirsutella brownorum 3509
Lecanicillium sp. 10217 10218
USA, Vermont
Lecanicillium sp. 10164 10215 10216
Unidentified / Hyphomycetes 10281

Acari: Eriophyidae
Abacarus hystrix
United Kingdom
Hirsutella kirchneri 5551
Hirsutella sp. 970
USA, Maryland
Hirsutella sp. 8999
Acalitus vaccinii
USA, North Carolina
Hirsutella thompsonii var. *vinacea* 254
Calacarus heveae
Brazil, São Paulo
Hirsutella thompsonii 6633
Colomerus novahebridensis
Papua New Guinea
Hirsutella thompsonii 258 414
Eriophyes guerreronis
Ivory Coast
Hirsutella thompsonii 257
Jamaica
Hirsutella thompsonii 256
Eriophyes sheldoni
Zimbabwe
Hirsutella thompsonii 255 2459
Phyllocoptruta oleivora
Argentina
Hirsutella thompsonii 2012 2464
USA, Florida
Hirsutella thompsonii 137 241 253
USA, Texas
Hirsutella thompsonii 259

Acari: Ixodidae
Hungary
Beauveria bassiana 6967
Boophilus sp.
Mexico
Fusarium sp. 3296
Metarhizium brunneum 3297
USA, Florida
Metarhizium anisopliae sensu lato 4556
Ixodes ricinus
Denmark
Isaria fumosorosea 7069
Ixodes scapularis
Aspergillus sp. 6898
Beauveria bassiana 6897
Gliocladium(?) sp. 6896 6895 6899
Location not specified
Aspergillus ochraceus 3325
USA, Minnesota
Beauveria pseudobassiana 8045 8046
USA, New York
Aspergillus sp. 6604 6603
USA, Rhode Island
Penicillium sp. 5733

Acari: Oribatidae
Poland
Simplicillium lamellicola 1367
Mycobates sp.
Canada, Northwest Territories
Tolypocladium inflatum 3278

Acari: Tarsonemidae
Philippines
Hirsutella thompsonii 1947

Acari: Tenuipalpidae
Dolichotetranychus floridanus
Costa Rica
Hirsutella thompsonii 3323
Raoiella indica
Saint Lucia
Lecanicillium psalliotae 8890

Acari: Tetranychidae
Eotetranychus sp.
USA, Florida
Cladosporium cladosporioides 3085
Mononychellus tanajoa
Benin
Hirsutella thompsonii var. *synnematosa* 5412
Brazil, Bahia
Neozygites floridana(?) 6219 6220 6221
Tetranychus sp.
Ukraine
Hirsutella thompsonii 9457
Tetranychus althaeae
Czech Republic
Neozygites tetranychi 2677
Tetranychus urticae
Canada, British Columbia
Penicillium sp. 7974
India
Cladosporium cladosporioides 9616
Lecanicillium aphanocladii 9615
USA, New York
Neozygites floridana(?) 5201 5202 5376
USA, North Carolina
Neozygites sp. 662
USA, Virginia
Cladosporium sp. 6442 6443 6572

Acari: Uropodina
Poland
Hirsutella haptospora 2226

Acari: Varroidae
Varroa destructor
France
Beauveria bassiana 8254 8255 8256 8258
Beauveria varroae 8257 8259

Araneida
Canada, Alberta
Conidiobolus coronatus 7010
Denmark
Metarhizium anisopliae sensu lato 5851
France
Gibellula sp. 1669
Indonesia, Bali
Gibellula sp. 570
Indonesia, Sumatera Utara
Conidiobolus coronatus 567
Indonesia, Sumatera Utara, Sumatra
Gibellula sp. 569
Location not specified
Unidentified sp. 3209
Philippines
Isaria farinosa 2376
Paecilomyces sp. 2354
Poland
Unidentified sp. 1419
PR China
Nomuraea atypicola 9594
Russian Federation
Beauveria bassiana 9446
Beauveria sp. 7582
Clonostachys rosea 9492
Engyodontium album 7712 9454
Engyodontium(?) sp. 9475
Isaria tenuipes 9533
Lecanicillium muscarium 9467
Purpureocillium lilacinum 9528
Tolypocladium cylindrosporum 9503
Torrubiella sp. 7223
Solomon Islands
Lecanicillium lecanii 1905
Sri Lanka
Gibellula pulchra 1732
USA, Florida
Unidentified / Hyphomycetes 7345
USA, New York
Gibellula sp. 8927
Hymenostilbe verrucosa 2002

Araneida: ?Argiopidae
Solomon Islands
Nomuraea atypicola 1904

Araneida: ?Pholcidae
USA, New York
Engyodontium album 6002

Araneida: Araneae
Ethiopia
Beauveria bassiana 6690
Beauveria sp. 6691
Kazakhstan
Aphanocladium album 6492
USA, Vermont
Beauveria bassiana 5172 5173
Beauveria sp. 5174 5187
Isaria farinosa 5191
Paecilomyces sp. 5181 5183 5190
Verticillium lecanii 5167

Araneida: Pholcidae
Pholcus phalangoides
USA, Ohio
Engyodontium aranearum 2929 2935

Araneida: Salticidae
Euophrys ?trivittata
Solomon Islands
Gibellula clavulifera var. *alba* 1909
Torrubiella ratticaudata 1915 1916

Araneida: Tetragnathidae
Nephila clavipes
USA, Georgia
Nomuraea atypicola 7231

Opiliones
USA, Vermont
Isaria farinosa 5194
Paecilomyces sp. 5192
Canada, Alberta
Conidiobolus coronatus 7012 7013

Arthropoda • Crustacea

France
Amoebidium parasiticum 9182
USA, California
Amoebidium parasiticum 9257

Isopoda: Oniscoidea
Porcellio sp.
USA, California
Conidiobolus sp. 1672
Myriodontium keratinophilum 368 386

Arthropoda • Entognatha

Collembola
Kyrgyz Republic
Isaria farinosa 6482
USA, California
Hirsutella sp. 2799
USA, North Carolina
Conidiobolus coronatus 8023

Collembola: Sminthuridae
Sminthurus viridis
Denmark
Beauveria bassiana 5853
Verticillium lecanii 5852

Arthropoda • Insecta

Blattodea: Blattellidae
Supella longipalpa
India
Aspergillus sp. 8284

Coleoptera
Argentina
Beauveria bassiana 7470
Belarus
Isaria sp. 9519
Brazil, Goiás
Beauveria bassiana 754
Brazil, Pará
Beauveria caledonica 2251
Canada, British Columbia
Beauveria bassiana 7972
Ethiopia
Beauveria bassiana 6692 6693 6695 6696 6697
France
Beauveria bassiana 1980
Unidentified sp. 1634
Ghana
Unidentified / Hyphomycetes 8641
India
Beauveria brongniartii 2660
Metarhizium pingshaense 3210
Location not specified
Beauveria bassiana 293 4382
Mexico
Lecanicillium sp. 2(?) 2832
Philippines
Beauveria bassiana 3197 3198 3199
Isaria farinosa 2355
Poland
Beauveria bassiana 301
PR China
Beauveria bassiana 7164
Isaria catenioblíqua 6244
Isaria fumosorosea 9602
Republic of Korea
Beauveria sp. 5697
Isaria fumosorosea 5694
Russian Federation
Beauveria bassiana 9444
Isaria fumosorosea 7716
Polycephalomyces sp. 9496
Turkey
Beauveria bassiana 5668 10347
Beauveria sp. 5831
Ukraine
Beauveria sp. 7595
Isaria farinosa 9516
United Kingdom
Beauveria bassiana 6559 6560
USA, Florida
Beauveria bassiana 5979
USA, New York
Beauveria bassiana 350
USA, Texas
Isaria javanica 7119
Solomon Islands
Metarhizium anisopliae sensu lato 4290 4333 4334 4335 4336 4337 4338 4339 4340 4341 4557 4558 4572 4582
Metarhizium pingshaense 4342 4610
Haphochelus marginalis
France
Metarhizium anisopliae sensu lato 3148

Coleoptera: Anthicidae
Anthicus floralis
Poland
Beauveria bassiana 157

Coleoptera: Anthribidae
Araecerus fasciculatus
USA, Florida
Beauveria bassiana 413

Coleoptera: Bruchidae
Brazil, Goiás
Metarhizium anisopliae sensu lato 932
Brazil, Mato Grosso
Metarhizium anisopliae sensu lato 954
Caryedon serratus
France
Beauveria bassiana 1186

Coleoptera: Buprestidae
Kyrgyz Republic
Beauveria bassiana 6499
Agrilus planipennis
USA, Michigan
Beauveria bassiana 8771 8772 8773 8774
Beauveria sp. 8110 8111 8112 8113 8116 8117 8119 8120 8121 8122 8123 8124 8125 8126 8127 8128 8129 8130 8132 8133 8134 8135 8136 8137 8138 8139 8140 8141 8143 8144 8145 8146 8147 8148 8149 8150 8151 8152 8153 8154 8156 8158 8159 8160 8161 8164 8166 8167 8168 8169 8170 8171 8172 8173 8174 8175 8176 8177 8178 8180 8181 8182 8185 8186 8187 8188 8131
Isaria farinosa 9944 9945
Isaria fumosorosea 8142
Lecanicillium lecanii 8115
Lecanicillium muscarium 8114 8118 8157 8163 8165
Lecanicillium muscarium(?) 8162
Unidentified / Hyphomycetes 8155 8179 8183 8184

Coleoptera: Cantharidae
Denmark
Batkoa sp. 5810 2664
Verticillium lecanii 4048
USA, New York
Erynia sp. 5352
Rhagonycha fulva
Denmark
Erynia sp. 2525 2536 2537 2538 2539 2553 2663

Coleoptera: Carabidae
- Belarus
  - *Polycephalomyces* sp. 9497
- Brazil, Goiás
  - *Metarhizium anisopliae* sensu lato 939
- Brazil, Mato Grosso
  - *Beauveria bassiana* 952
- Brazil, Pará
  - *Metarhizium anisopliae* sensu lato 1901
- Ethiopia
  - *Beauveria bassiana* 6689
- France
  - *Beauveria bassiana* 1975
- Kazakhstan
  - *Verticillium* sp. 6501
- Mexico
  - *Metarhizium robertsii* 2469
- Republic of Korea
  - *Beauveria bassiana* 7241 7270
  - *Beauveria brongniartii* 7268
- Russian Federation
  - *Beauveria bassiana* 7581
- USA, Washington
  - *Beauveria bassiana* 3386
- Uzbekistan
  - *Beauveria bassiana* 6059 6099

Agonum dorsale
- Denmark
  - *Isaria farinosa* 4029 4044

Amara familiaris
- Denmark
  - *Beauveria bassiana* 4034

Amara plebeja
- Denmark
  - *Beauveria bassiana* 4031

Bembidion lampros
- Denmark
  - *Beauveria bassiana* 4032
  - *Isaria farinosa* 4043

Calosoma sp.
- Poland
  - *Polycephalomyces formosus* 1424

Carabus sp.
- Russian Federation
  - *Sporothrix insectorum* 9502
- Ukraine
  - *Simplicillium lamellicola* 9479

Hapalus sp.
- Denmark
  - *Isaria farinosa* 4045

Trechus quadristriatus
- United Kingdom
  - *Zoophthora anglica* 1739

Coleoptera: Cerambycidae
- Brazil, Ceará
  - *Beauveria bassiana* 785
- Denmark
  - Sterile mycelium 4009
- Ecuador
  - *Beauveria bassiana* 2557
- France
  - *Beauveria bassiana* 5072
  - *Isaria farinosa* 5073 5074 5075 5080
- Japan
  - *Harposporium janus* 5601
- Mexico
  - *Beauveria bassiana* 319
- Republic of Korea
  - *Beauveria bassiana* 6721 7251 7261 7266 7275
  - *Isaria farinosa* 7276
- Russian Federation
  - *Beauveria bassiana* 9442
- USA, Rhode Island
  - *Beauveria bassiana* 318

Agrianome spinicollis
- Australia
  - *Metarhizium anisopliae* sensu lato 7498 7499 7500

Anoplophora glabripennis
- PR China
  - *Beauveria amorpha(?)* 6827
  - *Beauveria bassiana* 6387 6390 7155 7156 7157 7166 7167 7168 7169 7170 7171 7172 7173 7174 7175 7176 7177 7178 8414
  - *Metarhizium pingshaense* 8420
  - *Scopulariopsis* sp. 8421
- USA, Connecticut
  - *Beauveria bassiana* 6393
  - *Metarhizium anisopliae* sensu lato 6388
  - *Metarhizium brunneum* 6392 7234 8415 8416 8417 8418 8419
- USA, Illinois
  - *Beauveria bassiana* 7152 7153 7154
  - *Metarhizium anisopliae* sensu lato 7180
- USA, Massachusetts
  - *Metarhizium anisopliae* sensu lato 6389
- USA, Michigan
  - *Aspergillus flavus* 6469
  - *Mucor circinelloides* 6470
- USA, New York
  - *Beauveria bassiana* 6391 7158 7159 7179 8412 8413
  - *Isaria farinosa* 8411

Anoplophora malasiaca
- Japan
  - *Beauveria brongniartii* 6235 6412

Aromia moschata
- Italy
  - *Beauveria bassiana* 1559 1560 1561 1562 1563

Dectes texanus
- USA, Kansas
  - *Beauveria bassiana* 6471
  - *Metarhizium robertsii* 6472

Enaphalodes rufulus
- USA, Arkansas
  - *Beauveria bassiana* 7404

Moechotypa diphysis
- Japan
  - *Beauveria bassiana* 1678

Monochamus alternatus
- Japan
  - *Beauveria bassiana* 1679

Monochamus scutellatus
- USA, Michigan
  - *Beauveria bassiana* 7162 7163

Niphonoclea sp.
- Philippines
  - *Beauveria brongniartii* 1431

Ortholeptura valida
- USA, Oregon
  - *Beauveria bassiana* 5997

Phoracantha semipunctata
- Malawi
  - *Beauveria malawiensis* 7760

Plectrodera scalator
- USA, Michigan
  - *Beauveria bassiana* 7160 7161 7165
  - *Lecanicillium lecanii* 7181 7182

Psacothea hilaris
- Japan
  - *Beauveria amorpha* 1680
  - *Beauveria bassiana* 1041

Coleoptera: Chrysomelidae
- Australia
  - *Beauveria bassiana* 8835 8836
  - *Isaria fumosorosea* 8840
- Brazil, Goiás
  - *Beauveria bassiana* 1971
- Kazakhstan
  - *Isaria farinosa* 6491
- Mexico
  - *Beauveria bassiana(?)* 6890 6891
- Nepal
  - *Cordyceps scarabaeicola* 7277 7278
- Republic of Kazakhstan
  - *Beauveria bassiana* 10350
- Republic of Korea
  - *Beauveria bassiana* 7244 7247 7271 7272
  - *Beauveria sungii* 7279 7280
- USA, Florida
  - *Tilachlidium* sp. 10132
- Vietnam
  - *Beauveria bassiana* 751
- Yugoslavia, Serbia
  - *Beauveria bassiana* 504

Agelastica alni
- Denmark
  - *Verticillium lecanii* 4022
- Republic of Georgia
  - *Evlachovaea kintrischica* 7218 8058

Basilepta fulvicornis
- India
  - *Beauveria* sp. 8250

Brontispa longissima
- Australia
  - *Metarhizium anisopliae* sensu lato 8745 8746 8747
- Western Samoa
  - *Metarhizium anisopliae* sensu stricto 2223

Cerotoma sp.
- Brazil, Mato Grosso
  - *Beauveria bassiana* 951
- Brazil, Paraná
  - *Beauveria bassiana* 1458
- Brazil, Rio de Janiero
  - *Purpureocillium lilacinum* 1951

Brazil, Santa Catarina
Beauveria bassiana 1467
Cerotoma arcuata
Brazil, Amazonas
Beauveria bassiana 731 732 756
Brazil, Bahia
Beauveria bassiana 2075
Brazil, Goiás
Beauveria bassiana 931 934
Metarhizium anisopliae sensu lato 760 2076 2077 2635 2941
Metarhizium robertsii 724
Crimissa sp.
Brazil, Ceará
Beauveria bassiana 786 788 805
Crimissa cruralis
Brazil, Ceará
Beauveria bassiana 4001
Diabrotica sp.
Brazil
Beauveria bassiana 3219
Brazil, Amazonas
Beauveria bassiana 2512
Brazil, Goiás
Beauveria bassiana 956 2938 2942
Metarhizium anisopliae sensu lato 1885 2513
Metarhizium robertsii 2514
Brazil, Mato Grosso
Beauveria bassiana 946 947 948 949 950 982
Colombia
Beauveria bassiana 721
Mexico
Beauveria bassiana 3287
Diabrotica balteata
Mexico
Beauveria bassiana 3309
Diabrotica barberi
USA, South Dakota
Beauveria bassiana 2579
Diabrotica paranaensis
Brazil, Goiás
Beauveria bassiana 739 752 758 809
Brazil, Mato Grosso
Beauveria bassiana 937 938
Diabrotica speciosa
Argentina
Beauveria bassiana 2515 8373
Brazil, Alagoas
Beauveria bassiana 1954
Brazil, Bahia
Beauveria bassiana 1961
Metarhizium anisopliae sensu lato 1958
Brazil, Goiás
Beauveria bassiana 928 1476 2625 2626
Brazil, Paraná
Beauveria bassiana 958 1060 1453 1454 1455 1461 1462 1463 1466 1469 2511 2520
Metarhizium anisopliae sensu lato 1056
Brazil, Rio Grande do Sul
Beauveria bassiana 1456 1459 1460 1464 1465 1475
Brazil, Santa Catarina
Beauveria bassiana 1470 1471 1472 1473
Diabrotica undecimpunctata
USA, Oregon
Beauveria bassiana 201
Diabrotica virgifera
Mexico
Beauveria bassiana 2330
USA, Nebraska
Beauveria bassiana 3111
Diabrotica virgifera virgifera
Mexico
Beauveria bassiana 9297 9298 9299 9300 9301 9302
Galerucella sp.
USA, Texas
Beauveria bassiana 5465
Galerucina sp.
France
Beauveria bassiana 2463
Leptinotarsa decemlineata
Canada, Ontario
Beauveria bassiana 5807
Canada, Québec
Beauveria bassiana 2987 2988 2989 2990 2991
Commonwealth of Independent States
Beauveria bassiana 2695
France
Beauveria bassiana 149 384 1982
Scopulariopsis sp. 2327
Germany
Beauveria bassiana 340
Italy
Beauveria bassiana 1106
Location not specified
Beauveria bassiana 5286
Unidentified sp. 3724
Russian Federation
Beauveria bassiana 9441
USA, Maine
Beauveria bassiana 252 353
USA, Maryland
Beauveria bassiana 8998
USA, Michigan
Aspergillus sp. 6571
Beauveria bassiana 5813
USA, New York
Beauveria bassiana 534 535 1039 1081 1619 1620 1621 1622 1623 1624 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1721 1722 1723 1749 1750 1775 1776 1777 1778 1779 1780 1781 2030 2031 2032 5533 5534 5535 5536 5537 6986 6987 6988
USA, Rhode Island
Beauveria bassiana 317
USA, Washington
Beauveria bassiana 344 1079
Yugoslavia
Beauveria bassiana 505 506 507 510
Yugoslavia, Croatia
Beauveria bassiana 509
Lilioceris lilii
Beauveria bassiana 5195
Denmark
Fusarium sp. 4011
Maecolaspis monrosi
Argentina
Beauveria bassiana 2509
Notonata sp.
Costa Rica
Beauveria bassiana 3437 3438 3439 3441 3442 3444 3446 3447 3450 3451 3452 3455
Odontota dorsalis
Beauveria bassiana 5553
Oulema melanopus
France
Unidentified sp. 3980
Pachybrachis pallicornis
Malaysia
Beauveria sp. 547
Paropsis charybdis
New Zealand
Beauveria bassiana 3066
Phyllotreta nigripes
Denmark
Unidentified sp. 4037
Pyrrhalta fuscipennis
Japan
Mixed Culture sp. 1043
Pyrrhalta luteola
France
Beauveria bassiana 1509 1510 1511 1518 1519
Isaria farinosa 1507 1508
Isaria fumosorosea 1506
Lecanicillium lecanii 1505
Pyrrhalta viburni
Russian Federation
Beauveria bassiana 9449
Spaethiella sp.
Brazil, Amazonas
Isaria fumosorosea 2956
Systena sp.
Brazil, Goiás
Beauveria bassiana 2079
Xanthogaleruca luteola
Argentina
Beauveria bassiana 5501
Zygogramma bicolorata
India
Metarhizium pingshaense 2231

Coleoptera: Chrysomelidae: Hispinae
Beauveria bassiana 8494

Coleoptera: Coccinellidae
Republic of Korea
Beauveria sp. 4853
Russian Federation
Beauveria sp. 7591
Turkey
Beauveria sp. 5678 5833
Isaria farinosa 5754 5834
Unidentified / Hyphomycetes 5677

Uzbekistan
Beauveria bassiana 6055 6061 6062 6063 6074 6075 6092 6095 6111 6112
Coccinella sp.
USA, New York
Beauveria bassiana 2033 2034
Coccinella septempunctata
Denmark
Beauveria bassiana 4018
Beauveria sp. 4027
Location not specified
Beauveria bassiana 3534
Ukraine
Isaria fumosorosea 9521
USA, Michigan
Beauveria bassiana 2580
Coleomegilla maculata
Brazil, Alagoas
Beauveria bassiana 1956
Brazil, Goiás
Metarhizium anisopliae sensu lato 808
Cycloneda sanguinea
Argentina
Beauveria bassiana 2010 8372 8462 8463
Hippodamia convergens
Mexico
Unidentified sp. 3821
USA, New York
Beauveria bassiana 4973 4974 4975

Coleoptera: Cucujidae: Silvaninae
Ahasverus advena
Denmark
Beauveria bassiana 5857

Coleoptera: Curculionidae
Metarhizium anisopliae sensu lato 8098 8099
Argentina
Beauveria bassiana 7202 7466 7471 8520 8521 8522 8523 8524 8525 8526 8530
Beauveria sp. 7463
Brazil, Goiás
Beauveria bassiana 930
Brazil, Paraná
Beauveria bassiana 1061
Denmark
Beauveria bassiana 4052
Indonesia, Sulawesi Selatan, Celebes
Aspergillus parasiticus 2173
Metarhizium brunneum 2210
Unidentified / Hyphomycetes 2225
Papua New Guinea
Scopulariopsis sp. 2169
PR China
Isaria cateniannulata 6241
Republic of Korea
Beauveria bassiana 2040
Lecanicillium muscarium 7248
Unidentified / Hyphomycetes 5695
USA, Hawaii
Beauveria bassiana 8705
USA, New York
Beauveria bassiana 6216 6217
Beauveria brongniartii 6213 6214 6215
USA, Vermont
Paecilomyces sp. 5184 5193
Canada, British Columbia
Beauveria bassiana 7978
Indonesia
Metarhizium brunneum 2224
United Kingdom
Beauveria bassiana 7769
USA, New York
Beauveria bassiana 3667
Anthonomus grandis
Brazil
Beauveria sp. 1835
Brazil, São Paulo
Beauveria bassiana 1966 2559 2638 2639 2945 2946
USA, Texas
Aspergillus sp. 7048
Beauveria bassiana 3097 7795
Anthonomus musculus
USA, Massachusetts
Beauveria bassiana 3037
Penicillium sp. 3036
Pochonia bulbillosa(?) 3035
USA, New Jersey
Fusarium sp. 3030 3031 3032
Apion sp.
Denmark
Beauveria bassiana 4023
Aracanthus sp.
Brazil, Ceará
Beauveria bassiana 753
Brazil, Rio Grande do Sul
Unidentified sp. 3478
Artipes sp.
USA, Florida
Stilbella buquetii 2915
Blosyrus asellus
USA, Hawaii
Metarhizium anisopliae sensu lato 9217 9218
Brachyderes incanus
Netherlands
Hirsutella fusiformis 5474
PR China
Isaria cateniannulata 6243
Ceutorhynchus litura
Location not specified
Beauveria bassiana 3403
Ceutorhynchus napi
Switzerland
Conidiobolus coronatus 1572 1573 1574 1575
Chalcodermus sp.
Brazil, Mato Grosso
Beauveria bassiana 941 942 943 953
Chalcodermus aeneus
Brazil, Goiás
Beauveria bassiana 733 734 735 736 738
Metarhizium anisopliae sensu lato 725 929
USA, Georgia
Beauveria bassiana 336 337
Fusarium sp. 2568 2569
Chalcodermus bimaculatus
Brazil, Goiás
Penicillium sp. 2950
Conotrachelus nenuphar
Location not specified
Beauveria bassiana 1016
USA, Michigan
Beauveria bassiana 8260 8261 8262 8263
Fusarium sp. 8266 8267
Lecanicillium muscarium(?) 8265
Cosmopolites sp.
Brazil
Beauveria bassiana 1833
Cosmopolites sordidus
Brazil, Espírito Santo
Beauveria bassiana 1483
West Africa
Beauveria bassiana 4798 4799
Curculio caryae
USA
Metarhizium robertsii 3608
USA, Arkansas
Sorosporella uvella 1123
USA, Georgia
Beauveria bassiana 2676
USA, South Carolina
Metarhizium robertsii 2575
Cyrtepistomus castaneus
USA, Kentucky
Beauveria bassiana 2270
Beauveria brongniartii 2271
Desiantha diversipes
Metarhizium anisopliae sensu lato 8568 8569
Diaprepes abbreviata
Location not specified
Beauveria bassiana 433
USA, Florida
Aspergillus nidulans(?) 6515
Beauveria bassiana 412 416
Cladosporium sphaerospermum 6516
Metarhizium pingshaense 5197
Purpureocillium lilacinum 410
Geraeus senilis
Mexico
Beauveria bassiana 3310 3311
Metarhizium anisopliae sensu lato 3305 3306 3308
Heilipodus erythropus
Argentina
Beauveria bassiana 8461
Hypera postica
Denmark
Beauveria bassiana 4038 4049
France
Acremonium furcatum 1372
Aphanocladium album 1329
Beauveria bassiana 1389 1398 1399 1515

Beauveria sp. 1327
Lecanicillium muscarium 1328 1401 1402 1403
USA, Illinois
Zoophthora phytonomi 3342 3343 3344
Hypera punctata
USA, Delaware
Zoophthora phytonomi 2188
USA, New York
Zoophthora phytonomi 202
Hypera variabilis
Israel
Conidiobolus osmodes 79
Conidiobolus sp. 80 81
Zoophthora phytonomi 113 191 192
Larinus sp.
Switzerland
Beauveria varroae 2694
Listronotus maculicollis
USA, New York
Metarhizium anisopliae sensu lato 9374
Listronotus oregonensis
Canada, Québec
Beauveria bassiana 2983 2984 2985 2986
Metarhizium robertsii 2981
Litodactylus leucogaster
USA, Florida
Isaria javanica 322
Metamasius sp.
Colombia
Beauveria bassiana 842
Metamasius callizona
USA, Florida
Beauveria bassiana 5986
Metamasius hemipterus
Brazil, Paraná
Beauveria bassiana 2642
Myllocerus discolor
India
Metarhizium guizhouense 3603
Oryzophagus oryzae
Brazil, Rio Grande do Sul
Beauveria bassiana 3098
Otiorhynchus ligustici
Hungary
Beauveria bassiana 6884 6885
USA, New York
Fusarium sp. 4825
Metarhizium anisopliae sensu lato 4819 4820 4821 4822 4823 4824
Otiorhynchus sulcatus
Australia
Metarhizium brunneum 4228
France
Beauveria bassiana 813 814 815 1073 1074 1075
Metarhizium anisopliae sensu lato 818
Metarhizium brunneum 817 820
Metarhizium flavoviride 2024
Metarhizium flavoviride var. *flavoviride* 1184
Germany
Metarhizium brunneum 5198
Metarhizium robertsii 1910
Location not specified
Verticillium insectorum 3715
New Zealand
Beauveria bassiana 3065 8078
United Kingdom
Beauveria bassiana 6552 7763
Metarhizium anisopliae sensu lato 6549
Metarhizium anisopliae sensu stricto 6546
Verticillium lecanii 6545
USA, Oregon
Isaria farinosa 2937
Phlyctinus callosus
Australia
Beauveria bassiana 8756 8757
Pissodes strobi
Canada, British Columbia
Lecanicillium muscarium 8048 8049 8050 8051 8052 8053 8054
Lecanicillium pissodis 8055 8056 8057
Premnotryes latithorax
Peru
Beauveria bassiana 5983 5984
Premnotrypes suturicallus
Peru
Beauveria amorpha 1969
Premnotrypes vorax
Colombia
Beauveria bassiana 2248
Isaria farinosa 799
Rhabdoscelus obscurus
Australia
Metarhizium anisopliae sensu lato 8762 8828 8847
Rhynchites aequatus
Denmark
Beauveria bassiana 8037
Rhynchites baccus
Turkey
Beauveria bassiana 8668
Rhynchophorus ferrugineus
Iran
Beauveria bassiana 6903
Shirahoshizo insidiosus
Japan
Beauveria sp. 1681
Sitona sp.
France
Beauveria bassiana 1647
New Zealand
Beauveria bassiana 3063 8077
Sitona discoideus
France
Beauveria bassiana 816 1185 1191
Metarhizium guizhouense 819
Morocco
Beauveria bassiana 1153 1154 1155 1163 1164 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1183 1188 1189 1190 1309 1311 1312 1313 1811 1815 1816 1817 1818 1819 1820 1821
Fusarium sp. 1310
Sitona humeralis
France
Beauveria bassiana 1491
Sitona lineatus
Denmark
Beauveria bassiana 4013 4015 4016 4019 4021 4041
Isaria farinosa 4039
Lecanicillium muscarium 4033
Metarhizium brunneum 4020
France
Beauveria bassiana 1156 1157 1158 1159 1160 1161 1162 1165 1167 1168 1169 1170 1182 1192 1193 1194 1306
Sitophilus sp.
United Kingdom
Beauveria bassiana 7764 7773 7774
Sitophilus oryzae
Republic of Korea
Cordyceps sp. 4852
Sternechus subsignatus
Brazil, Paraná
Beauveria bassiana 1450
Metarhizium anisopliae sensu lato 1989
Brazil, Rio Grande do Sul
Unidentified sp. 3471

Coleoptera: Curculionidae: Apioninae
Cylas formicarius elegantulus
Peru
Beauveria bassiana 5982
USA, Florida
Beauveria bassiana 5981

Coleoptera: Dermestidae
Kazakhstan
Verticillium sp. 6484

Coleoptera: Elateridae
Australia
Metarhizium anisopliae sensu lato 8543 8544 8545 8546 8547 8548
Belarus
Purpureocillium lilacinum 9524
Lecanicillium fungicola 9483
Brazil, Ceará
Beauveria bassiana 784 804
Canada, British Columbia
Tolypocladium cylindrosporum 7456
France
Beauveria bassiana 150
Japan
Tilachlidium sp. 2415
Russian Federation
Beauveria brongniartii 9452
Beauveria sp. 7580
Tolypocladium cylindrosporum 7812
Turkey
Beauveria bassiana 5670

Agriotes sp.
Germany
Evlachovaea sp. 7403
Switzerland
Metarhizium anisopliae sensu lato 7524
United Kingdom
Metarhizium anisopliae sensu lato 6551
USA, Oregon
Metarhizium anisopliae sensu lato 7494
Metarhizium brunneum 2107
Agriotes sputator
Denmark
Zoophthora anglica 2505
Switzerland
Metarhizium anisopliae sensu lato 1377
Zoophthora anglica 396
Athalia rosae
Switzerland
Pandora blunckii 915 917 920 1715 1716 1717 1718
Conoderus sp.
New Zealand
Metarhizium anisopliae sensu stricto 2518
USA
Metarhizium anisopliae sensu lato 1903
USA, California
Metarhizium robertsii 1897
USA, North Carolina
Metarhizium robertsii 23
Limonius canus
USA, Washington
Metarhizium anisopliae sensu lato 7000 7001 7002 7003 7004 7005 7006 7007 7008 7009

Coleoptera: Hispinae
Promecotheca papuana
Papua New Guinea
Synnematium jonesii 5664

Coleoptera: Histeridae
Carcinops pumilio
Denmark
Verticillium lecanii 5856

Coleoptera: Lagriidae
Lagria vilosa
Brazil
Isaria amoenerosea 4097
Brazil, Alagoas
Isaria farinosa 1957
Brazil, Goiás
Beauveria bassiana 2961
Isaria amoenerosea 741 744 2220 2958 2959 2960
Isaria fumosorosea 722 2216 2217 2219 2221
Purpureocillium lilacinum 723 2952
Pochonia chlamydosporia var. *chlamydosporia* 2218

Coleoptera: Lampyridae
Russian Federation
Isaria coleopterorum 9509
Lecanicillium nr. *aranearum* 9460
USA, Vermont
Beauveria sp. 5186 5188
Cratomorphus diaphanus
Argentina
Beauveria bassiana 8464

Coleoptera: Languriidae
Costa Rica
Beauveria bassiana 3457

Coleoptera: Meloidae
Republic of Korea
Isaria amoenerosea 4849

Coleoptera: Melyridae
Malachius bipustulatus
Poland
Lecanicillium muscarium 1335

Coleoptera: Nitidulidae
Australia
Beauveria bassiana 325

Coleoptera: Pythidae
Pytho sp.
Canada, British Columbia
Beauveria bassiana 1854

Coleoptera: Rhizophagidae
Rhizophagus grandis
Belgium
Beauveria bassiana 1848

Coleoptera: Scarabaeidae
Australia
Metarhizium brunneum 472
Brazil, Distrito Federal
Metarhizium anisopliae sensu lato 3479
Ethiopia
Beauveria bassiana 6686
Kazakhstan
Isaria farinosa 6488 6489
Kyrgyz Republic
Verticillium sp. 6486
Location not specified
Beauveria brongniartii 4380 4381
Nepal
Metarhizium anisopliae sensu lato 7527 7529
Papua New Guinea
Metarhizium anisopliae sensu lato 2163
Metarhizium pingshaense 2162
Poland
Metarhizium majus 1858 1859
PR China
Metarhizium guizhouense 683
Republic of Korea
Beauveria bassiana 7264
Beauveria sungii 5689
Russian Federation
Clonostachys rosea 9491
Cordyceps sp. 7848
Engyodontium rectidentatum 7805
Syria
Purpureocillium lilacinum 6110
Turkey
Beauveria bassiana 5669
USA, Vermont
Pochonia chlamydosporia 3314
Uzbekistan
Beauveria bassiana 6058
Adoryphorus sp.
Australia
Metarhizium frigidum 4124
Adoryphorus coulonii
Metarhizium anisopliae sensu lato 4142 4239
Australia
Beauveria amorpha 4149
Beauveria bassiana 4135 4136 4274 4721
Metarhizium anisopliae sensu lato 4137 4138 4141 4346 4677 4716 4722 7815
Metarhizium flavoviride var. *flavoviride* 4719 4720
Sterile mycelium 4243
Amphimallon majale
USA, New York
Metarhizium anisopliae sensu lato 9373
Amphimallon solstitialis
Denmark
Beauveria caledonica 8024
Ancognatha scarabaeoides
Colombia
Beauveria bassiana 2249 2250
Metarhizium robertsii 797
Anomala costata
Japan
Beauveria amorpha 1676
Beauveria brongniartii 985
Anomala cuprea
Cordyceps brongniartii 7517
Japan
Beauveria bassiana 1683
Beauveria sp. 1682
Cordyceps brongniartii 7516
Anomola sp.
Myanmar
Metarhizium anisopliae sensu lato 8738 8739 8740 8741 8742 8743
Anoplognathus sp.
Australia
Beauveria bassiana 8763
Metarhizium anisopliae sensu lato 8764
Metarhizium majus 4566 4601 7505
Anoplognathus hirsutus
Australia
Metarhizium anisopliae sensu lato 4574 4779
Antitrogus consanguineus
Australia
Metarhizium anisopliae sensu lato 8761

Antitrogus mussoni
Australia
Metarhizium anisopliae sensu lato 7842 7865 7931
Metarhizium pingshaense 7417
Antitrogus parvulus
Metarhizium anisopliae sensu lato 8832 8893
Australia
Metarhizium anisopliae sensu lato 7496 7819 7839 7854 7864 8833 8834
Metarhizium pingshaense 7410
Aphodius fimetarius
Denmark
Verticillium lecanii 4047
Aphodius howitti
Location not specified
Ophiocordyceps aphodii 5498
Aphodius tasmaniae
Australia
Metarhizium anisopliae sensu lato 4125 4132 4133 4139 7845
Metarhizium brunneum 346 4131
Unidentified sp. 4140
New Zealand
Beauveria bassiana 3070 8079
Costelytra zealandica
Netherlands
Beauveria brongniartii 7761
New Zealand
Beauveria bassiana 3055
Beauveria brongniartii 3054
Metarhizium anisopliae sensu lato 3056 3057
Metarhizium pingshaense 7435
Cyclocephala sp.
Australia
Metarhizium anisopliae sensu lato 8837 8838
Dasygnathus dejeani
Australia
Metarhizium anisopliae sensu lato 8839
Dermolepida albohirtum
Metarhizium anisopliae sensu lato 7492
Metarhizium sp. 7493
Australia
Metarhizium anisopliae var. *lepidiotae* 7453
Metarhizium anisopliae sensu lato 7452 8744 8754 8755 10469
Metarhizium lepidiotae 7488
Diloboderus abderus
Argentina
Metarhizium brunneum 6120
Heptophylla picea
Japan
Paecilomyces canadensis 984
Heteronychus arator
Australia
Metarhizium anisopliae sensu lato 7932 7933 7934 7935 7936 8549 8550 8551 8552 8553 8554 8555 8556 8557 8576 8848 8849
Metarhizium robertsii 7424
Heteronyx sp.
Australia
Metarhizium anisopliae sensu lato 7843 7844 8586
Metarhizium robertsii 7449
Heteronyx piceus
Australia
Metarhizium anisopliae sensu lato 7451 8500 8558 8559 8582 8583 8592 8615 8616 8617 8618 8619 8620 8621
Metarhizium anisopliae sensu stricto 7450
Heteronyx rugosipennis
Australia
Metarhizium anisopliae sensu lato 8563 8564 8565 8566 8567 8577 8610
Holotrichia consanguinea
India
Metarhizium anisopliae sensu stricto 10475
Holotrichia parallela
China
Beauveria asiatica 4384 4474
Beauveria brongniartii 4385 4386 4388 4465 4466 4467 4468 4469 4470 4471 4472 4473 4475 4476 4477 4478
Mixed Culture sp. 4387
Holotrichia serrata
India
Metarhizium anisopliae sensu stricto 10472 10476
Lachnosterna bidentata
Malaysia
Metarhizium flavoviride 8737
Lachnosterna morosa
Japan
Beauveria sungii 1685
Lepidiota consobrina
Metarhizium anisopliae sensu lato 8830 8831
Australia
Metarhizium anisopliae var. *lepidiotae* 8732
Metarhizium anisopliae sensu lato 7411 7827 7828 7846 8845 8850
Metarhizium lepidiotae 7412
Lepidiota frenchi
Australia
Metarhizium anisopliae sensu lato 7829 7830 7831 8733
Lepidiota gibbifrons
Australia
Metarhizium anisopliae sensu lato 7824 7825 7826
Lepidiota negatoria
Australia
Metarhizium anisopliae sensu lato 7832
Lepidiota noxia
Australia
Metarhizium anisopliae sensu lato 7504
Lepidiota picticollis
Metarhizium anisopliae sensu lato 8501
Lepidiota squamulata
Australia
Metarhizium anisopliae sensu lato 7816
Melolontha sp.
Germany
Beauveria brongniartii 5355 5356 5357 5358 5359 5360 5361 5362 5363 5364
Melolontha melolontha
France
Beauveria brongniartii 617 979
Metarhizium guizhouense 977
Switzerland
Beauveria brongniartii 1067 1068 1069 1070 1071 1072 1076 1077 7528
Metarhizium anisopliae sensu lato 7532
Metarhizium brunneum 1066
Oryctes sp.
Papua New Guinea
Metarhizium anisopliae sensu lato 2156 2165 2166 2167
Philippines
Metarhizium majus 1914
Oryctes rhinoceros
France
Metarhizium anisopliae var. *majus* 3145
Metarhizium majus 978
Indonesia, Jawa Barat, Java
Metarhizium anisopliae var. *majus* 2151
Philippines
Metarhizium majus 1946
Thailand
Metarhizium pingshaense 538
Pachnoda interrupta
Ethiopia
Aspergillus flavus 6454
Beauveria bassiana 6669 6676 6681
Metarhizium anisopliae sensu lato 6670 6671 6672 6673 6674 6675 6677 6678 6679 6680 6682 6683 6684 6685
Papuana sp.
Papua New Guinea
Metarhizium anisopliae sensu lato 8748
Papuana woodlarkiana
Papau New Guinea
Metarhizium guizhouense 4604
Phyllopertha horticola
Norway
Metarhizium anisopliae sensu lato 6901
Metarhizium brunneum 6477
Phyllophaga sp.
Mexico
Beauveria bassiana 5740 5741 5742 5743 5744 5745

Phyllophaga ?anxia
Canada
Metarhizium anisopliae sensu lato 2135 2136 2137 2138 2139
Metarhizium robertsii 2134
Phyllophaga anxia
Canada
Metarhizium anisopliae sensu lato 8499
Phyllophaga cuyabana
Brazil, Paraná
Metarhizium anisopliae sensu stricto 3924
Phyllophaga menetriesi
Colombia
Evlachovaea sp. 7551
Popillia japonica
Azores
Beauveria amorpha 4990
Beauveria brongniartii 4992 4993 4994 4995
Japan
Beauveria brongniartii 4389 4458
Beauveria sp. 4390 4391 4392
Metarhizium robertsii 1046
Unidentified / Hyphomycetes 5223 5224 5225 5226 5227
Location not specified
Beauveria bassiana 3716 3717
Cordyceps sp. 3718 3714 3719
Portugal
Beauveria bassiana 5148 5150
Isaria fumosorosea 2679
Metarhizium anisopliae sensu lato 3329 4907 4908
Metarhizium brunneum 3864
Metarhizium robertsii 5149
Unidentified sp. 3841
USA, Connecticut
Metarhizium anisopliae sensu lato 3713 3720
Metarhizium robertsii 3721
Unidentified sp. 3722
USA, New York
Metarhizium anisopliae sensu lato 1280 2548 3330 3331 3332 3333 3334 3335 3336 3337 3338 3339 3340 9372
Metarhizium robertsii 1298 1878
Purpureocillium lilacinum 9371
Rhizotrogus majalis
USA, New York
Metarhizium robertsii 2547 3108 3211 4123
Unidentified / Hyphomycetes 2999
Rhopaea magnicornis
Australia
Beauveria bassiana 4130 7813 8853 8854
Isaria fumosorosea 8892
Metarhizium anisopliae sensu lato 8492 8765 8766 8767 8829 8844
Metarhizium sp. 7495 8851 8852 8855 8856 8857
Rhopaea verreauxii
Australia
Metarhizium anisopliae sensu lato 8495
Scapanes australis
Papua New Guinea
Metarhizium pingshaense 3604
Sericesthis micans
Australia
Metarhizium anisopliae sensu lato 4568 4777 4778
Sericesthis nigrolineata
Australia
Beauveria bassiana 7853
Metarhizium anisopliae sensu lato 4780 7814 7863
Sericethis sp.
Australia
Metarhizium anisopliae sensu lato 4134 4236
Strigoderma arboricola
USA, Michigan
Metarhizium robertsii 1968
Xyloryctes jamaicensis
India
Beauveria sp. 2412
Western Samoa
Metarhizium anisopliae var. *majus* 297 298

Coleoptera: Scarabaeidae: Aphodiinae
USA, New York
Tolypocladium inflatum 4877 4878 4879 4880 4881 4882 4883 4884 4885 4886 4887 4888 4889 4890 4891 4892 4893 4894 4895 4896 4897 4898

Coleoptera: Scarabaeidae: Melolonthinae
Antitrogus rugulosus
Australia
Paraisaria dubia 5764

Coleoptera: Scolytidae
Switzerland
Beauveria bassiana 1566
Beauveria caledonica 1567
USA, Hawaii
Beauveria bassiana 3040
Dendroctonus micans
Denmark
Lecanicillium muscarium 4036
Turkey
Beauveria bassiana(?) 9271
Beauveria sp. 9272 9273 9274
Isaria farinosa 9269 9270 9275 9276 9277 9278
Lecanicillium muscarium 9267 9268
Dendroctonus ponderosae
Canada, British Columbia
Beauveria bassiana 1849 1853
Dendroctonus rufipennis
Canada, British Columbia
Evlachovaea sp. 1017
Dryocoetes confusus
Canada
Beauveria bassiana 9184
Canada, British Columbia
Beauveria bassiana 1852
Hypothenemus hampei
Benin
Fusarium sp. 5875 5878
Purpureocillium lilacinum 5876 5877 5880 5882 6188 6190
Brazil, São Paulo
Beauveria bassiana 1480
Cameroon
Beauveria bassiana 6526 6527 6528 6529 6530 6531 6532
Colombia
Acremonium alternatum 7282
Fusarium sp. 6602
Indonesia, Sulawesi
Fusarium sp. 7063
Ivory Coast
Beauveria bassiana 5436 5437 5438 5439 5440 5441 5442 5459 5460 5477 5482 5483 5484 5485 5486 5487
Fusarium sp. 5461
Isaria fumosorosea 6730
Kenya
Beauveria bassiana 2685 2686 2687
Mexico
Beauveria bassiana 2693 3818 3819
Isaria fumosorosea 7284
Nicaragua
Beauveria bassiana 3440 3443 3445 3448 3453
Sri Lanka
Beauveria bassiana 7758
Togo
Beauveria bassiana 2688 2689 2690 2691 2692 5443 5444 5445 5446 5447 5448 5449 5450 5451 5452 5453 5454 5455 5456 5457 5458 5478 5479 5480 5481 5488 5489 5490
Uganda
Fusarium sp. 5879
USA, Hawaii
Beauveria bassiana 10471
USA, Texas
Candida sp. 5729
Ips sp.
Canada, British Columbia
Beauveria pseudobassiana 1855
Ips stenographus
Norway
Beauveria bassiana 6900
Ips typographus
Denmark
Beauveria brongniartii 4024
Switzerland
Beauveria bassiana 7525 7526
Tomicus minor
France
Beauveria bassiana 5070 5071
Beauveria pseudobassiana 4933

Tomicus pimperda
France
Beauveria sp. 4909 4910 4911 4912 4913 4914 4915 4916 4917 4918

Coleoptera: Scolytidae (Tribe Ipini)
PR China
Beauveria pseudobassiana 6229

Coleoptera: Silphidae
Russian Federation
Isaria farinosa 9511
Lecanicillium sp. 9459

Coleoptera: Staphylinidae
Australia
Metarhizium anisopliae sensu lato 8734
Denmark
Beauveria bassiana 4055
USA, Nebraska
Beauveria bassiana 3112
Anotylus rugosus
Denmark
Beauveria bassiana 4051 4056
Anotylus sp.
Denmark
Beauveria bassiana 4046
Gyrohypnus angustatus
Denmark
Beauveria bassiana 4054
Staphylinus olens
Denmark
Isaria farinosa 4040
Tachyporus hypnorum
Denmark
Lecanicillium longisporum 4050
Tachyporus sp.
Denmark
Beauveria bassiana 4028

Coleoptera: Tenebrionidae
Brazil, Ceará
Beauveria bassiana 757 783 787
Kazakhstan
Beauveria bassiana 6478 6483
Verticillium lecanii 6487
Republic of Korea
Isaria farinosa 5699
Uzbekistan
Beauveria bassiana 6057 6064 6077 6078 6096 6113
Alphitobius diaperinus
Beauveria bassiana 5836 5838 5839 5840 5843
Isaria fumosorosea 5844 5845 5846 5847
Metarhizium anisopliae sensu lato 5837 5841 5842 5848 5850
Verticillium lecanii 5849
Denmark
Isaria farinosa 5858
USA, West Virginia
Beauveria bassiana 7941
Pterohelaeus darlingensis
Australia
Beauveria bassiana 8065
Tenebrio molitor
Aspergillus flavus 9381
Denmark
Beauveria bassiana 8038
Finland
Beauveria bassiana 5623
Isaria fumosorosea 5627
Metarhizium brunneum 5626
Republic of China
Isaria farinosa 8917
Lecanicillium muscarium 8923
Metarhizium anisopliae sensu lato 8775 8776 8777 8778 8779 8780 8781 8782 8783 8784 8785 8786 8787 8788 8789 8790 8791 8792 8793 8794 8795 8796 8797 8798 8799 8858 8859 8860 8861 8862 8863 8864 8865 8866 8867 8868 8869 8870 8871 8872 8873 8874 8875 8876 8877 8878 8879 8880 8881 8882 8883 8884 8885 8886 8887 8894 8895 8896 8897 8898 8899 8900 8901 8902 8903 8904 8905 8906 8907 8908 8909 8910 8911 8912 8913 8914 8915 8916 8941 8942 8943 8944 8945 8946 8947 8948 8949 8950 8951 8952 8953 8954 8955 9235 9236
Purpureocillium lilacinum 8918 8919 8920 8921 8922
Tribolium castaneum
Finland
Beauveria sp. 5622
Metarhizium anisopliae sensu lato 5624
Metarhizium brunneum 5625
USA, Washington
Metarhizium anisopliae sensu lato 3389
Metarhizium robertsii 3388

Coleoptera: adephaga
Turkey
Beauveria bassiana 5672
Colombia
Beauveria bassiana 796
Republic of Korea
Beauveria bassiana 7252
Russian Federation
Evlachovaea sp. 7602
USA, Florida
Beauveria bassiana 5991
USA, Vermont
Beauveria bassiana 5495 5496

Dermaptera: Forficulidae
Doru lineare
Argentina
Beauveria bassiana 8374 8465
Forficula africana
Benin
Beauveria bassiana 5652
Nigeria
Beauveria bassiana 5650 5651
Forficula auricularia
Brazil, Distrito Federal
Beauveria bassiana 3018
Denmark
Zoophthora sp. 3486 3487 3488

Dictyoptera: Blattellidae
Blattella germanica
Denmark
Isaria fumosorosea 5855
Location not specified
Candida sp. 1924 1925 1926
USA, Maryland
Candida sp. 1877

Dictyoptera: Blattidae
Periplaneta americana
USA, Louisiana
Candida sp. 1857

Dictyoptera: Mantidae
Republic of Korea
Beauveria bassiana 7236 7238

Diptera
Argentina
Zoophthora radicans 8466
Brazil, Bahia
Beauveria bassiana 1962
Brazil, Ceará
Erynia sp. 876 880 884
Brazil, Goiás
Furia americana 742 2192 2194
Brazil, Paraná
Furia americana 1240 1242
Canada, Ontario
Smittium mucronatum 9063
Smittium sp. 9065 9088 9265
Denmark
Entomophthora muscae 6701
Erynia sp. 2495 5812
Zoophthora radicans 2499 2500 2501 2503 2506 2523 2554
France
Isaria fumosorosea 887
India
Fusarium sp. 2414
Indonesia, Yogyakarta, Java
Paecilomyces sp. 2350 2378
Israel
138
Poland
Conidiobolus thromboides 86 87
Zoophthora radicans 1337
Republic of Korea
Beauveria bassiana 7269
Russian Federation
Mariannaea elegans 9456
Sri Lanka
Beauveria bassiana 2454
Switzerland
Entomophthora muscae 392
Pandora dipterigena 1720
Zoophthora radicans 388
Ukraine
Lecanicillium muscarium 9470
Metarhizium anisopliae 9487
Mariannaea elegans 9455
USA, Hawaii
Beauveria bassiana 8707 8712

USA, Maine
Pandora dipterigena 131
USA, New York
Entomophthora muscae 7371
Isaria farinosa 10165
Lecanicillium muscarium 10173
Lecanicillium psalliotae 10179
Lecanicillium wallacei(?) 10172
Pandora dipterigena 1921 1923
Unidentified sp. 1922
USA, Oregon
Smittium sp. 9051
USA, Puerto Rico
Unidentified / Hyphomycetes 7078
USA, Utah
Smittium culicis 9059
USA, Vermont
Beauveria bassiana 10141 10149
Isaria farinosa 10156 10160
Lecanicillium wallacei(?) 10174
Metarhizium anisopliae sensu lato 9939
Unidentified / Hyphomycetes 10171

Diptera: ?Lauxaniidae
Poland
Hirsutella radiata 1369

Diptera: ?Sciaridae
USA, New York
Pandora dipterigena 1887

Diptera: ?Stratiomyidae
Indonesia, Jawa Barat, Java
Isaria fumosorosea 2425

Diptera: Anthomyiidae
Denmark
Conidiobolus sp. 2494
Entomophthora muscae 2678
France
Entomophthora muscae 2087 2088
Botanophila fugax
Denmark
Entomophthora muscae 6712
Delia sp.
France
Entomophthora muscae 2089 2263 2264 2265 2266 2317
Delia antiqua
France
Beauveria bassiana 1864 1865 1866
USA, New York
Entomophthora muscae 3074
Delia floralis
Norway
Arthrobotrys oligospora 5561 5562
Metarhizium anisopliae sensu lato 5520
Tolypocladium cylindrosporum 5525 5526 5527 5528 5529 5530 5531 5532 5558 5559
Delia platura
United Kingdom
Entomophthora muscae 707
Delia radicum
Canada, Québec
Beauveria bassiana 1151
Fusarium oxysporum 1371
Fusarium solani 1148
Denmark
Beauveria bassiana 4012
Conidiobolus sp. 2672
Entomophthora muscae 2665 2668 2670 2674 2675 6706 6707 6708 6709 6710 6711 6717 6811 6814 6815 6818 6821
Strongwellsea castrans 3282 3485
Zoophthora radicans 2666
Norway
Entomophthora muscae 6274
United Kingdom
Beauveria bassiana 6553 6555 6563 6564 6568
Verticillium lecanii 5132 6554
Pegoplata aestiva
Denmark
Beauveria bassiana 8031

Diptera: Bibionidae
France
Fusarium sp. 2252
Plecia sp.
USA, Mississippi
Evlachovaea sp. 7372
Plecia nearctica
USA, Florida
Tolypocladium cylindrosporum 2912

Diptera: Bombylidae
Costa Rica
Aspergillus flavus 3430

Diptera: Brachycera
France
Zoophthora lanceolata 468
Poland
Basidiobolus haptosporus 1347
Erynia sp. 1338
Pandora dipterigena 1422

Diptera: Calliphoridae
Calliphora sp.
France
Beauveria bassiana 1630
Isaria fumosorosea 1646
Lucilia illustris
France
Scopulariopsis sp. 2328
Pollenia sp.
Denmark
Entomophthora schizophorae 6703 6816 6817
Pollenia rudis
USA, New York
Entomophthora muscae 651

Diptera: Cecidomyiidae
Resseliella odai
Japan
Isaria andoi 1684
Isaria flavovirescens 1686

Diptera: Ceratopogonidae
Dasyhelea sp.
Australia
Culicinomyces clavisporus 2478
France
Smittium culisetae 9097
Forcipomyia marksae
Australia
Crypticola clavulifera 1940
Culicinomyces clavisporus 2480 2481
Lagenidium giganteum 2529 2530 2531 2532

Diptera: Chironomidae
Australia
Smittium elongatum 9251
Canada, Ontario
Smittium mucronatum 9067 9090 9144
Costa Rica
Smittium culicisoides 9044
Smittium sp. 9034
Denmark
Entomophthora culicis 5811
France
Smittium culicis 9127 9129
Japan
Smittium simulii 9019 9136
Switzerland
Smittium culisetae 9132
United Kingdom
Erynia conica 2405
Erynia sp. 2507
USA, Arkansas
Smittium sp. 9087
USA, Kansas
Smittium commune 9085
USA, Missouri
Smittium sp. 9145
USA, New York
Entomophaga conglomerata 2273
Erynia conica 2274
Smittium culicis 9011
USA, Oklahoma
Smittium acutum 9092
Smittium caudatum 9000 9261
USA, South Carolina
Saprolegnia sp. 6427
USA, Tennessee
Smittium orthocladii 9080
Chironomus sp.
Australia
Smittium culicis 9003 9142
Costa Rica
Smittium dipterorum 9250
Smittium phytotelmatum 9076
France
Smittium culicis 9045 9046
Japan
Amoebidium parasiticum 9183
USA, Tennessee
Amoebidium appalachense 9181 9255 9256
Smittium lentaquaticum 9068 9253

Chironomus alternans
Australia
Smittium culisetae 9025
Corynoneura sp.
New Zealand
Harpellales, genus undetermined 9089
Smittium culicis 9007 9093
Cricotopus sp.
Chile
Smittium cylindrosporum 9116 9248 9249
USA, Colorado
Smittium coloradense 9001
USA, Oklahoma
Smittium stenosporum 9023
Diamesa sp.
Sweden
Smittium simulii 9139
USA, Colorado
Smittium perforatum(?) 9055
Dicrotendipes fumidus
USA, Kansas
Smittium gravimetallum 9029 9036 9264
Microtendipes sp.
USA, Kansas
Smittium commune 9243 9244 9245
Orthocladius sp.
Sweden
Smittium sp. 9146
USA, Colorado
Smittium coloradense 9002
USA, Kansas
Smittium megazygosporum(?) 9027
USA, Missouri
Smittium sp. 9121
USA, Wyoming
Smittium culisetae 9114
Paraheptagyia sp.
Argentina
Smittium tronadorium 9030
Polypedilum sp.
Costa Rica
Smittium sp. 9120
Procladius paludicola
Australia
Furculomyces boomerangus 9077
Psectrocladius sp.
USA, Colorado
Smittium fecundum 9022 9083
Psectrocladius limbatellus
Norway
Smittium sp. 9050
Psectrocladius paludicola
Australia
Furculomyces boomerangus 9259
Psectrocladius sordidellus
France
Smittium mucronatum 9028
Pseudokiefferiella sp.
Switzerland
Smittium sp. 9147
Tanytarsus sp.
Australia
Smittium angustum 9241
Smittium culicis 9125
Costa Rica
Smittium sp. 9035
Tanytarsus nr. inextentus
Australia
Furculomyces boomerangus 9021

Diptera: Culicidae
Argentina
Smittium culisetae 9075
Smittium culicis 9031
Australia
Culicinomyces clavisporus 2622
Smittium culicis 9057 9123 9140 9141
Smittium sp. 9079
Canada, Ontario
Smittium culicis 9073
Colombia
Lagenidium giganteum 3326
Czech Republic
Tolypocladium cylindrosporum 961
Japan
Smittium culisetae 9015 9109 9110 9111
New Zealand
Tolypocladium cylindrosporum 976 1027 1028 2911
Tanzania
Simplicillium lanosoniveum 8822
USA, Hawaii
Smittium culisetae 9026 9098
USA, Louisiana
Smittium culisetae 9024
USA, New York
Erynia aquatica 764
USA, North Carolina
Culicinomyces clavisporus 706
Lagenidium giganteum 748
USA, Tennessee
Smittium culisetae 9058 9071 9113
Smittium culicis 9010
Smittium lentaquaticum 9082
Smittium sp. 9038 9081 9148
USA, Wyoming
Smittium culisetae 9247
Aedes sp.
USA, New York
Erynia aquatica 750
Aedes aegypti
USA, New York
Leptolegnia chapmanii 6718
Aedes albifasciatus
Argentina
Isaria farinosa 2971
Leptolegnia chapmanii 5499 7787
Smittium culicis 5432 9004
Aedes albopictus
USA, Florida
Smittium culisetae 9013
USA, Hawaii
Smittium culisetae 9014 9047 9099 9100 9101 9104 9105 9106
Aedes australis
New Zealand
Tolypocladium cylindrosporum 841
Aedes crinifer
Argentina
Metarhizium brunneum 2974
Smittium culisetae 9094
Costa Rica
Smittium culisetae 5200
Aedes kochi
Australia
Culicinomyces bisporalis 1948 1949
Aedes melanimon
USA, California
Lagenidium giganteum 3327
Aedes rupestris
Australia
Culicinomyces clavisporus 2471 2472 2473 2474 2475 2476 2477
Aedes sierrensis
USA, California
Isaria farinosa 1939
Tolypocladium cylindrosporum 705 1580
Aedes sticticus
USA, Wyoming
Smittium culicis 9009 9130
Aedes vexans
USA, Hawaii
Smittium culisetae 9102 9103
USA, Kansas
Smittium culisetae 9016 9017
USA, Nebraska
Smittium culisetae 9246
Anopheles sp.
USA, Florida
Unidentified sp. 2563
Anopheles amictus hilli
Australia
Culicinomyces clavisporus 644 645
Anopheles gambiae
Mali
Unidentified sp. 3380 3381
Anopheles quadrimaculatus
USA, North Carolina
Culicinomyces clavisporus 372 582 583 584 585
Culex sp.
France
Smittium culicis 9128 9149
Japan
Smittium culisetae 9048 9107 9108
USA, Florida
Leptolegnia chapmanii 2682
Culex dolosus
Argentina
Smittium culisetae 5430 9131
Culex pervigilans
New Zealand
Smittium culicis 9074
Culex pipiens pipiens
Czech Republic
Conidiobolus thromboides 70
Culex pipiens quinquefasciatus
USA, South Carolina
Leptolegnia chapmanii 2681
Culex renatoi
Argentina
Smittium culicis 5431

Culex restuans
USA, South Carolina
Smittium culisetae 9056
Culex tarsalis
USA, California
Lagenidium giganteum 1384
Culex territans
USA, Louisiana
Lagenidium giganteum 749
Culiseta sp.
USA, Wyoming
Smittium culisetae 9062 9115 9133
Culiseta impatiens
USA, Colorado
Smittium culisetae 9012
Culiseta incidens
USA, California
Smittium culisetae 9095
Culiseta inconspicua
Australia
Culicinomyces clavisporus 2479
Culiseta inornata
Canada, Alberta
Culicinomyces clavisporus 964
Laboratory manipulation
Culicinomyces clavisporus 1260 2482
Culiseta melanura
USA, North Carolina
Lagenidium giganteum 373
Mansonia titillans
USA, Florida
Leptolegnia chapmanii 2562 2680
Ochlerotatus japonicus
USA, Tennessee
Smittium culisetae 9039 9069
Ochlerotatus triseriatus
USA, Kentucky
Lecanicillium muscarium 810
USA, NY
Metarhizium anisopliae sensu lato 3827
Metarhizium brunneum 3826
USA, South Carolina
Smittium morbosum 9060 9061
Wyeomyia smithii
USA, North Carolina
Candida cf. pseudoglaebosa 7146

Diptera: Drosophilidae
USA, Arizona
Paecilomyces sp. 3768
Drosophila sp.
Canada, British Columbia
Aspergillus niger(?) 7975
Penicillium sp. 7976

Diptera: Empididae
Poland
Furia ithacensis 1339 1340

Diptera: Ephydridae
United Kingdom
Beauveria bassiana 6567
?Hydrellia sp.
Indonesia, Jawa Barat, Java
Erynia sp. 2097
Metarhizium anisopliae sensu lato 2105
Scatella stagnalis
United Kingdom
Verticillium lecanii 6561
Scatella tenuicosta
USA, New York
Beauveria bassiana 8245 8246 8247
Metarhizium anisopliae sensu lato 8248 8249

Diptera: Heliomyzidae
USA, Maine
Conidiobolus thromboides 5

Diptera: Itonididae
Poland
Hirsutella nr. *haptospora* 2228

Diptera: Muscidae
Brazil, Alagoas
Beauveria bassiana 1955
Denmark
Entomophthora muscae 5954
Ukraine
Simplicillium lamellicola 9480
USA, Vermont
Beauveria bassiana 10142
Coenosia tigrina
Denmark
Entomophthora muscae 6918
Haematobia irritans
Denmark
Beauveria bassiana 5862 5864 5865 5866 5867
Lecanicillium lecanii(?) 5584 5585
Musca autumnalis
France
Beauveria bassiana 1514
Isaria fumosorosea 1626
Musca domestica
Argentina
Beauveria bassiana 7049
Denmark
Beauveria bassiana 5861 5863
Entomophthora muscae 2542 5952 5953 6121 6122 6123 6124 6125 6126 6127 6128 6129 6130 6131 6132 6133 6134 6135 6136 6140 6141 6164 6165 6713 6714 6715 6716 6812 6813
Entomophthora schizophorae 6137 6138 6139 6142 6143
Isaria fumosorosea 5860
Lecanicillium fusisporum(?) 5578 5579
Verticillium lecanii 5859
France
Fusarium sp. 1522
Isaria fumosorosea 1644 1645 1867 1868
USA, California
Entomophthora muscae 2172
USA, Florida
Beauveria bassiana 7940
USA, Nebraska
Entomophthora schizophorae 5348
USA, New York
Beauveria bassiana 2953 5339 5340 5341 5342 5343 5344 5345 5347
Entomophthora muscae 454 556 557 803 2014

Diptera: Mycetophilidae
Location not specified
Erynia sciarae 1870
Arachnocampa luminosa
New Zealand
Tolypocladium extinguens 2921

Diptera: Nematocera
Poland
Zoophthora radicans 1336 1428
Switzerland
Entomophthora culicis 387
Pandora dipterigena 397
Zoophthora lanceolata 426 469

Diptera: Psilidae
Psila rosae
Denmark
Conidiobolus pseudapiculatus 2493 2496 2497 2502
Entomophthora schizophorae 2540 2541 2667

Diptera: Psychodidae
Switzerland
Erynia ovispora 399 400
Lutzomyia sp.
Costa Rica
Unidentified sp. 3123 3124 3420 3421 3423 3424 3425 3427 3428
Guatemala
Conidiobolus coronatus 3379
Fusarium sp. 3382 3378
Lutzomyia longipalpis
Costa Rica
Unidentified sp. 3422
Lutzomyia saulensis
Costa Rica
Lecanicillium muscarium 3418
Unidentified sp. 3413 3417 3419
Lutzomyia sordelli
Costa Rica
Conidiobolus coronatus 3414 3415
Lecanicillium psalliotae 3416
Lutzomyia trapidoi
Costa Rica
Unidentified sp. 3426
Phlebotomus papatasi
United Kingdom
Beauveria bassiana 2972

Diptera: Ptychopteridae
Ptychoptera contaminata
Denmark
Conidiobolus sp. 2498
Eryniopsis ptychopterae 2535 2671

Diptera: Sarcophagidae
Neobullieria citellivora
Canada, Alberta
Aspergillus flavus 3144

Diptera: Scatophagidae
Scatophaga stercoraria
Denmark
Entomophthora scatophagae 6704 6705

Diptera: Sciaridae
Switzerland
Batkoa apiculata 919 927 1660 1661
United Kingdom
Beauveria bassiana 6566
Bradysia paupera
Denmark
Batkoa apiculata 3225 3226
Lycoriella ingenua
Mexico
Conidiobolus coronatus 9940 9941 9942

Diptera: Sciomyzidae
Sepedon sphegeus
Philippines
Hirsutella sp. 1551

Diptera: Simuliidae
Canada, Newfoundland
Batkoa papillata(?) 7068
Canada, Québec
Erynia curvispora 3229
Unidentified sp. 3227 3228 3230 3231 3232 3233 3235 3236 3245 3246 3247
Costa Rica
Smittium annulatum 9242
Japan
Smittium simulii 9049
Switzerland
Erynia conica 1752 1753
Erynia curvispora 1754
USA, Maine
Saprolegnia sp. 179 180
USA, New York
Erynia conica 2275
Prosimulium sp.
Canada
Smittium culicis 9126
Simulium sp.
Chile
Smittium imitatum 9033
Costa Rica
Smittium dipterorum 9263
Japan
Smittium simulii 9137 9138
United Kingdom
Erynia conica 1439
USA, Minnesota
Smittium simulii 9043 9118 9134
Simulium uchidai
Japan
Smittium simulii 9135
Simulium vandalicum
USA, Tennessee
Barbatospora ambicaudata 9020
Simulium venustum
USA, Maine
Coelomycidium simulii 218
Simulium vittatum
USA, Kansas
Smittium culisetae 9018 9112
Smittium culicis 9008
USA, Minnesota
Smittium culisetae 9096
USA, South Carolina
Smittium culisetae 6810 9032
Smittium megazygosporum 6275 9037

Diptera: Stratiomyidae
Australia
Metarhizium anisopliae sensu stricto 7418 7419 7423 7426 7427 7428
Metarhizium guizhouense 7420
Metarhizium pingshaense 7414 7421 7422 7425 7429
Boreoides tasmaniensis
Australia
Metarhizium anisopliae sensu lato 4600 4620
Chiromyza sp.
Brazil, Minas Gerais
Evlachovaea sp. 6146
Inopus rubriceps
Australia
Metarhizium anisopliae sensu lato 7840 7841 7855 7856 7857 7858 7859 7860 7861 7914 7915 7916 7917 7918 7919 7920 7926 8497

Diptera: Syrphidae
Denmark
Entomophthora muscae 2673
USA, New York
Entomophthora muscae 826
Eumerus strigatus
United Kingdom
Metarhizium anisopliae var. *anisopliae* 6550
Melanostoma scalare
Denmark
Entomophthora syrphi 6819 6820
Platycheirus clypeatus
Denmark
Entomophthora syrphi 6702
Triglyphus primus
Denmark
Entomophthora syrphi 5955

Diptera: Tachinidae
Canada, New Brunswick
Tolypocladium inflatum 3281
France
Beauveria bassiana 1150
Poland
Isaria farinosa 1348 1349

Diptera: Thaumaleidae
Australia
Smittium culicis 9124
New Zealand
Smittium culicis 9084
Austrothaumalea sp.
Australia
Smittium culicis 9005 9041

Diptera: Tipulidae
Canada, Ontario
Smittium culicis 9091
France
Lecanicillium muscarium 2329
Ukraine
Isaria sp. 9508
USA, New York
Unidentified Entomophthorales sp. 7227 7228 7229 7230
USA, Oregon
Smittium sp. 9086
USA, Vermont
Isaria coleopterorum 10163
Aphrophila bidentata
Chile
Smittium simulatum 9042 9078 9117
Dactylolabis montana
Canada, Ontario
Smittium culicis 9143
Elliptera astigmatica
USA, Colorado
Smittium tipulidarum 9052 9053 9054 9122
Limonia sp.
Australia
Smittium culicis 9006 9040
Tipula sp.
USA, Vermont
Myrothecium verrucaria 9359
Unidentified sp. 9334
Tipula paludosa
Switzerland
Batkoa gigantea 214 215 403
Eryniopsis caroliniana 640 641 642
United Kingdom
Beauveria bassiana 6565
Conidiobolus sp. 6424

Diptera: Ulidiidae
Tetanops myopaeformis
USA, North Dakota
Fusarium sp. 7382
*Synglioclad*ium *sp.* 5217
*Synglioclad*ium *tetanopsis* 4972 5497 5577

Diptera: Xylophagidae
Russian Federation
Isaria farinosa 9512
USA, New York
Ophiocordyceps variabilis 4080
Xylophagus sp.
USA, New York
Ophiocordyceps variabilis 5365 5366 5367 5414 5415 5416 5417 5418 5419 5420 5421 5422 5423 5424 5425 5426 5427 5428 5429

Hemiptera
Poland
Unidentified sp. 1423
USA, Florida
Beauveria bassiana 5978

Hemiptera: Anthocoridae
Anthocoris nemorum
Denmark
Beauveria bassiana 8028

Hemiptera: Coreidae
Leptoglossus fulvicornis
USA, Florida
Beauveria bassiana 3086

Hemiptera: Cydnidae
?Cirtonemus sp.
Brazil, Goiás
Metarhizium robertsii 1952
Scaptores castanea
Brazil, Goiás
Metarhizium pingshaense 1448

Hemiptera: Lophopidae
Pyrilla perpusilla
India
Fusarium subglutinans 2143 2144

Hemiptera: Lygaeidae
Kazakhstan
Isaria farinosa 6496
USA, Hawaii
Beauveria bassiana 8706
Blissus leucopterus
USA, Kansas
Beauveria bassiana 792 2430
Nysius vinitor
Australia
Beauveria bassiana 300
Scolopostethus affinis
Denmark
Beauveria bassiana 8027

Hemiptera: Mesoveliidae
Mesovelia mulsanti
USA, Florida
Beauveria bassiana 320

Hemiptera: Miridae
Costa Rica
Beauveria bassiana 3449 3454 3456
Indonesia, Jawa Barat, Java
2132
South Africa
Isaria farinosa 6607
USA, New York
Pandora delphacis 3062
Adelphocoris sp.
Austria
Beauveria bassiana 1533 1534 1535 1536 1537 1538 1539 1540 1635 1636 1637 1638 1640 1643
Fusarium sp. 1641
Trichothecium roseum 1639 1642
France
Beauveria bassiana 1516 1517 1523 1524 1650 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801
Italy
Beauveria bassiana 1525 1526 1527 1528 1529 1531
Beauveria sp. 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1213 1214 1215 1216 1218 1219 1220 1221 1222 1224 1307
Isaria fumosorosea 1530 1532
Trichothecium roseum 1212 1226 1308
Trichothecium sp. 1217 1223
Cyrtorhinus lividipennis
Philippines
Hirsutella sp. 2208 2209
Dicyphus pallidus
Switzerland
Zoophthora radicans 389
Leptopterna dolabrata
Denmark
Beauveria bassiana 8036
Liocoris tripustulatus
Denmark
Beauveria bassiana 8025
Lygus sp.
France
Beauveria bassiana 1394 1395 1396 1397 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1520 1521 1648 1649 2318 2319 2320 2321 2322 2458 2462
Greece
Beauveria bassiana 1802 1803 1812 1822
Spain
Beauveria bassiana 886 1804 1805 1806 1807 1808 1809 1810 1813 1814
USA, New York
Pandora neoaphidis 1570
Lygus ?lineolaris
France
Beauveria bassiana 1317 1318 1319 1320 1321 1322 1323 1324 1325
Lygus hesperus
USA, California
Beauveria bassiana 6660 6661
Lygus lineolaris
USA, Arkansas
Beauveria bassiana 3769
Pandora heteropterae 9266
USA, Mississippi
Beauveria bassiana 8317 8889
USA, New York
Beauveria bassiana 5808
USA, Vermont
Unidentified / Hyphomycetes 6504
Lygus pratensis
France
Beauveria bassiana 2461
Notostira elongata
Denmark
Beauveria bassiana 8029 8030
Switzerland
Furia virescens 394
Zoophthora anglica 916 926
Stenodema laevigatum
Denmark
Beauveria bassiana 8026

Hemiptera: Nabidae
Nabis sp.
Austria
Beauveria bassiana 1988

Hemiptera: Pentatomidae
Austria
Beauveria bassiana 1973 1974
Brazil, Amazonas
Metarhizium anisopliae sensu stricto 755
Brazil, Goiás
Beauveria bassiana 737
Brazil, Mato Grosso
Beauveria bassiana 944
Costa Rica
Isaria fumosorosea 3429
France
Beauveria bassiana 1984
Malaysia
Purpureocillium lilacinum 531
Republic of Korea
Beauveria bassiana 6722
Cordyceps sp. 4846
Polycephalomyces ramosus 4858
USA, Puerto Rico
Paecilomyces sp. 7075
Acanthosoma labiduroides
Nepal
Beauveria bassiana 7273
Republic of Korea
Beauveria bassiana 7240 7246
Unidentified / Hyphomycetes 5698
Aelia sp.
Kazakhstan
Isaria farinosa 6493 6497
Verticillium sp. 6500
Turkey
Cylindrocarpon sp. 5758
Uzbekistan
Beauveria bassiana 6093
Isaria farinosa 6097 6098
Dolycorus sp.
Turkey
Aspergillus niger 6407
Aspergillus sp. 6405 6406 6408
Beauveria bassiana 6404 6426
Fusarium sp. 6411
Edessa meditabunda
West Indies
Purpureocillium lilacinum 10225
Euschistus heros
Brazil, Goiás
Beauveria bassiana 1478
Halyomorpha halys
USA, New Jersey
Fusarium sp. 10311 10312 10313 10388 10389 10390 10391 10309 10310
Unidentified / Hyphomycetes 10386 10387 10392

Nezara viridula
Argentina
Beauveria bassiana 2011 2457 2516
Brazil
Beauveria bassiana 4092 4093
Brazil, Paraná
Beauveria bassiana 1054
Metarhizium anisopliae sensu lato 1055
Brazil, Santa Catarina
Beauveria bassiana 1474
Brazil, São Paulo
Paecilomyces sp. 3101
India
Aspergillus sp. 8280
Oebalus poecilus
Brazil, Goiás
Beauveria bassiana 2191
Podisus sp.
Brazil, Paraná
Beauveria bassiana 1457 2519
Scotinophara coarctata
Malaysia
Purpureocillium lilacinum 763
Philippines
Metarhizium anisopliae sensu lato 1432 1548 2341 2342 2343
Metarhizium pingshaense 1545
Sterile mycelium 1435
Tibraca limbativentres
Brazil
Beauveria bassiana 4091
Brazil, Goiás
Beauveria bassiana 933
Metarhizium anisopliae sensu lato 1882 1883 2212 2213 2214
Purpureocillium lilacinum 2215

Hemiptera: Reduviidae
Triatoma infestans
Argentina
Beauveria bassiana 7147
Fusarium sp. 7473
Purpureocillium lilacinum 7478

Hemiptera: Rhopalidae
Kazakhstan
Verticillium sp. 6498
Leptocoris sp.
Indonesia, Lombok Island
Beauveria bassiana 560
Indonesia, Yogyakarta, Java
Beauveria bassiana 566
Leptocoris oratorius
Philippines
Beauveria bassiana 1269 1270

Hemiptera: Scutelleridae
Eurygaster sp.
Iran
Beauveria bassiana 10353 10354 10355 10356 10357 10358 10359 10360 10361 10362
Isaria sp. 10363 10364 10365 10366 10367 10368 10369 10370 10371 10372 10373 10374 10375 10376 10377 10379 10380 10381 10382 10383 10384 10385
Kazakhstan
Isaria farinosa 6481 6490 6495
Purpureocillium lilacinum 6494 6502
Verticillium lecanii 6479
Verticillium sp. 6485
Kyrgyz Republic
Beauveria bassiana 8932 10352
Verticillium sp. 6480
Republic of Kazakhstan
Beauveria bassiana 10351
Isaria sp. 10378
Russian Federation
Beauveria bassiana 6008 6009 6011 6013 6014 6015 6016 6019 6022 6039 6040 6041 6042 6043
Beauveria brongniartii 6023
Isaria farinosa 6012 6017 6020 6044
Purpureocillium lilacinum 6018 6021 6024 6026
Verticillium lecanii 6010 6025
Syria
Aphanocladium album 5756
Beauveria bassiana 5674 6065 6066 6067 6069 6070 6079 6086 6087 6088 6089 6090 6091 6149
Fusarium sp. 5682 5755 5757
Lecanicillium muscarium 6118
Lecanicillium psalliotae 5681 5683 5763 5835 6071
Purpureocillium lilacinum 6080 6114 6116
Verticillium lecanii 6068 6085
Turkey
5723
Aspergillus niger 5721
Aspergillus ochraceus 5722
Aspergillus sp. 6399
Beauveria bassiana 5665 5724 5725 5753 5762 10348 10349
Beauveria bassiana(?) 5684
Beauveria sp. 5686 5680 6394 6395 6396 6397 6398 6400 6401 6402 6403 6409 6410 6425 6428 6429
Isaria farinosa 5675 5676 5679
Lecanicillium psalliotae 5666
Uzbekistan
Beauveria bassiana 6056 6060 6072 6073 6076 6083 6115
Purpureocillium lilacinum 6081 6082 6084 6094 6117
Eurygaster integriceps
Iran
Isaria farinosa 6288

Hemiptera: Tingidae
Corythucha ciliata
France
Beauveria bassiana 812
Leptopharsa heveae
Brazil, Amazonas
Evlachovaea sp. 6638
Lecanicillium aphanocladii(?) 7986
Brazil, Distrito Federal
Evlachovaea sp. 6641
Simplicillium lanosoniveum 6642
Brazil, Mato Grosso
Beauveria bassiana 7984 8637 8638
Evlachovaea sp. 6635 6639 6640
Lecanicillium aphanocladii(?) 7985
Lecanicillium sp. 8639
Simplicillium lanosoniveum 6636 6637
Tolypocladium sp. 6634
Unidentified / Hyphomycetes 8640
French Guiana
Simplicillium lanosoniveum 6430 6431 6432
Verticillium lecanii 6651

Heteroptera
Denmark
Beauveria bassiana 4057

Heteroptera: Miridae
Denmark
Beauveria bassiana 4035
Lygus sp.
Denmark
Beauveria bassiana 4053

Homoptera
Iran
Verticillium lecanii 6290
Location not specified
Metarhizium anisopliae sensu lato 4901 4902
Mexico
Aschersonia sp. 3015
Purpureocillium lilacinum 9604
Russian Federation
Beauveria bassiana 7583
Unidentified / Hyphomycetes 7806
Trinidad
Hirsutella sp. 4511
USA, Puerto Rico
7369
Aschersonia andropogonis 7391
Aschersonia rhombispora 7390
Unidentified / Hyphomycetes 7392
Colombia
Aschersonia turbinata 1030

Homoptera: ?Aphididae
Poland
Conidiobolus obscurus 243

Homoptera: Adelgidae
Adelges tsugae
Beauveria bassiana(?) 5815
PR China
Beauveria bassiana 6027
Isaria farinosa 6028 6029 6030 6031 6032 6033 6034 6036 6037 6038 6048 6049
Verticillium lecanii 6035 6045 6046 6047 6050
USA, Connecticut
Beauveria bassiana 5767
Beauveria bassiana(?) 5816 5817 5818
Isaria farinosa 5826 5827

Sterile mycelium 5819
Verticillium lecanii 5759
USA, Maine
Phoma sp. 9920 9921
USA, Massachusetts
Acremonium sp. 5773
Beauveria bassiana 5170 5171 5770 5796
Fusarium sp. 5803 5825 5823
Isaria farinosa 5178 5774 5775 5776 5784 5788 5790 5792 5797 5799 5800 5801 5802 5830
Lecanicillium(?) sp. 9369 9175 9176
Metarhizium anisopliae sensu lato 9590
Paecilomyces sp. 5179 5180 5164
Trichoderma lignorum 5176
Verticillium lecanii 5165 5777 5778 5779 5780 5781 5782 5783 5785 5786 5787 5789 5791 5793 5794 5798 5820 5828 5829
USA, New Hampshire
Acremonium(?) sp. 9368 9367
Eurotiomycetes, genus undetermined 9360 9361
Exophiala sp. 9362 9924 9925 9926 9915 9916 9917 9918 9919 9923 9365 9922 9363
Unidentified / Hyphomycetes 9364 9366
USA, New Jersey
Verticillium lecanii 5795
USA, Virginia
Beauveria bassiana 5768 5769
Isaria farinosa 5760 5761
Verticillium lecanii 5771 5772 5821 5822 5824
Dreyfusia normannianiae
Denmark
Verticillium lecanii 5854

Homoptera: Aleyrodidae
Brazil, Bahia
Fusarium sp. 4002 4003
Mexico
Aschersonia sp. 3014
Nepal
Cladosporium sp. 3706 3711
Russian Federation
Lecanicillium muscarium(?) 9464
Simplicillium lamellicola 9481
Unidentified / Hyphomycetes 9539
Lecanicillium fungicola 9482
Spain
Lecanicillium muscarium 3709
Sterile mycelium 3710
Trichothecium roseum 3708
Uganda
Aschersonia sp. 5216
USA, Florida
Aschersonia aleyrodis 430 432
USA, Puerto Rico
Aschersonia sp. 5215 7070
Malaysia
Aschersonia aleyrodis 4209
Aschersonia sp. 4207 4210 4448 4449
Thailand
Aschersonia sp. 4208 4433 4435 4436 4437 4438 4439 4440 4441 4442 4443 4444 4445
Aglaia odoratissima
Indonesia, Jawa Barat, Java
Aschersonia aleyrodis 2154
Aleurocanthus woglumi
USA, Florida
Isaria farinosa 2954
Bemisia sp.
Hong Kong
Isaria fumosorosea 6797 6798
Mexico
Isaria fumosorosea 3313 3800
Isaria javanica 3303
Unidentified sp. 3798 3799 3801 3802 3805 3806 3807
Bemisia argentifolii
Brazil, Paraná
Isaria fumosorosea 5154 5155 5156 5157 5158 5159
Paecilomyces sp. 5160
USA, Texas
Isaria fumosorosea 5462 5463 5464
Isaria poprawskii 7028
Bemisia tabaci
Brazil, São Paulo
Isaria fumosorosea 6434 6435
Lecanicillium psalliotae 6436
Denmark
4068 4058 4059
Lecanicillium psalliotae 5582
Mixed Culture sp. 4066
Verticillium lecanii 4064 4065 4067 4069 4070 4071 4072
Egypt
Simplicillium sp. 6584
French Polynesia
Scopulariopsis sp. 8825 8826 8827
India
Aspergillus sp. 3698
Isaria fumosorosea 3699 3700 3843 4490 4491 4492 4493 4494 4495 4496 4497
Paecilomyces sp. 3873 3868 3773 3779 3869
Location not specified
Beauveria bassiana 5274 5275 5276 5277 5281 5282 5285
Isaria fumosorosea 3408 5299 5300 5301 5302 5303 5304 5305 5329
Mexico
Fusarium sp. 3672 3676 3677 3679
Nepal
Isaria fumosorosea 4482 4483 4484 4485 4486 5297
Paecilomyces sp. 3870 3871 3872 3844
Pakistan
Isaria farinosa 5081 5082 5083 5084
Isaria fumosorosea 3848 3851 3878 4498 4499 4501 4502 4503 5085 5086 5087 5088 5089 5090 5107 5113 5115 5116 5117 5118 5119 5121 5122 5272 5298 5475 5476
Paecilomyces sp. 3874 3875 3877 5091 5092 5093 5094 5095 5096 5097 5098 5099 5100 5101 5102 5103 5104 5105 5106 5108 5109 5110 5111 5112 5114 3842 3845 3847 3849 3850 3876
Philippines
Beauveria bassiana 4981 4982 4983 4984 5287 5288 5289 5290 5291 5292 5293 5294 5295 5296
Taiwan
Paecilomyces sp. 4985 4986 4987 4988 4989
United Kingdom
Isaria fumosorosea 6562
USA, Arizona
Beauveria bassiana 5283 5284
Isaria fumosorosea 5327 5328
USA, California
Fusarium sp. 3668 3669 3670 3671 3673 3674 3675 3678
Isaria farinosa 3658 3659 3661
Isaria fumosorosea 3660 3662 3663
USA, Florida
Aphanocladium album 3680
Isaria fumosorosea 3076 3083 3322
USA, Hawaii
Isaria fumosorosea 3889
USA, Texas
Fusarium sp. 5332
Isaria farinosa 3572 3574 3575 3576 3578 3579 3580 3582 3583 3584 3585 3586 3587 3588 3589 3591 3592 3593 5306
Isaria fumosorosea 3581 3590 3594 5260 5261 5262 5263 5264 5265 5266 5267 5268 5269 5270 5271 5307 5308 5309 5310 5311 5312 5313 5314 5315 5316 5317 5318 5319 5320 5322 5323 5324 5325 5326 5330 5331
Isaria javanica 3573 3577 3776 3778 5259 5321
Paecilomyces sp. 3772 3774 3775 3777 3780 3781 3782 3783 3784 3785 3786 3787 3788
USA, Vermont
Beauveria bassiana 5278 5279 5280
Dialeurodes ?citri
USA, Florida
Aschersonia aleyrodis 341 342
Aschersonia goldiana 343
Dialeurodes citri
Brazil, Paraná
Aschersonia sp. 4424 4426 4430 4431 4432
Indonesia, Yogyakarta, Java
Aschersonia sp. 2351 2397 2398
Japan
Aschersonia aleyrodis 992
Aschersonia placenta 7603
Mexico
Unidentified sp. 3304
Philippines
Aschersonia sp. 2357 2358
Aschersonia insperata 2356 2396

Republic of Georgia
Aschersonia aleyrodis 9535
Singhiella simplex
USA, Florida
Purpureocillium lilacinum 9610
Trialeurodes vaporariorum
Isaria fumosorosea 8716
Argentina
Isaria fumosorosea 6916 7051 7204 7205 8717 8718 8719 8720 8721 8723 8724 8725 8726 8727 8728 8729 8730 8928
Isaria javanica 7477
Lecanicillium lecanii 7207
Lecanicillium longisporum 7206 7461
Lecanicillium muscarium 7460
Canada, Alberta
Beauveria bassiana 6920 6921 6922 6923 6924
Denmark
Lecanicillium lecanii(?) 4060
Verticillium lecanii 4061
India
Purpureocillium lilacinum 3846
Kazakhstan
Beauveria bassiana 9451
Malaysia
Isaria farinosa 4412
Isaria fumosorosea 4205 4401 4404 4406 4407 4408 4409 4410 4411 4413 4414 4415
Mixed Culture sp. 4403 4402
Netherlands
Aschersonia aleyrodis 2268
Poland
Lecanicillium muscarium 972
Sweden
923
United Kingdom
Lecanicillium muscarium 5128
Verticillium lecanii 6544 6547
USA, Florida
Isaria fumosorosea 2658

Homoptera: Aphididae
Argentina
Lecanicillium longisporum 7457 7458 7459 7783 7784
Zoophthora radicans 7455 7788 7789
Zoophthora sp. 7454
Australia
Pandora neoaphidis 381
Canada, Ontario
Verticillium lecanii 5809
Colombia
Isaria fumosorosea 6789
Commonwealth of Independent States
Conidiobolus thromboides 58 59 248 249 250
Denmark
Lecanicillium lecanii(?) 5581
Verticillium lecanii 4073
France
Beauveria bassiana 3120 3121
Conidiobolus obscurus 434
Unidentified sp. 3122 3125
India
Lecanicillium muscarium 2659
Israel
Pandora neoaphidis 78
Unidentified sp. 4214 4215
Japan
Conidiobolus sp. 999
Conidiobolus thromboides 1006
Malaysia
Isaria fumosorosea 4400
Unidentified sp. 4204
Verticillium lecanii 4416 4417 4418 4419 4420 4421 4422 4423 4453 4454 4455 4456 4457
Verticillium sp. 4194 4195 4203 4398 4399
Mexico
Lecanicillium lecanii 6887
Lecanicillium longisporum 8042
Pakistan
Fusarium sp. 3704 3707 3703 3705 3712
Russian Federation
Lecanicillium psalliotae 9474
USA, California
Pandora neoaphidis 6902
USA, Florida
Isaria fumosorosea 3682
USA, Hawaii
Cladosporium cladosporioides(?) 7033
Lecanicillium muscarium 7034
USA, Maine
Pandora nouryi 199
USA, New York
Beauveria bassiana 4523 4524
Lecanicillium longisporum 7923
USA, Vermont
Unidentified / Hyphomycetes 6503 6157 6158 6159 6507 6508 6509 6510 6511
Verticillium lecanii 5166
USSR
Unidentified sp. 3894
Venezuela
Lecanicillium longisporum 974
Yugoslavia
Conidiobolus sp. 1426
Pandora neoaphidis 1695
Unidentified sp. 1693 1694
Yugoslavia, Belgrade
Batkoa major 1427
Erynia sp. 2279
Pandora neoaphidis 1696 2016 2298
Acyrthosiphon kondoi
Australia
Batkoa apiculata 839
Conidiobolus obscurus 354 824
Entomophthora chromaphidis 1860 1862 1863
Pandora kondoiensis 369 825 828 836 837
Pandora nouryi 362
Acyrthosiphon pisum
Australia
Conidiobolus obscurus 834
Pandora neoaphidis 827 830 838
Commonwealth of Independent States
Conidiobolus thromboides 100
Denmark
Batkoa apiculata 2504
France
Pandora neoaphidis 1598 1605 1609
Laboratory manipulation
Conidiobolus obscurus 832 1741
Pandora neoaphidis 4934
Russian Federation
Conidiobolus thromboides 6662
Spain
Pandora neoaphidis 1603
Switzerland
Pandora neoaphidis 7937
Syria
Unidentified / Zygomycetes 6119 6160
United Kingdom
Conidiobolus coronatus 1738
USA, Idaho
Pandora neoaphidis 3240 6631
USA, New York
Batkoa apiculata 3136 3140
Batkoa sp. 3131
Conidiobolus obscurus 3132 3133 3134 3135 3137 3138 3139 3141
Pandora neoaphidis 2583 2584 2585 2587 2588 2589 2591 2592 2593 2594 2754 2755 2756 2757 2758 2760 2761 2762 2763 2766 2767 2768 2769 2773 2781 2782 2783 2784 2837 2838 2839 2840 2842 2844 2845 2846 2847 2848 2851 2852 2853 2854 2855 2856 2865 2866 2867 2868 2870 2872 2873
Zoophthora occidentalis 2841 3027 3028 3029 3071 3073
USA, Washington
Pandora neoaphidis 3234 3237
Yugoslavia, Voyvodina
Pandora neoaphidis 2017 2018
Anoecia corni
Switzerland
Zoophthora aphidis 425
Aphidula sp.
France
Pandora neoaphidis 1610 1615
Aphis sp.
Canada, Québec
Conidiobolus obscurus 124
Pandora neoaphidis 128
USA, Washington
Pandora neoaphidis 3410
Aphis armata
France
Conidiobolus obscurus 133 355
Aphis fabae
Argentina
Lecanicillium muscarium 7785
Zoophthora radicans 7208

Denmark
Pandora neoaphidis 5995
France
Pandora neoaphidis 1606 1611 1981 1985
India
Fusarium sp. 8277 8278 8287
Poland
Conidiobolus thromboides 242 244 245 246 247 630 631 632 633 634 635
Pandora neoaphidis 608 609 610 611 612 613 614 636 637 638 639
United Kingdom
Conidiobolus thromboides 42 1735
USA, Washington
Conidiobolus sp. 3383
Pandora neoaphidis 3238 3241
Yugoslavia, Voyvodina
Pandora neoaphidis 2019 2020
Unidentified / Zygomycetes 2022
Aphis glycines
USA, New York
Conidiobolus thromboides 7209 7210 7211
Pandora neoaphidis 7212 7213 7214 7226 8607
Aphis gossypii
Brazil, Rio de Janeiro
Cladosporium herbarum 4361
India
Fusarium sp. 7233
Israel
Conidiobolus thromboides 83 194
Turkey
Fusarium sp. 5726 5727 5728
United Kingdom
Verticillium lecanii 6541
USA, Pennsylvania
Beauveria bassiana 5493 5494
Aphis rumicis
Switzerland
Lecanicillium lecanii 7530
Brachycaudus amygdalinus
Israel
Zoophthora radicans 75
Brachycaudus helichrysi
United Kingdom
Verticillium lecanii 6540
Brevicoryne brassicae
Brazil, Paraná
Sterile mycelium 4376
Denmark
Pandora neoaphidis 5371 5372 5373 5374
France
Pandora neoaphidis 1613 1616 1617
Japan
Batkoa apiculata 1146
United Kingdom
Verticillium lecanii 5131
USA, New York
Cladosporium sp. 4795
Yugoslavia
Lecanicillium lecanii 1787
Pandora neoaphidis 1784 1785 1786 1824 1825 1826 1827 2124 2128
Yugoslavia, Belgrade
Conidiobolus sp. 2130 2294
Pandora neoaphidis 2108 2109 2110 2112 2114 2115 2116 2117 2118 2119 2120 2121 2122 2280 2293
Zoophthora phalloides 2281
Yugoslavia, Bosnia and Hercegovina
Pandora neoaphidis 2123
Capitophorus sp.
France
Zoophthora radicans 822
Cavariella theobaldi
United Kingdom
Conidiobolus thromboides 101 102 363 1733 1734
Dactynotus formosanus
Japan
Pandora neoaphidis 1137
Diuraphis noxia
Canada, Alberta
Lecanicillium muscarium 3000
France
Beauveria bassiana 3867
Isaria fumosorosea 4383
Pandora neoaphidis 3126 3174 3175
Hungary
Beauveria bassiana 6968 6969
Beauveria bassiana(?) 6608
Verticillium lecanii 6606
Laboratory manipulation
Beauveria bassiana 3215 3890 3891 3892 3905 3906 3907 3908 4099 4100 4101 4106 4107 4108 4109 4110 4111 4112 4113 4114 4115 4116 4117 4118 4119 4120 4121
Isaria fumosorosea 3824 4459 4460 4461
Lecanicillium lecanii(?) 3882 3883 3884
Lecanicillium muscarium 3861
Metarhizium anisopliae sensu lato 3822
Verticillium lecanii 3862 3881 3902 3903 3904 3909
Zoophthora radicans 3163
Lesotho
Isaria farinosa 6609
South Africa
Beauveria bassiana 5705 6978 6979 6980
Conidiobolus thromboides 4968
Fusarium sp. 4969
Isaria farinosa 6222 6983
Lecanicillium lecanii 5706
Purpureocillium lilacinum 6985
Turkey
Beauveria bassiana 3153 3154 3155 3156 3157 3158 3166 3167 3168 3169
USA, Colorado
Pandora neoaphidis 3081 3082
USA, Idaho
Beauveria bassiana 2861 2864 2879 2882
Lecanicillium muscarium 2862 2877 2878
Unidentified / Zygomycetes 4970 4971
USA, New York
Beauveria bassiana 4462 4463 4464 4691 4692 4693 4694 4695 4696 4697 4976 4977 4978 4979
Isaria fumosorosea 4698 4699 4700 4701 4702 4703 4704 4705 4706 4707 4708 4709 4710 4711
Unidentified / Hyphomycetes 4689 4690
Diuraphis tritici
USA, Montana
Conidiobolus thromboides 2914
Drepanosiphum aceris
Switzerland
Zoophthora radicans 914 1130
Eriosoma lanigerum
South Africa
Conidiobolus sp. 6659
Hirsutella illustris 5539
Hyalopterus pruni
France
Pandora neoaphidis 1596
Hyperomyzus lactucae
Australia
Pandora neoaphidis 829 835
Chile
Pandora neoaphidis 833
Lipaphis erysimi
PR China
Pandora nouryi 8930 8931
Macrosiphoniella sanborni
United Kingdom
Lecanicillium longisporum 5126
Verticillium lecanii 6542
Macrosiphum sp.
France
Pandora neoaphidis 1607 1612
Macrosiphum akebiae
Japan
Pandora neoaphidis 1134
Macrosiphum euphorbiae
USA, Idaho
Lecanicillium muscarium 2858
USA, Maine
Batkoa apiculata 174
Conidiobolus obscurus 182
Conidiobolus thromboides 40
Lecanicillium muscarium 204
Pandora neoaphidis 181
Zoophthora occidentalis 207
Yugoslavia, Belgrade
Erynia sp. 2292
Macrosiphum rosae
France
Pandora neoaphidis 1986 1987
Metopolophium dirhodum
France
Conidiobolus obscurus 97
South Africa
Pandora neoaphidis 5707 5708

USA, Idaho
Conidiobolus coronatus 2812 2813 2814
Conidiobolus thromboides 2828 2829 2849 2850
Pandora neoaphidis 2874 2875 2876 3365 3367
Unidentified sp. 3368
Zoophthora radicans 2811
USA, Montana
Conidiobolus obscurus 3092
Microlophium carnosum
Switzerland
Pandora neoaphidis 7938
Myzus sp.
Spain
Pandora neoaphidis 1601 1602
Myzus nr. *persicae*
France
Lecanicillium aphanocladii 2324
Lecanicillium muscarium 2323 2325 2326
Myzus ascalonicus
France
Batkoa apiculata 67
Myzus cerasi
Norway
Lecanicillium lecanii 6915
Lecanicillium muscarium 6914
Myzus nicotinae
USA, Kentucky
Pandora neoaphidis 3411 3412 3459
Unidentified sp. 3239
Myzus persicae
Argentina
Lecanicillium lecanii 7462
Lecanicillium muscarium 7782
Brazil, Paraná
Aspergillus clavatus 4359
Commonwealth of Independent States
Conidiobolus thromboides 63 99
Denmark
4078
Lecanicillium fusisporum 5583
Verticillium lecanii 4075 4076 4077 4079
Verticillium sp. 4074
India
Lecanicillium longisporum 1026
Location not specified
Isaria fumosorosea 3458
Portugal
Pandora neoaphidis 1600
Spain
Pandora neoaphidis 2085 2086
United Kingdom
Verticillium lecanii 5130 6543
USA, Arkansas
Pandora neoaphidis 3248 3249 3250 3251
USA, California
Lecanicillium muscarium 3324
USA, Florida
Conidiobolus thromboides 39
USA, Maine
Batkoa apiculata 129
Conidiobolus thromboides 2 41 57
USA, New York
Lecanicillium muscarium 8714
USA, Washington
Beauveria bassiana 3385
Conidiobolus sp. 3384
Lecanicillium lecanii 3387
USA, Wisconsin
Conidiobolus thromboides 649
Myzus rannaculinum
France
Zoophthora phalloides 352
Ovatus crataegarius
Denmark
Entomophthora planchoniana 6251 6252
Pemphigus sp.
United Kingdom
Metarhizium flavoviride var. *pemphigum* 7491
Pemphigus betae
USA, Arizona
Cladosporium cladosporioides 3463
Lecanicillium muscarium 3464
Pemphigus trehernei
United Kingdom
Metarhizium anisopliae sensu lato 6570
Metarhizium flavoviride var. *pemphigum* 6569
Rhopalosiphum insertum
France
Conidiobolus thromboides 73
Rhopalosiphum maidis
USA, Montana
Batkoa apiculata 3088 3091
Conidiobolus obscurus 3089 3090
Rhopalosiphum nymphaeae
USA, Florida
Lecanicillium longisporum 321
Rhopalosiphum padi
Denmark
Batkoa apiculata 5994
Conidiobolus obscurus 5992
Conidiobolus osmodes(?) 5993
Hungary
Beauveria bassiana 6970
Japan
Conidiobolus obscurus 1131
South Africa
Unidentified sp. 3374
USA, Colorado
Batkoa apiculata 3080
USA, Idaho
Fusarium sp. 2337
Schizaphis graminum
Canada, Alberta
Conidiobolus thromboides 2955
USA, Idaho
Beauveria bassiana 2336 2860 2880 2881 2883
Pandora neoaphidis 3366
USA, Michigan
Conidiobolus sp. 1967
Sitobion sp.
Pandora neoaphidis 1597
France
Pandora neoaphidis 1604
Sitobion avenae
Denmark
Pandora neoaphidis 5403 6166
USA, Idaho
Fusarium sp. 2333
Lecanicillium muscarium 2334
Lecanicillium psalliotae 2332
Stachybotrys sp. 2863
Verticillium lecanii 2859
Therioaphis maculata
Australia
Zoophthora radicans 359 370 823
Israel
Zoophthora radicans 103 104 105 106 107 108 109 110 111 112 114 139
Mexico
Zoophthora radicans 379
USA
Pandora nouryi 366
USA, California
Conidiobolus obscurus 74
Conidiobolus thromboides 15 29 115 208
USA, Illinois
Erynia sp. 1666
USA, New York
Zoophthora radicans 237 238 239
Therioaphis trifolii f. maculata
Israel
Zoophthora radicans 3737
Toxoptera aurantii
Colombia
Fusarium sp. 6790
Toxoptera citricida
Argentina
Lecanicillium longisporum 2460
Lecanicillium sp. 2009
Dominican Republic
Verticillium lecanii 6144 6145
Uroleucon sp.
Canada, Québec
Conidiobolus obscurus 121 122
Conidiobolus thromboides 120
Uroleucon ambrosiae
Mexico
Lecanicillium lecanii 6886
Uroleucon formosanus
Japan
Pandora neoaphidis 993

Homoptera: Cercopidae
Argentina
Metarhizium anisopliae sensu lato 7474 7475 7476 8376 8527
Brazil
Metarhizium anisopliae sensu lato 1899 1902 1911 3147 8498
Brazil, Bahia
Metarhizium anisopliae sensu lato 1282 1299 1379 1382
Metarhizium anisopliae sensu stricto 1045

Brazil, Pará
Metarhizium anisopliae sensu lato 1890 1891 1895
Ghana
Pseudogibellula formicarum 2913
Mexico
Metarhizium anisopliae sensu lato 3307
Metarhizium anisopliae sensu stricto 1912
PR China
Cordyceps sp. 6349
Switzerland
Conidiobolus sp. 391
USA, New York
Zoophthora radicans 800
Aeneolamia postica
Costa Rica
Fusarium sp. 3345
Aeneolamia varia
Colombia
Aspergillus sp. 6369 6372
Metarhizium anisopliae sensu lato 6319 6342 6343 6345 6346
Metarhizium anisopliae sensu stricto 798 6347
Trichoderma viride(?) 6344
Unidentified sp. 6370
Trinidad and Tobago
Metarhizium anisopliae sensu stricto 3621
Deois sp.
Brazil, Mato Grosso
Conidiobolus sp. 2147
Brazil, Paraná
Metarhizium anisopliae sensu lato 2521
Deois flavopicta
Brazil
Metarhizium anisopliae sensu stricto 2517
Brazil, Bahia
Metarhizium anisopliae sensu stricto 1900
Brazil, Distrito Federal
Beauveria bassiana 3019
Purpureocillium lilacinum 3481
Brazil, Espírito Santo
Metarhizium anisopliae sensu lato 925
Metarhizium anisopliae sensu stricto 1044
Brazil, Goiás
Beauveria bassiana 806
Metarhizium anisopliae sensu lato 729 759 782 955 1970
Purpureocillium lilacinum 2078
Brazil, Mato Grosso
Conidiobolus sp. 2148
Deois incompleta
Brazil, Pará
Metarhizium anisopliae sensu lato 1449
Kanaima fluvialis
Argentina
Metarhizium anisopliae sensu lato 8377
Mahanarva andigena
Colombia
Fusarium sp. 6460 6461 6464
Mahanarva fimbriolata
Brazil, São Paulo
Metarhizium anisopliae sensu stricto 7979 7981
Mahanarva posticata
Brazil, Bahia
Metarhizium anisopliae sensu lato 1896 1898
Metarhizium anisopliae sensu stricto 1894
Brazil, Pernambuco
Metarhizium anisopliae sensu stricto 2627 7980
Mahanarva sp.
Colombia
Metarhizium anisopliae sensu lato 6321 6322
Prosapia nr. bicincta
Costa Rica
Fusarium sp. 4713 4714 4715
Prosapia plagiata
Costa Rica
Sterile mycelium 4712
Prosapia simulans
Costa Rica
Unidentified sp. 3536
Zulia carbonaria
Colombia
Beauveria bassiana 6459
Curvularia sp. 6367 6465
Metarhizium anisopliae sensu lato 6457 6468
Paecilomyces crustaceus(?) 6462 6467
Paecilomyces lilacinus(?) 6458
Unidentified sp. 6463 6466
Zulia colombiana
Colombia
Fusarium oxysporum(?) 6355
Fusarium sp. 6348 6351 6352 6353 6354 6358
Metarhizium anisopliae sensu lato 6356
Penicillium sp. 6357 6359
Zulia entreriana
Brazil, Mato Grosso
Beauveria bassiana 477
Zulia pubescens
Colombia
Fusarium sp. 6320 6375 6576
Metarhizium anisopliae sensu lato 6323
Metarhizium anisopliae sensu stricto 6317 6318
Purpureocillium lilacinum 6340
Zulia vilior costarricensis
Costa Rica
Mucor sp. 3535

Homoptera: Cicadellidae
Batkoa apiculata 5552
Brazil, Goiás
Entomophaga australiensis 743
Pandora delphacis 1238 1936
Zoophthora radicans 1495 1587 1591 2196
Brazil, Mato Grosso
Beauveria bassiana 945
Brazil, Paraná
Zoophthora radicans 1239
Brazil, São Paulo
Metarhizium flavoviride 'Type E' 2948
India
Sterile mycelium 3702
Japan
Zoophthora radicans 1263
Philippines
Conidiobolus coronatus 419 421 422
Hirsutella guyana 2352 2387
Metarhizium album 2081
Metarhizium flavoviride var. *minus* 2339
Metarhizium sp. 2353
PR China
Cordyceps sp. 6281
Russian Federation
Beauveria bassiana 7590 9443
Purpureocillium lilacinum 9523
USA, Hawaii
Beauveria bassiana 8710 8711
Cladosporium sp. 7039
Lecanicillium muscarium 7037
Sporothrix sp. 7038
USA, Illinois
Zoophthora radicans 2549 2551 2552
Balacha melanocephala
Argentina
Beauveria bassiana 7464 7465 7467 7469 8370 8459 8460 8528 8529
Cicadella sp.
Australia
Entomophaga australiensis 328
Cofana spectra
Indonesia, Sulawesi Utara, Celebes
Metarhizium album 2082
Empoasca sp.
Israel
Zoophthora radicans 3623
Yugoslavia
Zoophthora radicans 2282 2283 2284 2285 2288 2289
Yugoslavia, Belgrade
Zoophthora radicans 2241 2242 2243 2244 2245 2246 2286 2287
Empoasca fabae
Laboratory manipulation
Zoophthora radicans 3355
Location not specified
Zoophthora radicans 2400
USA, Illinois
Zoophthora radicans 1938 2550 2716 2717 2718 2719 2720 3283 3284

USA, Michigan
Zoophthora radicans 2977 2978 2979 2980
USA, New York
Batkoa major 2936 3102 3103
Conidiobolus coronatus 3099 3109
Conidiobolus thromboides 3129
Pandora delphacis 3072 3093 3094 3095 3096 3106 3107
Unidentified sp. 3128
Zoophthora radicans 3104 3105 3376 3377 3390 4520
USA, Wisconsin
Zoophthora radicans 1018 1019 1020 1021 1261 1262
Empoasca fabae
Laboratory manipulation
Zoophthora radicans 3697
Empoasca kraemeri
Brazil
Trichoderma sp. 807
Zoophthora radicans 3026
Brazil, Ceará
Hirsutella guyana 2993
Hirsutella sp. 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2992
Brazil, Goiás
Entomophaga sp. 1230 1625
Zoophthora radicans 789 790 1492 1493 1494 1496 1497 1498 1499 1500 1501 1502 1503 1504 1541 1542 1543 1544 1581 1582 1583 1584 1585 1586 1588 1589 1590 1593 1594 1595 1928 1929 1930 1931 1932 1933 1934 1935 1937
Brazil, Rio Grande do Norte
Entomophaga australiensis 791
Hirsutella guyana 878 879 881 882 883
Brazil, Rio Grande do Sul
Zoophthora radicans 1227
Brazil, Santa Catarina
Zoophthora radicans 1228 1229 1231 1232 1233 1234 1236 1237
Brazil, São Paulo
Zoophthora radicans 2994 2995 2996 3002 3003 3004 3005 3006 3007 3008 3009 3010 3011 3012 3013
Empoasca vitis
Laboratory manipulation
Entomophaga praxibuli 3058
Zoophthora radicans 3151 3172
Location not specified
Zoophthora radicans 3162
Yugoslavia
Zoophthora radicans 2703 2709 2712 3114 3116
Yugoslavia, Belgrade
Zoophthora radicans 2696 2700 2701 2702 2706 2708 2713 3119 3149 3150 3159 3160 3164 3165
Hauptida distinguenda
France
Zoophthora radicans 2256 2257 2258 2259 2260 2261 2262
Idiocerus nitidulus
Malaysia
Hirsutella versicolor 4512
Idioscopus clypealis
Philippines
Hirsutella verticillioides 2599
Molopopterus theae
South Africa
Beauveria bassiana 6982
Zoophthora radicans 6605
Nephotettix bipunctata cincticeps
Indonesia, Sulawesi Selatan, Celebes
Conidiobolus coronatus 597
Conidiobolus sp. 605 606
Japan
Beauveria bassiana 1553 1554 1555 1556
Malaysia
Conidiobolus coronatus 520
Philippines
Entomophaga sp. 1126
PR China
Beauveria amorpha 656
Beauveria bassiana 708
Beauveria brongniartii 678
Trichothecium sp. 653
Nephotettix cincticeps
Japan
Beauveria bassiana 1098
Philippines
Metarhizium pingshaense 2043
Pandora delphacis 458 459 460 461 478
Nephotettix virescens
Indonesia, Jawa Barat, Java
Metarhizium pingshaense 2106
Indonesia, Sulawesi Selatan, Celebes
Metarhizium anisopliae sensu stricto 2153
Philippines
Hirsutella strigosa 2197
Metarhizium album 1840 1941 1942 1943 2176 2178
Metarhizium flavoviride var. *minus* 1945
Oncometopia tucumana
Argentina
Clonostachys rosea 7200
Pawiloma victima
Argentina
Beauveria bassiana 8371
Recilia dorsalis
Philippines
Metarhizium album 2179
Metarhizium anisopliae sensu lato 543
Metarhizium flavoviride var. *minus* 1546 1547
Unidentified / Hyphomycetes 2177
PR China
Paecilomyces sp. 680
Pandora delphacis 659 660
Sonesimia grossa
Argentina
Clonostachys rosea 7472
Typhlocyba sp.
Yugoslavia
Zoophthora radicans 3115
Yugoslavia, Belgrade
Zoophthora radicans 3170 3171

Homoptera: Cicadidae
Argentina
Metarhizium robertsii 3925
Brazil
Metarhizium anisopliae sensu lato 4095
Japan
Beauveria bassiana 7256 7258
Mexico
Beauveria bassiana 2544
PR China
Purpureocillium lilacinum 6247
Cicadetta puer
Australia
Ophiocordyceps heteropoda 1880
Entomophaga australiensis 331 365
Cryptotympana facialis
Republic of China
Nomuraea viridulus 6927
Magicicada septendecim
USA, Maryland
Beauveria brongniartii 7376
USA, New York
Massospora cicadina 374
Mogannia hebes
Republic of China
Isaria sinclairii 6925
Pomponia linearis
Republic of China
Nomuraea cylindrospora 6926

Homoptera: Cixiidae
Myndus crudus
USA, Florida
Hirsutella citriformis 1035 1446
Oliarus dimidiatus
Argentina
Beauveria bassiana 7776
Conidiobolus sp. 7786 8378

Homoptera: Coccidae
Ecuador
Verticillium lecanii 2916
Mexico
Lecanicillium lecanii 6888
Republic of Korea
Beauveria bassiana 6723
Sri Lanka
Fusarium sp. 1828
Ukraine
Isaria farinosa 9513
USA, Hawaii
Acremonium(?) sp. 7036 7035
Ceroplastes sp.
Colombia
Lecanicillium lecanii 6791
USA, Mississippi
Lecanicillium muscarium 7375

Coccus hesperidium
Iran
Lecanicillium lecanii(?) 6289
Coccus viridis
Colombia
Lecanicillium muscarium 6792
India
Fusarium sp. 2232
Indonesia, Java
Lecanicillium lecanii 2149 2150
Indonesia, Jawa Barat, Java
Verticillium lecanii 5153
Sri Lanka
Lecanicillium muscarium 1774
Neolecanium cornuparvum
USA, Vermont
Colletotrichum sp. 10308
Parthenolecanium corni
Czechoslovakia
Lecanicillium muscarium 8041
Russian Federation
Lecanicillium sp. 7622
Simplicillium lanosoniveum 7623
Unidentified / Hyphomycetes 9538
USA, Vermont
Hirsutella lecaniicola 8888
Phytokermes hemichryphus
Denmark
Verticillium lecanii 4025
Pulvinaria aurantii
Iran
Verticillium lecanii 6287 6291
Pulvinaria elongata
India
Fusarium subglutinans 2145
Pulvinaria floccifera
Turkey
Lecanicillium muscarium 980
Saissetia oleae
Israel
Lecanicillium muscarium 1029

Homoptera: Coccoidea
Aschersonia placenta 7604
Brazil, São Paulo
Lecanicillium lecanii 7550
Panama
Ascopolyporus philodendrus 7354
Ascopolyporus villosus 7355
Hypocrella panamensis 8361
Torrubiella piperis 7232
Russian Federation
Sporothrix ghanensis 9500
Thailand
Hypocrella discoidea 7681
Hypocrella javanica 7605
Hypocrella raciborskii 7606
USA, Puerto Rico
Fusarium coccophilum 7409
Lecanicillium lecanii 7408
Unidentified / Hyphomycetes 7386
USA, Vermont
Lecanicillium sp. 9177

Homoptera: Delphacidae
Indonesia, Jawa Barat, Java
Hirsutella citriformis 2428
USA, Hawaii
Beauveria kipukae 7032
Sporothrix sp. 7042
Delphacodes haywardii
Argentina
Conidiobolus coronatus 7203
Delphacodes kuscheli
Argentina
Aphanocladium sp. 8457 8458
Lecanicillium muscarium 7781
Delphacodes striatella
Japan
Zoophthora radicans 1050
Nilaparvata lugens
Australia
Conidiobolus coronatus 349
India
Conidiobolus nr. *coronatus* 1742 1743
Conidiobolus sp. 211
Fusarium moniliforme var. *intermedium* 3223
Metarhizium anisopliae sensu lato 1726 1727 1728 1744 1745 1823
Metarhizium pingshaense 1724 1725 1729
Pandora delphacis 1730 1731
Indonesia, Jawa Barat, Java 2146
Beauveria bassiana 2427
Conidiobolus coronatus 1876
Conidiobolus nr. *coronatus* 598
Hirsutella citriformis 1917 1918 1919 2099 2100 2101 2102 2103 2420 2422 2423 2426
Metarhizium anisopliae sensu stricto 2080 2421
Pandora delphacis 2091
Indonesia, Jawa Tengah, Java
Hirsutella citriformis 2346
Indonesia, Lampung, Sumatra
Hirsutella citriformis 532
Indonesia, Lombok Island
Pandora delphacis 575 579
Indonesia, Sulawesi Selatan, Celebes
Conidiobolus coronatus 563 565
Conidiobolus sp. 564
Metarhizium pingshaense 576
Indonesia, Sumatera Selatan, Sumatra
Hirsutella sp. 568
Indonesia, Sumatera Utara, Sumatra
Entomophaga australiensis 581
Pandora delphacis 580
Indonesia, Yogyakarta, Java
Conidiobolus nr. *coronatus* 599 600
Conidiobolus sp. 595 596
Hirsutella citriformis 591
Japan
Conidiobolus coronatus 997
Pandora delphacis 134 1124 1132 1133 1264 1268
Zoophthora radicans 1125 1136
Malaysia
Conidiobolus coronatus 512 514 523 524
Conidiobolus sp. 517 522
Philippines
Conidiobolus coronatus 405 406 418 511
Hirsutella citriformis 490 684 1036 1062 1063 1064 1243 1244 1245 1246 1249 1251 1252 1253 1254 1255 1256 1257 1258 1259 1436 1549 1550
Hirsutella sp. 1096
Hirsutella strigosa 2044
Isaria fumosorosea 2198
Metarhizium anisopliae sensu lato 456 457 485 486 487 488 489 1284 1285 1286 1290 1300 1304
Metarhizium brunneum 455
Metarhizium flavoviride var. *minus* 1099 1271 1272 1273 1274 1275 1276 1277 1279 1283 1287 1288 1289 1291 1292 1293 1294 1295 1296 1297 1301 1302 1303 1305 2037
PR China
Beauveria bassiana 654 679 709 714 717 719
Conidiobolus coronatus 655
Conidiobolus lachnodes 700
Fusarium sp. 687
Pandora delphacis 657 664 665 666 667 668 669 670 672 673 674 676 682 686 698 713 716
Zoophthora radicans 685
Republic of Korea
Fusarium semitectum 2053
Hirsutella repens 2348 2359 2394
Metarhizium anisopliae sensu lato 2038 2039
Torrubiella homopterorum 2045
Solomon Islands
Calcarisporium ovalisporum 1907
Entomophaga sp. 1881
Hirsutella citriformis 1913
Metarhizium flavoviride var. *minus* 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773
Sporothrix sp. 1908
Sri Lanka
Hirsutella citriformis 1837
Thailand
Conidiobolus coronatus 525 528
Tilletiopsis sp. 527 572 573
Vietnam
Beauveria bassiana 7592
Sogatella furcifera
India
Aspergillus sp. 8519 8282 8283 8285
Indonesia, Jawa Barat, Java
Pandora delphacis 2092 2093 2095 2096 2409
Indonesia, Sulawesi Selatan, Celebes
Conidiobolus nr. *coronatus* 602
Conidiobolus sp. 604
Nomuraea rileyi 558

Pandora delphacis 593 603
PR China
Pandora delphacis 6538 6539
Sogatodes pusanus
Indonesia, Jawa Barat, Java
Pandora delphacis 2094

Homoptera: Derbidae
Lydda sp.
Tanzania
Hirsutella sp. 4515

Homoptera: Diaspididae
Fiorinia externa
Unidentified / Hyphomycetes 7067
USA, Connecticut
Metarhiziopsis microspora 8676
USA, Massachusetts
Metarhiziopsis microspora 8984 8985
USA, New York
Colletotrichum fioriniae 10219 10220 10221 10222 10223
Metarhiziopsis microspora 8986 8987 8988
Myriangium duriaei 8924 8925
Lepidosaphes sp.
Indonesia, Jawa Barat, Java
Fusarium coccophilum 2098
Lopholeucaspis japonica
Republic of Georgia
Fusarium sp. 6225
Melanaspis glomerata
India
Fusarium moniliforme 2074
Melanaspis obscura
USA, District of Columbia
Fusarium coccophilum 821
Nuculaspis tsugae
Japan
Hirsutella sp. 1668
Unaspis citri
USA, Florida
Trichoderma sp. 3084

Homoptera: Eriococcidae
Cryptococcus fagisuga
United Kingdom
Lecanicillium muscarium 3740
Verticillium lecanii 3741 3742 3743

Homoptera: Flatidae ?
Australia
Pseudogibellula formicarum 5765 5766

Homoptera: Jassidae
Location not specified
Sporodiniella umbellata 5222

Homoptera: Lecaniidae
Lecanium viridis
Sri Lanka
Lecanicillium lecanii 555

Homoptera: Margarodidae
Icerya aegyptica
Egypt
Lecanicillium psalliotae 6581 6582
Icerya purchasi
Egypt
Gliocladium(?) sp. 6579 6583 6580
Sri Lanka
Lecanicillium muscarium 1033

Homoptera: Membracidae
Brazil, Bahia
Beauveria bassiana 3999
Unidentified sp. 4000
Brazil, Pará
Hirsutella versicolor 1034
Brazil, Rondônia
Hirsutella versicolor 1037
Mexico
Beauveria bassiana 3312
Papua New Guinea
Beauveria sp. 2164
Ceresa bubalus
India
Fusarium sp. 8279
Gargara sp.
Canada, Québec
Conidiobolus sp. 5405 5406
USA, Vermont
Conidiobolus sp. 5404
Kronides sp.
Argentina
Beauveria bassiana 7468
Spissistilus festinus
USA, Alabama
Pandora delphacis 2028
USA, Arkansas
Pandora delphacis 3484
USA, California
Beauveria bassiana 8318

Homoptera: Ortheziidae
Orthezia insignis
Brazil
Unidentified / Hyphomycetes 7383
Orthezia praelonga
Brazil, Espírito Santo
Penicillium sp. 2643
Brazil, Rio de Janeiro
Colletotrichum gloeosporioides 4360
Orthezia urticae
Russian Federation
Lecanicillium sp. 9466

Homoptera: Pseudococcidae
Paracoccus marginatus
India
Lecanicillium aphanocladii 9611
Metarhizium anisopliae sensu lato 9612 9613
Phenacoccus solani
USA, Florida
Isaria fumosorosea 2247
Phenacoccus solenopsis
India
Aspergillus clavatus 9375
Aspergillus flavus 9376
Cladosporium cladosporioides 9614
Fusarium sp. 9377
Rastrococcus invadens
Togo
Hirsutella cryptosclerotium 4517
Rhizoecus sp.
USA, Florida
Beauveria bassiana 2236
Lecanicillium psalliotae 2234 2235

Homoptera: Psyllidae
Russian Federation
Engyodontium(?) sp. 9476
Isaria farinosa(?) 7219
Isaria sp. 9517
Diaphorina citri
Mexico
Hirsutella sp. 9605 9606 10230
USA, Florida
Hirsutella citriformis 8315 9180
Paecilomyces sp. 8316
Heteropsylla cubana
Papua New Guinea
Fusarium lateritium 2304
Fusarium sp. 2303
Philippines
Hirsutella citriformis 2347 2598
Heteropsylla incisa
Papua New Guinea
Fusarium semitectum 2299 2300
Fusarium subglutinans 2301
Philippines
Isaria fumosorosea 2175
Psyllida etrioza
Canada, Québec
Zoophthora radicans 126
Trioza urticae
Switzerland
Zoophthora radicans 1719

Homoptera: spf. Coccoidea
Ukraine
Lecanicillium muscarium(?) 9463
USA, Puerto Rico
Aschersonia sp. 7085
Unidentified / Hyphomycetes 7076 7081 7086
USA, Wisconsin
Septobasidium carestianum 6473

Homoptera: spf. Fulgoroidea
Argentina
Isaria fumosorosea 7050

Homoptera: coccoidea: Asterolecaniidae
Bambusaspis sp.
Trinidad and Tobago
Verticillium pseudohemipterigenum 5687

Hymenoptera
Brazil, Goiás
Conidiobolus sp. 2193
Canada, British Columbia
Paecilomyces sp. 8007 8008
Denmark
Ascosphaera major 694
Japan
Beauveria bassiana 7257 7259
PR China
Hymenostilbe sphecophila 6292
Republic of Korea
Beauveria bassiana 7239 7254 7265
Beauveria pseudobassiana 7242
Beauveria sungii 7281
Isaria farinosa 7249 7262
Switzerland
Batkoa apiculata 395

Hymenoptera: ?Megachilidae
Brazil, Goiás
Beauveria bassiana 957

Hymenoptera: Superfamily Apoidea
Australia
Ascosphaera sp. 7368
Brazil, Santa Catarina
Beauveria bassiana 1468

Hymenoptera: Aphelinidae
Eretmocerus californicus
USA, Texas
Isaria fumosorosea 5253 5254 5255 5256 5257 5258

Hymenoptera: Apidae
Republic of Korea
Cordyceps sp. 4851 4844
Apis mellifera
Australia
Ascosphaera apis 5142
Ascosphaera atra 5147
Ascosphaera duoformis 5141
Russian Federation
Beauveria bassiana 7596
Beauveria sp. 7589
Ukraine
Beauveria bassiana 9447
USA, Florida
Ascosphaera apis 6362
Beauveria bassiana 5989
USA, Oregon
Ascosphaera apis 691 692
USA, Texas
Ascosphaera apis 2683 7405 7406
Bombus sp.
Argentina
Beauveria bassiana 7201

Hymenoptera: Apoidea
PR China
Beauveria bassiana 9595

Hymenoptera: Cephidae
Cephus sp.
PR China
Beauveria bassiana 6793 6794 6795

Hymenoptera: Colletidae
Australia
Ascosphaera solina 5146

Hymenoptera: Diprionidae
Diprion pini
Location not specified
Beauveria bassiana 338
Neodiprion tsugae
USA, Alaska
Zoophthora radicans 13

Hymenoptera: Encyrtidae
Anagyrus sp.
Mexico
Metarhizium anisopliae sensu lato 3146

Hymenoptera: Eurytomidae
Bephratelloides cubensis
USA, Florida
Beauveria bassiana 2869

Hymenoptera: Formicidae
Brazil, Bahia
Beauveria bassiana 1960
Canada, Alberta
Conidiobolus coronatus 7011
Mexico
Beauveria bassiana 2487
Republic of Korea
Beauveria bassiana 7260
Russian Federation
Isaria farinosa 7728 9510
France
Beauveria bassiana 5069
Acromyrmex octospinosus
Panama
Escovopsis sp. 5574
Anoplolepsis longipes
Papua New Guinea
Aspergillus flavus 2157 2158 2159
Lasiodiplodia theobromae 2170
Purpureocillium lilacinum 2155
Trichoderma sp. 2160 2161
Atta sp.
Brazil
Beauveria bassiana 1831
Brazil, Goiás
Metarhizium anisopliae sensu lato 2510
Mexico
Beauveria bassiana 3285
Atta colombica
Panama
Escovopsis weberi 5576
Atta mexicana
Mexico
Beauveria bassiana 2484 2485 2486
Atta sexdens rubropilosa
Brazil, São Paulo
Metarhizium robertsii 2560
Camponotus sp.
Penicillium sumatrense 7099
Formica rufa
Russian Federation
Beauveria sp. 7597
Formica sp.
USA, Vermont
Verticillium lecanii 5168
Myrmica rubra
United Kingdom
Beauveria bassiana 7533 7534
Metarhizium anisopliae sensu lato 7535 7537 7538
Tolypocladium cylindrosporum 7539
USA, Maine
Beauveria brongniartii 7058
Metarhizium anisopliae sensu lato 7059
Myrmica scabrinodis
United Kingdom
Metarhizium anisopliae sensu lato 7536
Paltothyreus tarsatus
Ghana
Akanthomyces gracilis 2910 2919
Sporothrix insectorum 2909 2918
Pogonomyrmex occidentalis
USA, Colorado
Beauveria amorpha 7542
Beauveria bassiana 7540 7541
Evlachovaea sp. 7543 7544
Purpureocillium lilacinum 7545 7546 7547 7548
Solenopsis sp.
Brazil
Beauveria bassiana 2722 2723
Brazil, São Paulo
Beauveria amorpha 2641
Metarhizium robertsii 2561
Solenopsis invicta
Brazil
Beauveria sp. 3859 3860
Brazil, Mato Grosso
Beauveria bassiana 2401 2402 2403 2404 5956 5957 5960 5961 5962
Beauveria bassiana(?) 5959
Unidentified sp. 2640
Uruguay
Beauveria bassiana 5967
USA, Florida
Akanthomyces clavatus 7577
Aspergillus ochraceus(?) 7027
Beauveria bassiana 5973 5974
Hirsutella sp. 7578
USA, Texas
Conidiobolus sp. 2819
Metarhizium brunneum 3738
Solenopsis quinquecuspis
Brazil, Rio Grande do Sul
Beauveria bassiana 5968
Uruguay
Beauveria bassiana 5966
Solenopsis saevissima
Brazil, Minas Gerais
Beauveria bassiana 5965
Brazil, Rio Grande do Sul
Beauveria bassiana 5969
Brazil, São Paulo
Beauveria bassiana 5958 5963

Solenopsis xyloni
USA, California
Beauveria bassiana 5970 5971 5972
Trachymyrmex sp.
Panama
Escovopsis aspergilloides 5575

Hymenoptera: Formicidae: Myrmicinae
France
Beauveria bassiana 1976 1977 1978 1979

Hymenoptera: Formicoidea
Belarus
Isaria farinosa 9514

Hymenoptera: Ichneumonidae
Poland
Beauveria bassiana 156
Fusarium lateritium 1331 1416
Lecanicillium muscarium 1330
Ukraine
Beauveria bassiana 9448
Cratichneumon lanius
Poland
Unidentified sp. 1421

Hymenoptera: Megachilidae
Beauveria bassiana 7377 7378
Chalicodoma sp.
Australia
Ascosphaera subcuticulata 5145
Megachile sp.
Australia
Ascosphaera arienoides 5143
Ascosphaera flava 5144
Megachile centuncularis
Denmark
Ascosphaera proliperda 695
Megachile rotundata
Canada, Saskatchewan
Ascosphaera larvis 7945 7946
Laboratory manipulation
Ascosphaera proliperda 696
USA, Nevada
Ascosphaera aggregata 689
USA, Oregon
Ascosphaera aggregata 690
Ascosphaera atra 693
Ascosphaera proliperda 6363
Aspergillus sp. 6364
Osmia lignaria
USA, Utah
Aspergillus niger 6365

Hymenoptera: Pamphiliidae
Japan
Beauveria bassiana 7519 7520 7521
Unidentified / Hyphomycetes 7518
USA, Maine
Hirsutella gigantea 30
Acantholyda erythrocephala
USA, New York
Isaria farinosa 5548
Pamphilius betulae
Commonwealth of Independent States
Beauveria bassiana 152 154

Hymenoptera: Pergidae
Lophyrotoma zonalis
Australia
Beauveria bassiana 8753

Hymenoptera: Siridae
Sirex noctilo
South Africa
Tolypocladium cylindrosporum 5538

Hymenoptera: Sphecidae
Mexico
Evlachovaea sp. 2545

Hymenoptera: subord. Symphyta
USA, Florida
Beauveria bassiana 5985

Hymenoptera: Tenthredinidae
Monophadnus elongatulus
Italy
Evlachovaea sp. 1576
Pristiphora erichsonii
Canada, British Columbia
Isaria farinosa 1851

Hymenoptera: Tenthredinoidea
USA, Florida
Paecilomyces sp. 6883

Hymenoptera: Vespidae
Brazil, Alagoas
Beauveria bassiana 1953
Brazil, Amazonas
Beauveria bassiana 730
Brazil, Goiás
Beauveria bassiana 2943 2944
Polistes sp.
Brazil, São Paulo
Beauveria bassiana 6513
Vespula germanica
Australia
Penicillium sp. 4148
Vespula vulgaris
Canada, Alberta
Beauveria pseudobassiana 2997

Isoptera
Brazil, Goiás
Metarhizium anisopliae sensu lato 2949 2951

Isoptera: Kalotermitidae
Cryptotermes brevis
Metarhizium anisopliae sensu lato 7927 7928 7930
Metarhizium pingshaense 7929
Kalotermes sp.
Australia
Metarhizium robertsii 7413
Neotermes sp.
Australia
Metarhizium anisopliae sensu lato 8731

Isoptera: Mastotermitidae
Mastotermes sp.
Metarhizium anisopliae sensu lato 7506
Mastotermes darwiniensis
Australia
Metarhizium anisopliae sensu lato 8581 8584 8585 8587 8588 8589
Metarhizium anisopliae sensu stricto 7430

Isoptera: Rhinotermitidae
Coptotermes sp.
Australia
Metarhizium anisopliae sensu lato 8063 8089 8092 8093
Coptotermes acinaciformis
Australia
Metarhizium anisopliae sensu lato 8064 8081 8087 8088
Coptotermes formosanus
USA, Hawaii
Metarhizium brunneum 3045
USA, Louisiana
Beauveria bassiana 6906 6907 6908
Metarhizium anisopliae sensu lato 6909 6910 6911 8015
Coptotermes frenchi
Australia
Metarhizium anisopliae sensu lato 8067
Coptotermes lacteus
Metarhizium pingshaense 7431
Australia
Metarhizium anisopliae sensu lato 8059 8072 8073 8074 8094 8095 8231 8232 8233 8234 8235 8236 8502 8503 8504 8505 8506 8507 8508 8509 8510 8511 8512 8513 8514 8515 8516 8517 8518 8531 8532 8533 8534 8535 8536 8537 8538 8539 8540 8541 8542 8575
Metarhizium anisopliae sensu stricto 7432
Metarhizium frigidum 7436 7437 7438 7439 7440 7441 7442 7443 7444 7445 7446 7447 7448
Reticulitermes flavipes
Canada, Ontario
Beauveria bassiana 3041
Metarhizium flavoviride var. *pemphigum* 9358
Metarhizium robertsii 9607

Isoptera: Termitidae
Aspergillus sp. 8633 8634
Kenya
Ophiocordyceps bisporus 3888
Drepanotermes perniger
Australia
Metarhizium anisopliae sensu lato 8062
Macrotermes sp.
Kenya
Ophiocordyceps bisporus 4518 4843

Microcerotermes sp.
Australia
Metarhizium anisopliae sensu lato 8590 8591
Nasutitermes acajutlae
USA, Virgin Islands
Aspergillus niger 7797 7798 7799
Myrothecium sp. 7804 7800 7801 7803
Unidentified / Hyphomycetes 7802
Nasutitermes corniger
Conidiobolus coronatus 8455
Panama
Purpureocillium lilacinum 8456
Nasutitermes exitiosus
Australia
Metarhizium anisopliae sensu lato 8060 8061 8068 8069 8070 8071 8075 8080 8082 8083 8084 8085 8086 8090 8091 8097 8100 8229 8230 8570

Lepidoptera
Brazil, Ceará
Beauveria bassiana 2637
Brazil, Goiás
Erynia sp. 1241
Nomuraea rileyi 936
Brazil, São Paulo
Beauveria bassiana 2633
Canada
Furia gastropachae 2906
Hirsutella sp. 2581
Canada, British Columbia
Paecilomyces sp. 7995 8001
Denmark
Isaria farinosa 7118
Ecuador
Beauveria sp. 2998
Indonesia, Jawa Barat, Java
Metarhizium anisopliae sensu lato 2424
Japan
Entomophaga aulicae 1140 1656
Furia neopyralidarum 1145
Laboratory manipulation
Metarhizium anisopliae sensu lato 1094
Mexico
Beauveria bassiana 2857
Isaria farinosa 2822
Polycephalomyces ramosus 7095
Nepal
Beauveria bassiana 7274
PR China
Beauveria amorpha 6227
Beauveria sp. 9596
Cordyceps militaris 6248
Isaria cateniannulata 6240 9601
Isaria farinosa 6245
Isaria tenuipes 6249
Metarhizium guizhouense 6238
Sporothrix insectorum 6286
Republic of Korea
Cordyceps isarioides 5688
Cordyceps militaris 4845
Russian Federation
Beauveria bassiana 7585 7593 9445
Beauveria sp. 7579 7586 7587 7594 7598
Clonostachys rosea 9493
Cordyceps militaris 7809 7810 9484
Cordyceps pruinosa 7221
Cordyceps sp. 7808 7811 9486 7600 7601
Isaria farinosa 7714 7720 7722 7723 7724 7725 7726 7730
Isaria fumosorosea 7743 9520
Isaria tenuipes 9531 9532
Lecanicillium muscarium 7621 9468 9469 9477
Metarhizium anisopliae sensu lato 9541
Solomon Islands
Nomuraea rileyi 1879 1893
Switzerland
Entomophaga sp. 393
Furia virescens 427
Zoophthora radicans 404
Turkey
Beauveria sp. 5832
Lecanicillium psalliotae 5685
Ukraine
Evlachovaea sp. 7599
Isaria tenuipes 9534
Unidentified / Hyphomycetes 9540
United Kingdom
Beauveria bassiana 6557
USA, Alaska
Sporothrix insectorum 7924
USA, Hawaii
Beauveria bassiana 8709
USA, New York
Cordyceps militaris 4081 4082 4083 4084 4085 4086 4087 4088 4089 4838 4839 4840 4841 4842 5002 5003 5004 5005 5006 5007 5008 5009 5010 5011 5012 5013 5014 5015 5016 5017 5018 5019 5020 5021 5022 5023 5024 5025 5026 5027 5028 5029 5030 5031 5032 5033 5034 5035 5036 5037 5038 5039 5040 5041 5042 5043 5044 5045 5046 5047 5048 5049 5050 5051 5052 5053 5054 5055 5056 5057 5058 5059 5060 5061 5062
Isaria farinosa 3152 4090
Isaria tenuipes 5134 5135
USA, Oregon
Isaria farinosa 5996
USA, Pennsylvania
Cordyceps militaris 8012
USA, Texas
Isaria fumosorosea 5251 5252
Uzbekistan
Beauveria bassiana 6109
Galactica sp.
Brazil, Distrito Federal
Metarhizium pingshaense 552

Lepidoptera: Arctiidae
Hyphantria cunea
Italy
Beauveria bassiana 1564 1565
Isaria fumosorosea 1568 1569 1577 1578 1579
Republic of Georgia
Isaria fumosorosea 10224
Pyrrharctia isabella
USA, New York
Isaria farinosa 3017
Spilosoma niveum
Japan
Entomophaga aulicae 2372 2373 2374

Lepidoptera: Bombycidae
Bombyx mori
Japan
Aspergillus flavus 1003 1010
Beauveria bassiana 302 303 304 305 1007
Beauveria sp. 1040
Isaria fumosorosea 989 1005
Metarhizium brunneum 988
Metarhizium majus 1015
Purpureocillium lilacinum 986
Verticillium lecanii 991
Philippines
Beauveria bassiana 2737
PR China
Beauveria bassiana 718
Isaria fumosorosea 720
Metarhizium guizhouense 703
Nomuraea rileyi 711
South Africa
Beauveria bassiana 5704

Lepidoptera: Brassolidae
Brassolis sp.
Colombia
Evlachovaea sp. 2297
Brassolis sophorea
Brazil, Pará
Beauveria bassiana 2619
Evlachovaea sp. 2613
Brazil, São Paulo
Beauveria bassiana 6514
Brazil, Sergipe
Evlachovaea sp. 2620

Lepidoptera: Castniidae
Castnia licus
Brazil, Pernambuco
Beauveria brongniartii 1829

Lepidoptera: Cossidae
PR China
Cordyceps bassiana 7047
Hirsutella liboensis 9603
Cossula cossus
Italy
Beauveria bassiana 1103 1104 1558
Lecanicillium muscarium 973 1102
Prionoxystus robiniae
USA, Kentucky
Isaria farinosa 2269

Zeuzera pyrina
Italy
Beauveria bassiana 1105

Lepidoptera: Crambidae
New Zealand
Metarhizium anisopliae sensu lato 3064
Metarhizium flavoviride var. *novazealandicum* 8214

Lepidoptera: Danaidae
Danaus plexippus
Beauveria bassiana 7093
Australia
Beauveria bassiana 8891

Lepidoptera: Eupterotidae
South Africa
Beauveria bassiana 6984

Lepidoptera: Gelechidae
Tuta absoluta
Argentina
Zoophthora radicans 6917

Lepidoptera: Gelechiidae
Anacampsis humilis
Uruguay
Zoophthora radicans 4783
Phthorimaea operculella
Australia
Aspergillus flavus 4126
Aspergillus tamarii 4127
Scrobipalpuloides absoluta
Brazil, Rio Grande do Sul
Fusarium sp. 5219
Sitotroga cerealella
South Africa
Evlachovaea sp. 5703

Lepidoptera: Geometridae
Japan
Cordyceps militaris 2416
Alosophila pometaria
Canada, Alberta
Isaria farinosa 5368
Enypia griseata
Canada, British Columbia
Entomophaga aulicae 2000
Hibernia defoliaria
Poland
Unidentified sp. 1415 1417
Isturgia exerrariae
South Africa
Beauveria bassiana 6972 6973
Lambdina athasaria
USA, Vermont
Isaria farinosa 3537 3538
Unidentified sp. 3567 3568 3569
Lambdina fiscellaria fiscellaria
Canada, Newfoundland
Entomophaga aulicae 1991 2900
Zoophthora radicans 72
Lambdina fiscellaria lugubrosa
Canada, British Columbia
Entomophaga aulicae 1990
Rheumaptera hastata
Canada, Ontario
Entomophaga aulicae 2899

Lepidoptera: Hepialidae
PR China
Hirsutella sinensis 6282 6284 6285
Oncopera sp.
Australia
Beauveria bassiana 4273
Oncopera alboguttata
Australia
Beauveria bassiana 4589 4607 8493
Metarhizium anisopliae sensu lato 7820 7821 7822 7823
Penicillium sp. 4263
Oncopera intricata
Australia
Beauveria bassiana 4258 4672
Microhilum oncoperae 4358 4769 4770 4771
Oncopera intrucata
Australia
Metarhizium anisopliae sensu lato 4234
Oxycanus sp.
New Zealand
Metarhizium brunneum 1187
Wiseana sp.
New Zealand
Metarhizium anisopliae sensu lato 4681

Lepidoptera: Hyblaeidae
Hyblaea puer
India
Beauveria bassiana 2597
Fusarium sp. 2595

Lepidoptera: Incurvariidae
Paraclemensia acericaulis
Unidentified sp. 3794 3796
Location not specified
Unidentified sp. 3797
Paraclemensia acerifoliella
USA, Vermont
Beauveria bassiana 5492

Lepidoptera: Lasiocampidae
Russian Federation
Isaria farinosa 9515
Dendrolimus spectabilis
Japan
Basidiobolus ranarum 1139
Beauveria bassiana 1677
Entomophaga aulicae 1655
Gastropacha orientalis
Japan
Paecilomyces canadensis 990
Malacosoma americanum
Entomophaga maimaiga 6170 6173 6174
USA, Massachusetts
Beauveria bassiana 1
Isaria farinosa 3
Malacosoma disstria
Entomophaga maimaiga 4545
Canada, Ontario
Furia gastropachae 5869 5870 5871 5872
USA, Maryland
Furia gastropachae 5545 5546
USA, New York
5351 7370
Entomophaga aulicae 3602
Furia gastropachae 5541 5542 5543 5544 5547
Metarhizium anisopliae sensu lato 6167
USA, Vermont
Furia gastropachae 8926

Lepidoptera: Limacodidae
Iragoides fasciata
PR China
Mariannaea pruinosa 5413
Natada michonta
Brazil, Pará
Paecilomyces sp. 2616 2617 2618

Lepidoptera: Lycaenidae: Polyommatinae
Orachrysops ariadne
South Africa
Cladosporium sp. 6226
Orachrysops subravus
South Africa
Fusarium sp. 6102

Lepidoptera: Lymantriidae
Euproctis chrysorrhoea
USA, Maine
Entomophaga aulicae 7140 7141 7142 7143 7144 7145
Leucoma salicis
Location not specified
Isaria farinosa 38
Lymantria sp.
Philippines
Nomuraea rileyi 481 482 483
Lymantria dispar
Canada, Ontario
Beauveria bassiana 2267
Entomophaga maimaiga 3913
Commonwealth of Independent States
Beauveria bassiana 155
France
Beauveria bassiana 6205
Isaria fumosorosea 6206
Scopulariopsis sp. 2255
Unidentified / Hyphomycetes 4899 4900
Japan
Entomophaga maimaiga 1390 1391 1392 1400 1658 2370 2371 6171 6172 6212 6224 6253 6254 6255 6256 6257 6258 6264 6265 6266 6267 6268 7104 7105 7112 7113 7114 7116 7185 7186 7187 7188 7189
PR China
Entomophaga maimaiga 7139 7183 7184

Rumania
Beauveria bassiana 299
Russian Federation
Entomophaga maimaiga 7127
USA, Connecticut
Entomophaga maimaiga 2775
USA, Delaware
Beauveria bassiana 2570 2571 2572 2573
USA, Maryland
Aspergillus ochraceus 2833
Beauveria bassiana 2831 3404 3530
Beauveria pseudobassiana 3529
Entomophaga maimaiga 5377 5378 5379 5380 5381 5382 5383 5384 5385 5386 5387 5388 5389 5390
Fusarium polyphialidicum 3696
Fusarium sp. 3532
Isaria farinosa 2131 2835 3492 3498 3507 3524 3526 3666
Penicillium sp. 2834 2836
USA, Massachusetts
Entomophaga maimaiga 2779 5564 6004 6005 6269 6270 6271 6272 7123 7124 7125 7126 7137 7138
Fusarium polyphialidicum 3694
USA, Michigan
Entomophaga maimaiga 6523 6524 6626 6627 6628 6629 6630 6652 6653 6654 6655 6656 6657 6663 6664 6665 6666 6667 6668 6724 6725 6726 6727 6728 6729 7101 7102 7103 7106 7107 7108 7109 7110 7111 7115
USA, New Hampshire
Entomophaga maimaiga 2780
USA, New York
Entomophaga maimaiga 3052 3053 3828 3829 3830 3831 3832 3833 3834 3835 4508 4509 4510 4549 4550 4551 5391 5392 5393 5394 5395 5396 5397 5398 5399 5400 5401 6625
Fusarium polyphialidicum 3692 3693
Isaria farinosa 648 697 2564 3595 3596 3597 3598 3599
Lecanicillium muscarium 3600 3601
USA, Oregon
Acremonium berkeleyanum 2067
Acrodontium crateriforme 2070
Beauveria bassiana 2054
Fusarium avenaceum 2060
Fusarium merismoides 2059
Humicola sp. 2069
Isaria farinosa 2057
Lecanicillium muscarium 2065 2066
Mortierella histoplasmatoides 2063
Mortierella hyalina 2061
Penicillium thomii 2056
Phialophora malorum 2072
Phoma cava 2071
Pochonia suchlasporia var. *catenata* 2064
Sterile mycelium 2073
Trichothecium roseum 2055
USA, Pennsylvania
Beauveria bassiana 3528
Entomophaga maimaiga 7120 7121 7122 7131 7132 7133 7134 7135 7136 7190 7352 7353
Fusarium polyphialidicum 3916
Isaria farinosa 20 3221 3491 3499 3500 3506 3523
USA, Virginia
Beauveria bassiana 3527
Beauveria pseudobassiana 3405
Entomophaga maimaiga 4504 4505 4506 4507 4552 4553 4554 4555 5568 5570 6169 6218
Fusarium polyphialidicum 3695
Fusarium torulosum 3483
Isaria farinosa 3490 3493 3494 3496 3497 3501 3502 3503 3504 3505 3508 3664 3665
USA, West Virginia
Entomophaga maimaiga 6168
Isaria farinosa 3495 3517 3518 3519 3520 3521 3522 3525 3533
Lecanicillium muscarium 3531
Lymantria dissoluta
PR China
Beauveria bassiana 6233
Isaria cateniannulata 6242
Orgyia vetusta
USA, California
Entomophaga aulicae 4004 4005 4006 4007 4008

Lepidoptera: Lyonetiidae
Leucoptera coffeella
Nicaragua
Beauveria bassiana 6801 6802 6803 6804 6805 6806 6807 6808 6809
Leucoptera scitella
Italy
Beauveria bassiana 1115 1117
Metarhizium brunneum 1116

Lepidoptera: Microlepidoptea
Poland
Hirsutella subulata 2227

Lepidoptera: Noctuidae
Brazil
Isaria tenuipes 4096
Brazil, Mato Grosso
Isaria tenuipes 3939
Brazil, Paraná
Isaria tenuipes 3938
Brazil, São Paulo
Nomuraea rileyi 6875
Canada
Metarhizium guizhouense 2140
Denmark
Tolypocladium cylindrosporum 2777 2778
Hungary
Beauveria bassiana 1627 1628 1629
PR China
Beauveria brongniartii 9599
Russian Federation
Nomuraea rileyi 9489 9490
Switzerland
Furia virescens 470 1129
USA, Mississippi
Nomuraea rileyi 135
USA, New York
Entomophaga aulicae 3016
?Heliothis sp.
USA, Georgia
Entomophaga aulicae 251
Aedia leucomelas
Japan
Entomophaga aulicae 198 998
Agrotis segetum
Denmark
Isaria farinosa 4010
Alabama argillacea
Argentina
Nomuraea rileyi 7148
Anticarsia gemmatalis
Argentina
Nomuraea rileyi 2013 2465 2466 5208 5209 5210 5211 5212 6877 7052 7053 7054 7055 7056 7149 7150 7151 7479 7480 7481 7482 7484 7778 7779 7780
Brazil, Pará
Nomuraea rileyi 1950
Brazil, Paraná
Nomuraea rileyi 3940 6732 6734 6736 6737 6738 6739 6740 6741 6742 6743 6744 6745 6746 6747 6748 6749 6764 6765 6766 6767 6775 6776 6777 6778 6779 6780 6782 6783 6784 6786 6787 6874 6878
Brazil, Rio Grande do Sul
Nomuraea rileyi 2201 2202 2203 2204 2205 2207
Mexico
Metarhizium brunneum 3295
Nomuraea rileyi 2492
USA, Florida
Nomuraea rileyi 6868 6869 6870 6872 6873 6876
Autographa gamma
France
Beauveria bassiana 2253 2254
Japan
Entomophaga aulicae 2363 2365
Helicoverpa sp.
Australia
Beauveria bassiana 8066
Helicoverpa armigera
India
Nomuraea sp. 2413
PR China
Nomuraea rileyi 6239
Spain
Beauveria bassiana 1149 1166
Helicoverpa virescens
France
Beauveria bassiana 1314 1315 1316
Spain
Beauveria bassiana 1788

Helicoverpa zea
USA, Florida
Metarhizium anisopliae sensu stricto 1080
Mamestra brassicae
France
Isaria javanica 3981
Japan
Entomophaga aulicae 1657 1751 2362 2367 2368 2369
Pandora delphacis 1265
Mocis sp.
Colombia
Beauveria sp. 590
Metarhizium anisopliae sensu stricto 587
Mocis frugalis
Philippines
Nomuraea rileyi 1762
Mocis latipes
Brazil, Goiás
Conidiobolus coronatus 1884
Mexico
Isaria tenuipes 6889
Naranga sp.
Indonesia, Jawa Tengah, Java
Nomuraea rileyi 2345
Panolis flammea
United Kingdom
Batkoa sp. 6179
Beauveria bassiana 6100 6101 6177 6178
Plathypena scabra
USA, Florida
Nomuraea rileyi 6871 6881
USA, Missouri
Nomuraea rileyi 762
Plusia sp.
Japan
Nomuraea rileyi 1047
Plusiinae sp.
Brazil, Paraná
Nomuraea rileyi 6781 6785 6879
Prodenia litura
Japan
Nomuraea rileyi 1014
Pseudaletia sp.
Canada, Ontario
Entomophaga aulicae 1999
Pseudoplusia includens
USA, Alabama
Erynia sp. 2027
USA, Florida
Nomuraea rileyi 6866 6882
Pseudoplusia ni
Brazil
Acremonium roseum 1964
Rachiplusia nu
Argentina
Aspergillus sp. 5205
Brazil, Rio Grande do Sul
Nomuraea rileyi 2206
Raghuva albipunctella
Senegal
Fusarium nygamai 2316
Rivula atimeta
Philippines
Isaria farinosa 2344
Nomuraea rileyi 1756 1757 1758 1759 1760 2395
Sesamia calamistis
Benin
Beauveria bassiana 5649 5654
Sesamia cretica
Italy
Beauveria bassiana 1118
Sesamia inferens
Indonesia, Jawa Barat, Java
Zoophthora radicans 2411
Japan
Paecilomyces sp. 1008
Simyra henrici
USA, Florida
Beauveria bassiana 5988
Spodoptera sp.
Australia
Nomuraea rileyi 323 358 380
Brazil, Goiás
Nomuraea rileyi 935
India
Nomuraea rileyi 6867
Location not specified
Isaria farinosa 2546
Malaysia
Metarhizium anisopliae var. *majus* 8736
Metarhizium anisopliae sensu lato 8735
Philippines
Fusarium sp. 2736
Isaria fumosorosea 2734
Metarhizium pingshaense 2735
Spodoptera exigua
Thailand
Nomuraea rileyi 539
Spodoptera frugiperda
Brazil
Nomuraea rileyi 4094
Brazil, Bahia
Nomuraea rileyi 1972
Brazil, Paraná
Evlachovaea sp. 959
Nomuraea rileyi 6735 6768 6769 6770 6771 6772 6773 6774
Mexico
Beauveria bassiana 3288
Beauveria sp. 3289 3300
Isaria tenuipes 2488 2489 2490 2491
Metarhizium anisopliae sensu lato 3293
Metarhizium brunneum 3294
Nomuraea rileyi 3301
Spodoptera littoralis
France
Beauveria bassiana 1512 1513 3286
Spodoptera litura
India
Beauveria bassiana 6646 6647 6648 6650
Fusarium sp. 6649
Metarhizium anisopliae sensu stricto 10473
Nomuraea rileyi 6645
Trichoplusia ni
Mexico
Zoophthora radicans 6003

Lepidoptera: Noctuidae: Plusiinae
Brazil, Paraná
Beauveria bassiana 3937

Lepidoptera: Notodontidae
Ellida caniplaga
Canada, Ontario
Entomophaga aulicae 2903
Heterocampa sp.
Canada, Ontario
Entomophaga aulicae 2902
Heterocampa biundata
Canada, Ontario
Entomophaga aulicae 2905
Heterocampa guttivitta
Canada, Ontario
Entomophaga aulicae 2904
USA, New York
Entomophaga aulicae 3039 3212
USA, Vermont
Entomophaga aulicae 2843
Quadicalcarifera punctatella
Japan
Isaria farinosa 1042

Lepidoptera: Nymphalidae
United Kingdom
Isaria farinosa 981
Agraulis vanillae
Colombia
Isaria tenuipes 6788
Chlosyne lacinia saundersii
Brazil, Paraná
Isaria farinosa 1065
Metarhizium anisopliae sensu lato 1059
Metarhizium robertsii 1057
Purpureocillium lilacinum 1058
Opsiphanes cassinae
Colombia
Purpureocillium lilacinum 5805

Lepidoptera: Oecophoridae
Anteotricha sp.
Brazil, Pará
Evlachovaea sp. 2614 2615

Lepidoptera: Olethreutidae
Carpocapsa pomonella
Austria
Metarhizium brunneum 1095
Yugoslavia, Serbia
Beauveria bassiana 503

Lepidoptera: Phycitinae
Emmalocera depressella
India
Beauveria bassiana 2417
Fusarium sp. 2418

Lepidoptera: Pieridae
Colias erate poliographus
Japan
Entomophaga aulicae 2366
Pieris brassicae
Poland
Zoophthora radicans 1341 1342 1343 1344 1345 1346
Pieris rapae
USA, New York
Furia pieris 781

Lepidoptera: Plutellidae
Plutella sp.
Australia
Pandora blunckii 3075
Plutella maculipennis
Germany
Pandora blunckii 217
Plutella xylostella
Australia
Isaria fumosorosea 6799 6800
Benin
Fusarium sp. 5881
Purpureocillium lilacinum 6183 6197
Japan
Erynia sp. 983
Pandora blunckii 1000
Zoophthora radicans 1048
Malaysia
Zoophthora radicans 1100
Mexico
Pandora blunckii 6293 6294 6295 6296 6297 6298 6299 6300 6301 6302 6304 6305 6306 6307 6308 6309 6310 6311 6312 6316
Zoophthora radicans 6303 6313 6314 6315
Philippines
Aspergillus flavus 2818
Aspergillus sp. 2765 2817 2820
Beauveria bassiana 2727 2728 2729
Beniowskia sp. 2751
Conidiobolus coronatus 2730
Conidiobolus firmipilleus 2731
Conidiobolus sp. 2771 2772 2815 2816 3208 2776
Geotrichum sp. 2752
Isaria fumosorosea 2749
Pandora blunckii 2824 3200 3202
Pandora sp. 3201 3203 2821
Zoophthora radicans 2732 2893 3204 3205 3206
Romania
Isaria fumosorosea 5874
Metarhizium robertsii 5873
USA, New York
Beauveria bassiana 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 4540 4543 6150 6151 6152 6153
Metarhizium anisopliae sensu lato 4522

Lepidoptera: Pyralidae
Russian Federation
Sporothrix insectorum 9501
Acigona sp.
Benin
Beauveria bassiana 5647 5648
Chilo infuscatellus
India
Beauveria sp. 1886
Chilo plejadellus
Australia
Beauveria bassiana 326
Chilo sacchariphagus
Mozambique
Fusarium sp. 7045 7046
Chilo sacchariphagus indicus
India
Fusarium subglutinans 2142
Cnaphalocrocis medinalis
Indonesia, Jawa Barat, Java
Zoophthora radicans 2410
Philippines
Beauveria bassiana 2041
Nomuraea rileyi 1761 2174
Unidentified sp. 1703
Zoophthora radicans 1699
Coniesta sp.
Benin
Beauveria bassiana 5646
Corcyra cephalonica
Philippines
Mixed Culture sp. 2738
Diaphania hyalinata
Mexico
Isaria fumosorosea 3302
Diatraea saccharalis
Argentina
Beauveria bassiana 5500 5502
Brazil
Beauveria bassiana 1832 1834 3858
Brazil, Pernambuco
Beauveria bassiana 1484 2629 3020
Brazil, São Paulo
Beauveria brongniartii 1830
Mexico
Cylindrocarpon sp. 8043 8044
Metarhizium anisopliae sensu lato 3290 3291 3292
Unidentified sp. 3298 3299 3804
Dioryctria sylvestrella
Japan
Beauveria bassiana 1001
Hirsutella satumaensis 996
Dioryctria zimmermani
USA, Michigan
Hirsutella nodulosa 5473
Elasmopalpus lignosellus
USA, Texas
Trichoderma sp. 5730
Eldana saccharina
Benin
Beauveria bassiana 5645 5653 5655
Beauveria bassiana(?) 5644
Eoreuma loftini
USA, Texas
Aspergillus parasiticus 5470
Metarhizium anisopliae sensu lato 5469
Metarhizium anisopliae sensu stricto 5471
Galleria mellonella
Beauveria bassiana 6894
Beauveria bassiana(?) 6892
Isaria fumosorosea 6893
Australia
Metarhizium anisopliae sensu lato 8560
Canada, Alberta
Metarhizium anisopliae sensu lato 8212
Canada, Ontario
Metarhizium anisopliae sensu lato 8680 8681 8682 8683 8684 8685 8686 8687 8688 8689 8690 8691 8692
Denmark
Beauveria bassiana 8032 8033 8035
Beauveria brongniartii 8034
Greenland
Beauveria bassiana 8039 8040
Iran
Beauveria bassiana 6904 6905
Italy
Beauveria bassiana 1113 1114
Mexico
Metarhizium anisopliae sensu lato 7612 7613 7614 7615
Nicaragua
Purpureocillium lilacinum 8311 8312
Norway
Aspergillus flavus(?) 5503 5504 5505 5506 5507 5508 5509
Beauveria bassiana 5370 5510 5557 7552 7553 7554
Beauveria brongniartii 7555 7556 7557 7558 7559 7560 7561
Beauveria sp. 7562 7563 7564 7565 7566 7567 5560
Isaria farinosa 7574 7575 7576
Lecanicillium muscarium 7568
Metarhizium anisopliae sensu lato 5369 5513 5514 5515 5516 5517 5518 5519 5521 5554 5555 5556 6475 7014 7015 7016 7017 7018 7019 7020 7021 7022 7023 7024 7025 7026 7569 7570 7571 7572 7573
Metarhizium brunneum 6474
Metarhizium robertsii 6476
Portugal
Metarhizium anisopliae sensu lato 4904 4905 4906
Metarhizium robertsii 4903
Switzerland
Isaria farinosa 7531
Turkey
Beauveria bassiana 8339 8340 8343 8349 8354 8355 8431 8444 8661 8663 8664 8666 8667 8670 8672 8673 8674

Beauveria sp. 8675 8439 8441 8442 8449
Isaria fumosorosea 8333 8337 8345 8348 8448
Metarhizium anisopliae sensu lato 8334 8335 8336 8338 8341 8342 8344 8346 8347 8350 8351 8352 8353 8432 8433 8434 8435 8436 8437 8438 8440 8443 8445 8446 8447 8450 8451 8452 8453 8454 8660 8662 8665 8669
Metarhizium brunneum 8671
United Kingdom
Beauveria bassiana 6556
Metarhizium anisopliae sensu lato 6558
USA, Alaska
Beauveria bassiana 7955 7956 7957 7958 7959 7963 7964 7965 7966 7968
Beauveria sp. 7960
Isaria farinosa 7961 7962
Metarhizium anisopliae sensu lato 7967
USA, Arizona
Metarhizium anisopliae sensu lato 7847
USA, California
Beauveria bassiana 6147 6148 7060
USA, Maine
Isaria fumosorosea 9380
USA, Montana
Beauveria bassiana 6931 6932 6933 6934 6935 6936 6937 6938 6939 6940 6941 6943 6949 6950 6951 6952 6953
USA, North Carolina
Isaria farinosa 8770
Metarhizium anisopliae sensu lato 8769
Scopulariopsis brevicaulis 9943
USA, Oregon
Beauveria bassiana 7356 7357 7358 7359 7362 7364 7365
Metarhizium sp. 4998 5000 5076 5077
Unidentified / Hyphomycetes 5199
USA, Washington
Beauveria sp. 5078 4997 4999 5001
Gymnancyla canella
France
Beauveria bassiana 6796
Ostrinia nubilalis
France
Isaria farinosa 3983
Metarhizium anisopliae sensu stricto 1489
Italy
Beauveria bassiana 1121
PR China
Beauveria bassiana 501 502 533 652
USA, New York
Beauveria bassiana 1038
Lecanicillium muscarium 900
USA, Pennsylvania
Beauveria bassiana 2976
Pyrausta machaeralis
India
Metarhizium globosum 2596
Scirpophaga excerptalis
India
Fusarium subglutinans 2141
Terastia meticulosalis
Brazil
Beauveria bassiana 1836

Lepidoptera: Riodinidae
Euselasia sp.
Brazil, Rio Grande do Sul
Unidentified sp. 3467 3468

Lepidoptera: Saturniidae
Costa Rica
Beauveria bassiana 843
Dryocampa rubicunda
Canada, Ontario
Entomophaga aulicae 2897
Opodiphthera eucalypti
Australia
Beauveria bassiana 8843
Schirius sp.
Brazil, Paraná
Beauveria bassiana 2962

Lepidoptera: Sesiidae
South Africa
Gliocladium sp. 6632
Conopia myopaeformis
Italy
Isaria farinosa 1108
Monopetalotaxis doleriformis
South Africa
Beauveria bassiana 6971 6974 6975 6976 6977 6981

Lepidoptera: Stenomatinae
Stenoma decora
Brazil, Bahia
Beauveria bassiana 1479

Lepidoptera: Thaumetopoeidae
Thaumetopoea pityocampa
Turkey
Beauveria bassiana 8356

Lepidoptera: Tineidae: Archolophinae
USA, Tennessee
Cordyceps cardinalis 7192 7193

Lepidoptera: Tortricidae
USA, Massachusetts
Beauveria bassiana 5169
Adoxophyes orana
Japan
Lecanicillium muscarium 994
Choristoneura sp.
Canada, British Columbia
Beauveria bassiana 1850
Choristoneura fumiferana
Canada, New Brunswick
Tolypocladium inflatum 3321
Canada, Newfoundland
Entomophaga aulicae 2896 2898
Canada, Ontario
Entomophaga aulicae 1992 1993 1994 1995 1997 1998 2901
Zoophthora radicans 407
USA, Maine
Conidiobolus sp. 92 93 94 147 148
Entomophaga aulicae 51 164 165 166 167 168 172
Hirsutella longicolla var. *cornuta* 177 178
Zoophthora radicans 21 44 45 50 52 88 141 142 143 144 145 146 163 221 223 224 225 226 227 228 229 230 231 232 233 234 235
Cydia pomonella
Beauveria bassiana 7969
Australia
Lecanicillium muscarium(?) 1032
Bulgaria
Beauveria bassiana 6181 6187 6194 6195 6208 6209
Isaria farinosa 6207
Isaria fumosorosea 6192
Canada, Québec
Lecanicillium muscarium 6591
France
Beauveria bassiana 151 3972 3973 3974 3975 3977 3978 3979 5064 5066 5067 5229 5230 5231 5233 5234 5235 5886 5887 5888 6182 6184 6185 6186 6189 6191 6196 6201
Fusarium sp. 3976
Isaria farinosa 5883 5884 5885 6200 6202
Isaria fumosorosea 6203 6204
Paecilomyces sp. 6193 6198
Italy
Beauveria bassiana 1122
Lecanicillium lecanii(?) 1109
Portugal
Beauveria pseudobassiana 3220
Republic of Georgia
Beauveria sp. 6533 6534 6535 6536 6537
United Kingdom
Isaria farinosa 975
Eana argentana
Japan
Erynia sp. 1143
Epinotia aporema
Argentina
Zoophthora radicans 5814
Uruguay
Conidiobolus coronatus 4797
Zoophthora radicans 4781 4782 4784 4785
Epiphyas postvittana
New Zealand
Paecilomyces sp. 309
USA, California
Fusarium sp. 10470
Hedya nubiferana
France
Beauveria bassiana 6199

Laspeyresia medicagicus
France
Isaria farinosa 1225
Lobesia botrana
Italy
Beauveria bassiana 1107 1110
Isaria farinosa 1111
Metarhizium brunneum 1112
Merophyas divulsana
Australia
Zoophthora radicans 1082
Ptycholoma aeriferana
Japan
Zoophthora radicans 1674 1675
Rhyacionia frustrana
USA, Georgia
Beauveria bassiana 5573
Tortrix viridana
France
Zoophthora radicans 68
Russian Federation
Lecanicillium sp. 9458

Lepidoptera: Yponomeutidae
Yponomeuta sp.
France
Unidentified sp. 3998
Yponomeutidae sp.
France
Beauveria bassiana 3965 3966 3967 3968 3969 3970

Neuroptera: Chrysopidae
Chrysopa sp.
Commonwealth of Independent States
Beauveria bassiana 153

Odonata: suborder Anisoptera
USA, New York
Beauveria bassiana 4688

Orthoptera
Brazil, Goiás
Metarhizium anisopliae sensu lato 728
Mali
Aspergillus niger 3143
PR China
Beauveria bassiana 6231 9598
Metarhizium anisopliae sensu lato 6237
USA
Beauveria bassiana 3622
USA, Hawaii
Beauveria bassiana 8704

Orthoptera: ?Gryllacrididae
USA, Tennessee
Beauveria amorpha 6376 6577

Orthoptera: Acrididae
Australia
Beauveria australis 4580 4622
Beauveria bassiana 356 357 8578 8579
Metarhizium anisopliae sensu lato 8608 8609
Brazil, Bahia
Beauveria bassiana 1959
Brazil, Paraná
Beauveria bassiana 1053
Ecuador
Metarhizium flavoviride var. *minus* 2023
France
Beauveria bassiana 1326
Japan
Entomophaga asiatica 1393
Madagascar
Beauveria bassiana 5737 5738
Metarhizium anisopliae var. *acridum* 5734
Metarhizium acridum 5735
Mali
Fusarium acuminatum 3218
PR China
Beauveria bassiana 6230 6232
Republic of Georgia
Beauveria bassiana 8695
Republic of Korea
Beauveria bassiana 7235 7250
Cordyceps sp. 4854
Russian Federation
Beauveria sp. 4197
USA, Hawaii
Beauveria bassiana 7030
USA, Montana
Beauveria sp. 32
Conidiobolus thromboides 22
?Melanoplus sp.
USA, Montana
Sorosporella sp. 377
Acrotylus sp.
Pakistan
Metarhizium anisopliae sensu lato 3605
Aiolopus longicornis
Ethiopia
6449 6445 6446 6447 6450 6451 6452 6455
Simplicillium lamellicola 6448
Austracris guttulosa
Australia
Beauveria bassiana 8751 8752
Metarhizium anisopliae var. *acridum* 7970 8359
Metarhizium acridum 324 4605
Camnula pellucida
USA, Arizona
Entomophaga macleodii 496 618 619 620 621 624 628 629 765 767 768 769 773 774 777 778 779
USA, Oregon
Entomophaga macleodii 4948 4949 4950 4951 4952 4953
Chortoicetes terminifera
Australia
Metarhizium flavoviride 8758
Dissosteira carolina
Canada, Ontario
Entomophaga macleodii 375 376
USA, New York
Entomophaga macleodii 382 499
Hieroglyphus banian
India
Penicillium sp. 5335
Locusta migratoria
Australia
Beauveria bassiana 8846
Locusta migratoria capito
Madagascar
Metarhizium acridum 5736
Melanoplus sp.
Greece
Beauveria bassiana 3866 3897 5273
Spain
Aspergillus sp. 1152
USA
Beauveria bassiana 3620
Melanoplus bivittatus
Canada, Alberta
Beauveria bassiana 8213
USA, Arizona
Entomophaga calopteni 497
USA, Montana
Entomophaga calopteni 408
USA, South Dakota
Entomophaga calopteni 498
USA, Wyoming
Entomophaga calopteni 390
Melanoplus cuneatus
USA, Arizona
Entomophaga calopteni 623 626 646
Melanoplus differentialis
USA, Kansas
Entomophaga calopteni 2522
Melanoplus flavidus
USA, Wyoming
Entomophaga calopteni 383
Melanoplus packardii
USA, Arizona
Entomophaga calopteni 625
Ornithacris cavroisi
Niger
Metarhizium acridum 3341 7486
Oxya multidentata
Pakistan
Metarhizium anisopliae sensu lato 3619
Oxyops vitiosa
Australia
Beauveria bassiana 5987
Parapodisma sp.
Japan
Entomophaga asiatica 1659
Patanga succincta
Thailand
Metarhizium acridum 3609
Phaulacridium vittatum
Australia
Beauveria bassiana 4150
Metarhizium anisopliae sensu lato 7862
Metarhizium pingshaense 7415 7416
Praxibulus sp.
Australia
Entomophaga praxibuli 840

Pseudosphingonotus savignyi
Oman
Metarhizium guizhouense 3611
Metarhizium pingshaense 3610
Rhammatocerus schistocercoides
Brazil, Mato Grosso
Beauveria bassiana 7983
Schistocerca gregaria
Ethiopia
Beauveria bassiana 5633 5634 5635 5636 5637 5638 5639 5640 5641 5642 5643
Metarhizium anisopliae sensu lato 5628
Metarhizium anisopliae sensu stricto 7487
Laboratory manipulation
Metarhizium anisopliae sensu lato 3127
Schistocerca piceifrons
Mexico
Metarhizium acridum 5747 5748 5750
Metarhizium anisopliae sensu lato 5746 5749 5752
Metarhizium brunneum 5751

Orthoptera: Acrididae: Cyrtacanthacridinae
Kraussaria angulifera
Benin
Metarhizium anisopliae var. *acridum* 3614
Metarhizium acridum 3612
Senegal
Metarhizium acridum 6421

Orthoptera: Acridoidea
PR China
Isaria cateniobliqua 6283

Orthoptera: Catantopidae
Calliptamus italicus
Republic of Georgia
Beauveria bassiana 8694 8697
Metarhizium anisopliae sensu lato 8696 8698 8701 8702
Metarhizium sp. 8699

Orthoptera: Gryllacrididae
USA, Georgia
Beauveria caledonica 7117

Orthoptera: Gryllidae
Indonesia, Sulawesi Selatan, Celebes
Isaria guaensis 2152
Ornebius kanetataki
Japan
Metarhizium pingshaense 1009
Teleogryllus commodus
Metarhizium anisopliae sensu lato 8841 8842
Australia
Metarhizium anisopliae sensu lato 435 438 440 441 442 445 7489 7490 8760
Metarhizium pingshaense 436 437 439 443 444 446

Orthoptera: Gryllotalpidae
Commonwealth of Independent States
Metarhizium anisopliae sensu stricto 2786
Scapteriscus vicinus
USA, Florida
Beauveria bassiana 5977
Sorosporella uvella 1856

Orthoptera: Pyrgomorphidae
Zonocerus elegans
Tanzania
Metarhizium acridum 3391
Zonocerus variegatus
Benin
Metarhizium anisopliae var. *acridum* 3606
Guinea-Bissau
Metarhizium sp. 3615
Mali
Metarhizium sp. 3618

Orthoptera: Tetrigidae
Tetrix granulata
India
Fusarium sp. 8281 8286

Orthoptera: Tettigoniidae
Brazil, Goiás
Conidiobolus sp. 1477
Metarhizium robertsii 727
Indonesia, Sumatera Utara
Paecilomyces reniformis 577
Philippines
Paecilomyces reniformis 429 484
USA, Hawaii
Paecilomyces reniformis 7040 7041
Anabrus simplex
Beauveria bassiana 7379 7380

Orthoptera: Tettigonioidea
PR China
Beauveria bassiana 6234

Phasmatodea: Phasmatidae
PR China
Metarhizium anisopliae sensu lato 6236

Plecoptera: Capniidae
Allocapnia granulata
USA, Missouri
Capniomyces stellatus 9258

Plecoptera: Gripopterygidae
Argentina
Smittium sp. 9119

Psocoptera: Ectopsocidae
Ectopsocus sp.
Argentina
Hirsutella citriformis 8679

Psocoptera: Pseudocaeciliidae
Heterocaecilius sp.
Argentina
Hirsutella citriformis 8677 8678

Thysanoptera: Phlaeothripidae
Haplothrips tritici
Spain
Beauveria bassiana 4200
Unidentified sp. 3990 3991 3992 4201
Liothrips mikaniae
Trinidad
Hirsutella sp. 4513 4514

Thysanoptera: Thripidae
Canada
Lecanicillium muscarium 2923
France
Lecanicillium longisporum 3701
United Kingdom
Verticillium lecanii 6548
USA, Vermont
Beauveria bassiana 9927
Conidiobolus coronatus 6512 9914
Fusarium sp. 9937 9930 9931 9935 9936
Mariannaea sp. 9932 9933 9934
Paecilomyces marquandii 9928 9929
Trichoderma sp. 9938
Frankliniella occidentalis
Beauveria bassiana 9588
Metarhizium anisopliae sensu lato 9591
France
Lecanicillium lecanii 3683 3688
Lecanicillium lecanii(?) 3689
Lecanicillium muscarium 3684 3685 3686 3690 3691
Lecanicillium muscarium(?) 3687
Spain
Beauveria bassiana 3995 3996
Unidentified sp. 3993 3994 3997
USA, California
Beauveria bassiana 9587
USA, Florida
Conidiobolus coronatus 3222
USA, Hawaii
Acremonium(?) sp. 7031
USA, Vermont
Unidentified sp. 3570
Scirtothrips dorsalis
India
Fusarium sp. 7381
Taeniothrips inconsequens
Location not specified
Unidentified sp. 3319
USA, Connecticut
Hirsutella sp. 3266
Mariannaea sp. 3264 3265 3267 3268 3269 3270
USA, Massachusetts
Lecanicillium sp. 3259 3260
Mariannaea sp. 3261 3262 3263
USA, New Hampshire
Acremonium bactrocephalum 10169
Beauveria bassiana 10139
Lecanicillium fusisporum(?) 10184
Lecanicillium muscarium 10178
Lecanicillium psalliotae 10177
Lecanicillium sp. 10206 10207 10302 10303 10304 10305 10306

Mariannaea sp. 3258 10185 10204 10205
Unidentified / Hyphomycetes 10307
USA, New York
Isaria sp. 10162
Lecanicillium psalliotae 10170
Lecanicillium sp. 10154
Mariannaea sp. 3257 10150 10151
USA, Pennsylvania
Lecanicillium sp. 3253 3254 3255
Mariannaea sp. 3252
USA, Vermont
Acremonium bactrocephalum 10166 10167 10168
Beauveria bassiana 10138 10140 10143 10144 10145 10147 10148
Hirsutella sp. 2939 2940 3318 3546 3548 3553
Isaria farinosa 3564 10155 10157 10158 10159 10161
Isaria sp. 10231 10232 10233
Lecanicillium psalliotae 10175 10176 10180 10181 10182
Lecanicillium psalliotae(?) 10183
Lecanicillium sp. 10187 10188 10189 10190 10192 10193 10195 10196 10197 10198 10199 10200 10201 10202 10203 10208 10209 10210 10211 10212 10213 10214 10287 10288 10289 10290 10291 10294 10295 10296 10297 10298 10299 10300 10301
Mariannaea sp. 2930 3315 3316 3317 3549 3554 3555 3557 3558 3559 3562 3563 10152 10153 10194
Metarhizium anisopliae sensu lato 10135 10136 10137
Tolypocladium cylindrosporum 10146
Unidentified sp. 3560
Unidentified / Hyphomycetes 10191 10282 10283 10284 10285 10286 10292 10293
Verticillium sp. 3547 3550 3551 3552 3556 3561
Thrips calcaratus
USA, Wisconsin
Beauveria pseudobassiana 3216
Thrips palmi
Trinidad and Tobago
Hirsutella sp. 4193
USA, Puerto Rico
Cladosporium cladosporioides 3375
Thrips tabaci
Denmark
Acremonium psammosporum 4062
Acremonium sp. 4063
Lecanicillium lecanii(?) 5580
Unidentified / Hyphomycetes 3142
Verticillium lecanii 5709
Germany
Entomophthora thripidum 5868 6517 6518 6519 6520 6521 6522 6525
Switzerland
Neozygites parvispora 5620 5621

Trichoptera
Canada, Ontario
Harpellales, genus undetermined 9064
Legeriosimilis sp. 9066
Canada, Québec
Erynia curvispora 3244
Unidentified sp. 3242 3243
Russian Federation
Erynia sp. 9537
Ukraine
Rotiferophthora angustispora 9498
United Kingdom
Erynia rhizospora 1440 1441 1443
Pandora dipterigena 2406
USA, Maine
Erynia rhizospora 219
USA, New York
Erynia rhizospora 801 2276
Wales
Erynia rhizospora 1442

Trichoptera: Hydropsychidae
United Kingdom
Erynia rhizospora 2407

Chordata • Amphibia

Anura: Bufonidae
Bufo bufo
United Kingdom
Basidiobolus sp. 9894 9895 9896 9897 9898 9899 9906 9907 9908

Anura: Dendrobatidae
Dendrobates leucomelas
Switzerland
Basidiobolus sp. 9888

Anura: Discoglossidae
Alytes sp.
United Kingdom
Basidiobolus sp. 9903 9904 9905 9909 9910 9911 9912
Discoglossus sp.
Italy
Basidiobolus sp. 9900 9901 9902

Anura: Microhylidae
Dyscophus guineti
Switzerland
Basidiobolus sp. 9887

Anura: Ranidae
Hylarana erythraea
Malaysia
Basidiobolus sp. 9890
Hylarana glandulosa
Malaysia
Basidiobolus sp. 9892
Hylarana labialis
Malaysia
Basidiobolus sp. 9891 9893

Caudata: Salamandridae
Triturus marmoratus
Switzerland
Basidiobolus sp. 9889

Chordata • Mammalia

Artiodactyla: Bovidae
Ovis aries
United Kingdom
Beauveria bassiana 7770

Perissodactyla: Equidae
Equus ferus caballus
United Kingdom
Beauveria bassiana 7771 7772
USA, Louisiana
Conidiobolus coronatus 2715
Conidiobolus lamprauges 2338

Primates: Hominidae
Homo sapiens
Australia
Metarhizium anisopliae sensu lato 8759
Indonesia
Basidiobolus haptosporus 261 272
Location not specified
Basidiobolus sp. 273
Nigeria
Conidiobolus coronatus 206
USA, New Mexico
Beauveria bassiana 8601
USA, Texas
Conidiobolus sp. 2928
USA, Wisconsin
Beauveria bassiana 8602

Cnidaria • Anthozoa

Alcyonacea: Gorgoniidae
Gorgonia ventalina
Netherlands
Aspergillus sydowii 8381
The Bahamas
Aspergillus sydowii 8380
USA, Florida
Aspergillus sydowii 8379 8382

Nemata • Secernentea

Aphelenchida: Aphelenchoididae
Aphelenchoides sp.
USA, New York
Haptocillium balanoides 3173
Sterile mycelium 3735

Dorylaimida: Longidoridae
Xiphinema sp.
USA, Pennsylvania
Catenaria anguillulae 2015
Leptolegnia sp. 2004
Xiphinema americanum
USA, Pennsylvania
Aphanomyces sp. 2005
Xiphinema rivesi
USA, Pennsylvania
Lagenidium caudatum 2003

Rhabditida: Rhabditidae
Bunonema sp.
Japan
Nematoctonus sp. 5663
Cruznema lambdiense
USA, Tennessee
Macrobiotophthora vermicola 650

Tylenchida: Criconematidae
Criconemella curvata
USA, Pennsylvania
Hirsutella rhossiliensis 2007
Criconemella xenoplax
USA, California
Hirsutella rhossiliensis 3747 3748 3750 3754
USA, Pennsylvania
Hirsutella rhossiliensis 2006 2008 3744 3746

Tylenchida: Heteroderidae
Heterodera glycines
PR China
Hirsutella minnesotensis 7288 7289 7290 7291 7294
Hirsutella rhossiliensis 7286 7287 7292 7293 7295
Ramicandelaber longisporus 6175 6176
USA, Arkansas
Unidentified / Hyphomycetes 5237 5238 5239 5240 5241
USA, Kentucky
Unidentified / Hyphomycetes 5244
USA, Mississippi
Unidentified / Hyphomycetes 5245 5246 5247 5248
USA, Tennessee
Unidentified / Hyphomycetes 5242 5243
Heterodera humuli
Germany
Hirsutella rhossiliensis 2894
Heterodera schachtii
USA, California
Drechslerella dactyloides 2934
Hirsutella rhossiliensis 2788 2789 2790 2791 2792 2794 2931 2932 2933 3761
Meloidogyne sp.
India
Purpureocillium lilacinum 2233
Peru
Purpureocillium lilacinum 2183
Philippines
Purpureocillium lilacinum 2181 2182 2184 2185 2186
Meloidogyne hapla
USA, New York
Drechslerella dactyloides 4955
Arthrobotrys oligospora 4967
Fusarium oxysporum 4963 4964
Fusarium sp. 4956 4962
Harposporium anguillulae 4954
Lecanicillium psalliotae 4960 4965
Monacrosporium cionopagum 4966
Monacrosporium ellipsosporum 4957 4959

Rotifera • Bdelloidea

Bdelloida: Adinetidae
Adineta sp.
Japan
Pseudomeria mucosa 10262
Rotiferophthora sp. 9544
USA, New York
Pseudomeria mucosa 10272
Rotiferophthora barronii 10267
Rotiferophthora globospora 10268
Rotiferophthora sp. 10266
Triacutus subcuticularis 10260
Adineta vaga
USA, New York
Harposporium botuliforme 10275

Bdelloida: Habrotrochidae
Habrotrocha sp.
Japan
Rotiferophthora sp. 9545 9546
USA, New York
Rotiferophthora cylindrospora 9547 9548
Rotiferophthora denticulospora 9549
Rotiferophthora sp. 10265
Habrotrocha elusa
USA, New York
Harposporium spirosporum 8821 10271
Pseudomeria mucosa 8993 9383
Rotiferophthora angustispora 8991
Rotiferophthora guttulaspora 10269
Rotiferophthora intermedia 10270
Habrotrocha elusa elusa
USA, New York
Pochonia sp. 10261
Rotiferophthora cylindrospora 8992 10273
Rotiferophthora ovispora 10274
Rotiferophthora sp. 9542 9543 10263 10264

Vertebrata • Reptilia

Chelonia: Emydidae
Trachemys scripta
Spain
Beauveria bassiana(?) 5990

Crocodylia: Alligatoridae
Alligator mississippiensis
USA, Oklahoma
Beauveria bassiana 2455

Squamata: Colubridae
Elaphe sp.
Germany
Schizangiella sp. 2237 2239
Elaphe obsoleta
USA, Virginia
Schizangiella serpentis 8000 8047

Squamata: Viperidae
Crotalus horridus
USA, Maryland
Schizangiella serpentis 203

Fungi

Ascomycota • Eurotiomycetes

Eurotiales: Elaphomycetaceae
Elaphomyces sp.
Canada, British Columbia
Elaphocordyceps ophioglossoides 8013
Russian Federation
Elaphocordyceps ophioglossoides 9485
USA, New York
Elaphocordyceps ophioglossoides 4826 4827 4828 4829 4830 4831 4832 4833 4834 4835 4836 4837
USA, Oregon
Elaphocordyceps capitata 8009

Ascomycota • Pyrenomycetes

Sordariales: Nitschkiaceae
Bertia moriformis
New Zealand
Neobarya parasitica 6156

Basidiomycota • Hymenomycetes

Agaricales
Volvariella volvacea
USA, Puerto Rico
Conidiobolus coronatus 1147

Agaricales: Tricholomataceae
Armillaria mellea
Russian Federation
Calcarisporium arbuscula 6155

Dacrymycetales
USA, New York
Conidiobolus coronatus 3087

Basidiomycota • Pucciniomycetes

Russian Federation
Lecanicillium muscarium 9471 9472

Pucciniales: Phragmidiaceae
Phragmidium sp.
Ukraine
Lecanicillium muscarium(?) 9462

Eumycota • Basidiomycota

Agaricales: Entolomataceae
Entoloma sp.
USA, New York
Lecanicillium flavidum 4519

Eumycota • Basidiomycotina

Uredinales
Hemileia vastatrix
Ethiopia
Lecanicillium muscarium 6699
Thailand
Verticillium epiphytum 5250
Olivea colebrookeae
India
Lecanicillium psalliotae 5249

Uredinales: Pucciniaceae
Puccinia striiformis
Germany
Verticillium lecanii 5221

Myxomycota • Myxomycetes

Trichiales: Trichiaceae
Hemitrichia serpula
USA, New York
Polycephalomyces tomentosus 5353

Plantae

Pinophyta • Taxopsida

Taxales: Taxaceae
Taxus sp.
USA, Vermont
Ostracoderma sp. 5163

Antarctica
Isaria farinosa 2975
Lecanicillium lecanii(?) 5136 5137 5138
Victoria Land
Conidiobolus antarcticus 6913

Argentina
Buenos Aires
Aphanocladium sp. 8457 8458
Aspergillus sp. 5205
Beauveria bassiana 5501 7049 7201 7202 7464 7465 7466 7467 7468 7469 7471 7776 8368 8369 8370 8371 8459 8460 8461 8465 8520 8521 8522 8523 8524 8525 8526 8528 8529 8530 8929
Beauveria sp. 7463
Conidiobolus coronatus 7203
Conidiobolus sp. 7786
Hirsutella citriformis 8677 8678 8679
Hirsutella sp. 8378
Isaria farinosa 2971 7777
Isaria fumosorosea 6916 7050 7051 7204 7205 8717 8718 8719 8720 8721 8723 8724 8725 8726 8727 8728 8729 8730 8928
Isaria javanica 7477
Lecanicillium lecanii 7207 7462
Lecanicillium longisporum 7206 7457 7458 7459 7461 7783 7784
Lecanicillium muscarium 7460 7781 7782 7785
Leptolegnia chapmanii 5499 7787
Metarhizium anisopliae sensu lato 7474 7475 7476 8375 8527
Metarhizium brunneum 2974 6120
Nomuraea rileyi 5208 5209 5210 5211 5212 6877 7052 7053 7054 7055 7056 7149 7479 7480 7481 7482 7483 7778
Smittium culisetae 5430 9075 9094 9131
Smittium culicis 5431 5432 9004 9031
Zoophthora radicans 5814 6917 7208 7455 7788 7789 8466
Zoophthora sp. 7454
Córdoba
Beauveria bassiana 7147
Corrientes
Beauveria bassiana 8464
Metarhizium anisopliae sensu lato 8376 8377
Entre Ríos
Clonostachys rosea 7472
La Rioja
Fusarium sp. 7473
Neuquén
Smittium sp. 9119
Río Negro
Smittium tronadorium 9030
Santa Fe
Beauveria bassiana 5500 5502
Nomuraea rileyi 7150 7151 7484 7779 7780
Santiago del Estero
Nomuraea rileyi 2465 7148
Purpureocillium lilacinum 7478
Tucumán
Beauveria bassiana 2010 2011 2457 2509 2515 2516 7470 8372 8373 8374 8462 8463
Clonostachys rosea 7200
Hirsutella thompsonii 2012 2464
Lecanicillium longisporum 2460
Lecanicillium sp. 2009
Metarhizium robertsii 3925
Nomuraea rileyi 2013 2466

Australia
Conidiobolus sp. 2924 2925 2926 2927
Culicinomyces clavisporus 2622
Hirsutella rhossiliensis 3879
Lecanicillium muscarium(?) 1032
Metarhizium anisopliae sensu lato 438 4125
Metarhizium brunneum 4228
Metarhizium pingshaense 437
Pandora neoaphidis 381
Australian Capital Territory
Aspergillus parasiticus 4128
Beauveria bassiana 7853 8578 8579
Metarhizium anisopliae sensu lato 7863 8059 8502 8560 8561 8562 8608 8609 8837 8838
Metarhizium majus 473
Pandora neoaphidis 835
Avoca
Metarhizium anisopliae sensu lato 4299
Metarhizium frigidum 4294
Macquarie Island
Beauveria bassiana 4289
Metarhizium anisopliae sensu lato 4343 4344 4345 4569 4570
New South Wales
Ascosphaera duoformis 5141
Ascosphaera sp. 7368
Aspergillus flavus 4126
Aspergillus parasiticus 4129
Aspergillus tamarii 4127
Batkoa apiculata 839
Beauveria bassiana 300 356 357 4130 4589 4607 7813 8493 8753 8763 8843 8846 8853 8854
Conidiobolus coronatus 471
Conidiobolus obscurus 354 824 834
Culicinomyces clavisporus 644 645 2471 2472 2473 2474 2475 2476 2477 2478
Entomophaga praxibuli 840
Isaria fumosorosea 8892
Metarhizium anisopliae sensu lato 4242 4568 4574 4777 4778 4779 4780 7498 7499 7500 7503 7814 7820 7821 7822 7823 7862 8060 8061 8062 8063 8064 8067 8068 8069 8070 8071 8072 8073 8074 8075 8080 8081 8082 8083 8084 8085 8086 8087 8088 8089 8090 8091 8092 8093 8094 8095 8096 8097 8229 8230 8231 8232 8233 8234 8235 8236 8492 8495 8503 8504 8505 8506 8507 8508 8509 8510 8511 8512 8513 8514 8515 8516 8517 8518 8531 8532 8533 8534 8535 8536 8537 8538 8539 8540 8541 8542 8575 8759 8764 8765 8766 8767 8829 8844
Metarhizium anisopliae sensu stricto 7432
Metarhizium brunneum 472
Metarhizium flavoviride 8758
Metarhizium frigidum 7436 7437 7438 7439 7440 7441 7442 7443 7444 7445 7446 7447 7448
Metarhizium guizhouense 4588 7502
Metarhizium majus 4566 4601
Metarhizium pingshaense 7414 7415 7416
Metarhizium robertsii 4241 4621 7413 7501
Metarhizium sp. 7495 8851 8852 8855 8856 8857
Nomuraea anemonoides 2467
Pandora kondoiensis 828 836 837
Pandora neoaphidis 827 829 838
Penicillium sp. 4263
Smittium culisetae 9025
Zoophthora radicans 359 370 823
Northern Territory
Metarhizium anisopliae sensu lato 8581 8584 8585 8587 8588 8589 8590 8591 8745 8746 8747 8768
Metarhizium anisopliae sensu stricto 7430
Queensland
Ascosphaera apis 5142
Ascosphaera arienoides 5143
Ascosphaera solina 5146
Ascosphaera subcuticulata 5145
Beauveria bassiana 325 326 5987 7891 8065 8066 8751 8752 8891
Conidiobolus coronatus 349
Ophiocordyceps heteropoda 1880
Crypticola clavulifera 1940
Culicinomyces bisporalis 1948 1949
Culicinomyces clavisporus 2480 2481
Entomophaga australiensis 328 331 365
Entomophthora chromaphidis 1860 1862 1863
Isaria fumosorosea 6799 6800
Lagenidium giganteum 2529 2530 2531 2532
Metarhizium anisopliae var. *acridum* 7522 7970 8359
Metarhizium acridum 324 4605
Metarhizium anisopliae var. *lepidiotae* 7453 8732
Metarhizium anisopliae sensu lato 7411 7451 7452 7496 7504 7816 7817 7818 7819 7824 7825 7826 7827 7828 7829 7830 7831 7832 7833 7834 7835 7836 7837 7838 7839 7840 7841 7842 7843 7844 7846 7854 7855 7856 7857 7858 7859 7860 7861 7864 7865 7867 7868 7892 7893 7894 7895 7896 7897 7898 7899 7900 7901 7902 7903 7904 7905 7906 7907 7908 7909 7910 7911 7912 7913 7914 7915 7916 7917 7918 7919 7920 7926 7931 8496 8497 8500

8558 8559 8563 8564 8565 8566 8567 8577 8582 8583 8586 8592 8610 8615 8616 8617 8618 8619 8620 8621 8622 8731 8733 8734 8744 8754 8755 8761 8762 8823 8824 8828 8833 8834 8839 8845 8847 8850 10469
Metarhizium anisopliae sensu stricto 7418 7419 7423 7426 7427 7428 7450
Metarhizium guizhouense 7420
Metarhizium lepidiotae 7412 7488
Metarhizium majus 7505
Metarhizium pingshaense 7410 7417 7421 7422 7425 7429
Metarhizium robertsii 7449
Nomuraea rileyi 323 358 380
Pandora blunckii 3075
Pandora kondoiensis 369 825
Pandora nouryi 362
Paraisaria dubia 5764
Pseudogibellula formicarum 5765 5766
Zoophthora radicans 1082
South Australia
Beauveria bassiana 4273
Metarhizium anisopliae sensu lato 4132 4133 4139 7845 8570 8571 8572 8573 8574 8611
Metarhizium brunneum 346 4131
Tasmania
Beauveria amorpha 4149
Beauveria australis 4580 4598 4622
Beauveria bassiana 4135 4136 4150 4222 4240 4258 4261 4271 4274 4276 4285 4297 4300 4301 4305 4320 4326 4353 4356 4564 4571 4583 4611 4612 4616 4644 4658 4670 4672 4685 4721 4741 4744 4745 8835 8836
Beauveria caledonica 4302
Beauveria malawiensis 4755
Beauveria sp. 4254
Cordyceps gunnii 6828
Furculomyces boomerangus 9021
Fusarium sp. 4238
Isaria fumosorosea 8840
Metarhizium anisopliae sensu lato 4134 4137 4138 4141 4151 4155 4156 4157 4159 4160 4161 4162 4163 4166 4167 4168 4169 4170 4171 4172 4173 4174 4175 4176 4177 4178 4180 4181 4183 4184 4185 4186 4187 4188 4189 4190 4191 4192 4220 4224 4225 4226 4229 4230 4232 4234 4235 4236 4244 4246 4247 4248 4249 4250 4252 4253 4255 4256 4257 4259 4262 4264 4265 4266 4267 4268 4269 4270 4275 4278 4279 4280 4281 4282 4283 4284 4286 4287 4288 4291 4292 4293 4295 4296 4298 4306 4307 4308 4309 4310 4311 4312 4313 4314 4315 4316 4317 4318 4319 4322 4323 4324 4325 4327 4328 4329 4330 4331 4332 4346 4347 4348 4349 4350 4351 4352 4354 4355 4357 4560 4562 4563 4565 4567 4573 4576 4577 4578 4579 4581 4584 4585 4586 4590 4591 4592 4593 4594 4595 4596 4599 4600 4602 4603 4606 4608 4609 4613 4614 4617 4618 4619 4620 4623 4624 4625 4626 4627 4629 4631 4632 4633 4634 4635 4636 4637 4638 4639 4640 4641 4643 4645 4646 4647 4648 4649 4650 4651 4652 4653 4654 4655 4657 4661 4663 4664 4665 4668 4669 4671 4673 4674 4676 4677 4678 4682 4683 4684 4687 4716 4717 4718 4722 4723 4724 4725 4726 4731 4732 4733 4734 4735 4736 4737 4738 4740 4743 4746 4747 4748 4749 4752 4753 4754 4757 4758 4759 4760 4761 4762 4763 4764 4766 4774 8749
Metarhizium brunneum 4152 4158 4164 4179 4251 4615
Metarhizium flavoviride 4221 4272 4304
Metarhizium flavoviride var. *flavoviride* 4719 4720 4727 4729 4730
Metarhizium flavoviride var. *novazealandicum* 8750
Metarhizium frigidum 4219 4277 4561 4680 4765
Metarhizium guizhouense 4153 4303 4321
Microhilum oncoperae 4358 4769 4770 4771
Mixed Culture sp. 4145 4245 4260
Metarhizium lepidiotae 4154
Metarhizium robertsii 4227 4628 4739
Metarhizium sp. 4165
Paecilomyces sp. 4742
Penicillium sp. 4143 4144 4146 4148 4182 4223 4666
Phialophora sp. 4751
Smittium culicis 9003 9057 9123 9124 9125 9140 9141 9142
Smittium sp. 9079
Sterile mycelium 4237 4243 4750
Tolypocladium inflatum 4575 4772
Unidentified sp. 4140 4147
Unidentified / Hyphomycetes 4233
Victoria
Beauveria bassiana 8756 8757
Culicinomyces clavisporus 2479
Furculomyces boomerangus 9077 9259
Metarhizium anisopliae sensu lato 435 440 441 442 445 7489 7490 7815 8543 8544 8545 8546 8547 8548 8760
Metarhizium frigidum 4124
Metarhizium pingshaense 436 439 443 444 446
Pandora neoaphidis 830
Smittium culicis 9005 9006 9040 9041
Smittium elongatum 9251
Western Australia
Ascosphaera atra 5147
Ascosphaera flava 5144
Beauveria bassiana 7877 7878 7889 7890
Metarhizium anisopliae sensu lato 7869 7870 7871 7872 7873 7874 7875 7876 7879 7880 7881 7882 7883 7884 7885 7886 7887 7888 7932 7933 7934 7935 7936 8100 8101 8102 8549 8550 8551 8552 8553 8554 8555 8556 8557 8576 8848 8849
Metarhizium robertsii 7424
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Metarhizium brunneum 1095 7711
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Beauveria bassiana 1533 1534 1535 1536 1537 1538 1539 1540 1635 1636 1637 1638 1640 1643 1973 1974 1988
Fusarium sp. 1641
Trichothecium roseum 1639 1642
Tirol
Tolypocladium inflatum 3277

Azores
Beauveria amorpha 4990
Beauveria brongniartii 4992 4993 4994 4995

Barbados
Basidiobolus sp. 3764

Belarus
Beauveria bassiana 9450
Isaria farinosa 9514
Isaria sp. 9519
Purpureocillium lilacinum 9524
Polycephalomyces sp. 9497
Lecanicillium fungicola 9483

Belgium
Beauveria bassiana 1848

Belize
Hypocrella amazonica 7669

Benin
Beauveria bassiana 5649 5653
Fusarium sp. 5875 5878
Hirsutella thompsonii var. *synnematosa* 5412
Metarhizium anisopliae var. *acridum* 3606 3614
Metarhizium acridum 3612
Metarhizium sp. 3613
Purpureocillium lilacinum 5876 5877 5880 5882 6188 6190
Atakora
Beauveria bassiana 5654 5655
Atlantique
Beauveria bassiana 5645 5652
Beauveria bassiana(?) 5644
Fusarium sp. 5881
Metarhizium acridum 6598
Borgou
Beauveria bassiana 5646 5647 5648
Metarhizium acridum 6592
Metarhizium flavoviride var. *minus* 6593 6594 6595 6596
Ouémé
Metarhizium acridum 6597
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Zou
Metarhizium acridum 6600
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Bolivia
Aschersonia incrassata 7670
Departamento La Paz
Aschersonia cubensis 7647 7648
Aschersonia sp. 7656
Aschersonia viridans 7650 7652 7653
Hyperdermium sp. 7655

Brazil
Acremonium roseum 1964
Aschersonia aleyrodis 8996 8997
Aschersonia sp. 4098
Beauveria bassiana 1831 1832 1833 1834 1836 2722 2723 3219 3858 4091 4092 4093
Beauveria sp. 1835 3859
Cladosporium herbarum 3792
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Isaria fumosorosea 3852 3857
Isaria tenuipes 4096
Metarhizium anisopliae sensu lato 549 550 551 1899 1902 1911 3147 4095 8498
Metarhizium anisopliae sensu stricto 2517
Nomuraea rileyi 4094
Purpureocillium lilacinum 3854
Paecilomyces marquandii 3855
Paecilomyces sp. 3853
Trichoderma sp. 807
Unidentified sp. 3860
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Beauveria bassiana 1953 1954 1955 1956
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Isaria fumosorosea 2956
Lecanicillium aphanocladii(?) 7986
Metarhizium anisopliae sensu stricto 755
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Beauveria bassiana 1479 1959 1960 1961 1962 2075 3999
Fusarium sp. 4002
Metarhizium anisopliae sensu lato 1282 1299 1379 1382 1896 1898 1958
Metarhizium anisopliae sensu stricto 1045 1894 1900
Nomuraea rileyi 1972
Neozygites floridana(?) 6219 6220 6221
Unidentified sp. 3474 4000 4003
Ceará
Beauveria bassiana 753 757 783 784 785 786 787 788 804 805 2637 4001
Erynia sp. 876 880 884
Hirsutella guyana 2993
Hirsutella sp. 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2992
Distrito Federal
Beauveria bassiana 3018 3019
Evlachovaea sp. 6641
Isaria fumosorosea 3480
Metarhizium anisopliae sensu lato 3479
Metarhizium pingshaense 552
Purpureocillium lilacinum 3481
Simplicillium lanosoniveum 6642
Unidentified sp. 3475 3476
Espírito Santo
Beauveria bassiana 1483
Metarhizium anisopliae sensu lato 925
Metarhizium anisopliae sensu stricto 1044
Penicillium sp. 2643
Goiás
Beauveria bassiana 733 734 735 736 737 738 739 752 754 758 806 809 928 930 931 933 934 956 957 1476 1478 1971 2079 2191 2625 2626 2636 2938 2942 2943 2944 2961
Conidiobolus coronatus 1884
Conidiobolus sp. 1477 2193
Entomophaga australiensis 743 1888
Entomophaga sp. 1230
Erynia sp. 1241
Furia americana 742 2192 2194
Hirsutella sp. 1625
Isaria amoenerosea 741 744 2220 2958 2959 2960
Isaria fumosorosea 722 2216 2217 2219 2221
Metarhizium anisopliae sensu lato 725 728 729 759 760 782 808 929 932 939 955 1882 1883 1885 1970 2076 2077 2212 2213 2214 2510 2513 2635 2941 2949 2951
Mixed Culture sp. 3472
Metarhizium pingshaense 1448
Metarhizium robertsii 724 727 1952 2514
Nomuraea rileyi 935 936
Purpureocillium lilacinum 723 2078 2215 2952
Pandora delphacis 1238 1936
Penicillium sp. 2950
Pochonia chlamydosporia var. *chlamydosporia* 2218
Unidentified sp. 3626 3629 3633 3639 3640 3641 3642 3643 3644 3645 3646 3647 3648 3649 3650 3651 3652 3653 3655 3656 3657
Zoophthora radicans 789 790 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1541 1542 1543 1544 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1593 1594 1595 1928 1929 1930 1931 1932 1933 1934 1935 1937 2196
Mandioca
Unidentified sp. 3793
Maranhão
Unidentified sp. 3630 3635
Mato Grosso
Beauveria bassiana 477 937 938 941 942 943 944 945 946 947 948 949 950 951 952 953 982 2401 2402 2403 2404 5956 5957 5960 5961 5962 5964 7983 7984 8637 8638
Beauveria bassiana(?) 5959
Conidiobolus sp. 2147 2148
Evlachovaea sp. 6635 6639 6640
Isaria tenuipes 3939
Lecanicillium aphanocladii 6433
Lecanicillium aphanocladii(?) 7985
Lecanicillium sp. 8639
Metarhizium anisopliae sensu lato 954
Purpureocillium lilacinum 3469
Simplicillium lanosoniveum 6636 6637
Tolypocladium sp. 6634
Unidentified sp. 2640 3470 3473 3627 3628 3631 3632 3636 3638
Unidentified / Hyphomycetes 8640
Minas Gerais
Beauveria bassiana 5965
Evlachovaea sp. 6146
Pará
Beauveria bassiana 2619
Beauveria caledonica 2251
Evlachovaea sp. 2613 2614 2615
Hirsutella versicolor 1034
Metarhizium anisopliae sensu lato 1449 1890 1891 1895 1901
Nomuraea rileyi 1950
Paecilomyces sp. 2616 2617 2618
Paraná
Aschersonia sp. 4424 4426 4430 4431 4432
Aspergillus clavatus 4359
Beauveria bassiana 958 1053 1054 1060 1061 1450 1453 1454 1455 1457 1458 1461 1462 1463 1466 1469 2511 2519 2520 2642 2962 3937 8635 8636
Evlachovaea sp. 959
Furia americana 1240 1242
Isaria farinosa 1065
Isaria fumosorosea 5154 5155 5156 5157 5158 5159
Isaria tenuipes 3938
Metarhizium anisopliae sensu lato 1055 1056 1059 1989 2521 3918 3919 3920 5161
Metarhizium anisopliae sensu stricto 3924
Metarhizium robertsii 1057
Nomuraea rileyi 3940 6732 6733 6734 6735 6736 6737 6738 6739 6740 6741 6742 6743 6744 6745 6746 6747 6748 6749 6764 6765 6766 6767 6768 6769 6770 6771 6772 6773 6774 6775 6776 6777 6778 6779 6780 6781 6782 6783 6784 6785 6786 6787 6874 6878 6879
Purpureocillium lilacinum 1058
Paecilomyces sp. 5160
Sterile mycelium 4376
Zoophthora radicans 1239
Pernambuco
Beauveria bassiana 1484 2629 3020
Beauveria brongniartii 1829

Metarhizium anisopliae sensu lato 2628
Metarhizium anisopliae sensu stricto 2627 7980
Piauí
Unidentified sp. 3634
Rio de Janeiro
Cladosporium herbarum 4361
Colletotrichum gloeosporioides 4360
Rio de Janiero
Purpureocillium lilacinum 1951
Rio Grande do Norte
Entomophaga australiensis 791
Hirsutella guyana 878 879 881 882 883
Rio Grande do Sul
Beauveria bassiana 1456 1459 1460 1464 1465 1475 3098 3477 5968 5969
Fusarium sp. 5219
Nomuraea rileyi 2201 2202 2203 2204 2205 2206 2207
Unidentified sp. 3466 3467 3468 3471 3478 3624 3625
Zoophthora radicans 1227
Rondônia
Hirsutella versicolor 1037
Santa Catarina
Beauveria bassiana 1467 1468 1470 1471 1472 1473 1474
Zoophthora radicans 1228 1229 1231 1232 1233 1234 1236 1237
São Paulo
Beauveria amorpha 2641
Beauveria bassiana 1480 1966 2559 2630 2631 2632 2633 2638 2639 2945 2946 5958 5963 6513 6514
Beauveria brongniartii 1830
Hirsutella thompsonii 6633
Isaria fumosorosea 6434 6435
Lecanicillium lecanii 7550
Lecanicillium psalliotae 6436
Lecanicillium sp. 7373
Metarhizium anisopliae sensu lato 2211 2634
Metarhizium anisopliae sensu stricto 7979 7981
Metarhizium flavoviride 'Type E' 2948
Metarhizium robertsii 2560 2561
Nomuraea rileyi 6875
Paecilomyces sp. 3101
Sporothrix sp. 6341
Unidentified sp. 3637
Unidentified / Hyphomycetes 7374
Zoophthora radicans 2994 2995 2996 3002 3003 3004 3005 3006 3007 3008 3009 3010 3011 3012 3013
Sergipe
Evlachovaea sp. 2620

Bulgaria
Beauveria bassiana 6181 6187 6194 6195 6208 6209
Isaria farinosa 6207
Isaria fumosorosea 6192

Burma
Metarhizium anisopliae sensu lato 7485 8215 8216 8217 8218 8219 8220 8221 8222 8223 8224 8225 8226 8227 8228
Metarhizium brunneum 7433 7434

Cameroon
Centre-Sud
Beauveria bassiana 6526 6527 6528 6529 6530 6531 6532
Sud-Ouest
Aschersonia andropogonis 7639
Aschersonia placenta 7616
Aschersonia sp. 7699
Regiocrella camerunensis 7682

Canada
Beauveria bassiana 9184
Furia gastropachae 2906
Harposporium helicoides 5354
Hirsutella sp. 2581
Lecanicillium muscarium 2923
Metarhizium anisopliae sensu lato 2135 2136 2137 2138 2139 8499
Metarhizium brunneum 1278
Metarhizium guizhouense 2140
Metarhizium robertsii 2134
Smittium culicis 9126
Alberta
Aspergillus flavus 3144
Beauveria bassiana 3462 6920 6921 6922 6923 6924 8213
Beauveria pseudobassiana 2997
Conidiobolus coronatus 7010 7011 7012 7013
Conidiobolus sp. 3402
Conidiobolus thromboides 2955
Culicinomyces clavisporus 964
Isaria farinosa 5368
Lecanicillium muscarium 3000
Metarhizium anisopliae sensu lato 8212
Tolypocladium nubicola 3434 3435
Tolypocladium cylindrosporum 962 963
Tolypocladium geodes 3271 3272 3273
Tolypocladium inflatum 3279 3280 3432
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Metarhizium anisopliae sensu lato 6570 7535 7536 7537 7538
Metarhizium flavoviride var. *pemphigum* 6569 7491
Pandora dipterigena 2406
Rotiferophthora denticulospora 5614
Tolypocladium cylindrosporum 2920 7539
Tolypocladium geodes 3275 3276
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Zoophthora anglica 1739
N.E. England
Drechmeria coniospora 5591
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Rotiferophthora angustispora 5610
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Beauveria bassiana 6100 6101 6177 6178

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Conidiobolus coronatus 4797
Zoophthora radicans 4781 4782 4783 4784 4785
Colonia
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Conidiobolus coronatus 205
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Pandora nouryi 366
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Septobasidium apiculatum 7096
Alaska
Beauveria bassiana 7955 7956 7957 7958 7959 7963 7964 7965 7966 7968
Beauveria sp. 7960
Isaria farinosa 7961 7962
Metarhizium anisopliae sensu lato 7967 8365
Sporothrix insectorum 7924
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Basidiobolus sp. 5336
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Entomophaga macleodii 496 618 619 620 621 624 628 629 765 767 768 769 773 774 777 778 779
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Lecanicillium muscarium 3464
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Metarhizium sp. 9636 9641 9643 9651 9652 9765 9766 9767 9965 10086 10107 10116 10119 10120 10121 10322
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Pandora delphacis 3484
Pandora heteropterae 9266
Pandora neoaphidis 3248 3249 3250 3251
Smittium sp. 9087
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Unidentified / Hyphomycetes 5237 5238 5239 5240 5241
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Drechslerella dactyloides 2934 3733 5433
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Conidiobolus obscurus 74
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Conidiobolus thromboides 15 29 115 208
Dactylella oxyspora 4801
Drechmeria coniospora 3346
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Entomophaga aulicae 4004 4005 4006 4007 4008
Entomophthora muscae 2172
Evlachovaea sp. 9164 9165 9166 9167 9168 9169 9170 9171 9172 9173 9174 9185 9186 9187 9188 9189 9190 9191 9192 9237
Fusarium sp. 3668 3669 3670 3671 3673 3674 3675 3678 10470
Haptocillium balanoides 3350
Harposporium lilliputanum 8425
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Hirsutella rhossiliensis 2788 2789 2790 2791 2792 2793 2794 2931 2932 2933 3747 3748 3750 3751 3752 3753 3754 3755 3756 3757 3758 3759 3761
Hirsutella sp. 2795 2796 2797 2798 2799 2801 2802 2803
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Isaria farinosa 1939 3658 3659 3661
Isaria fumosorosea 3660 3662 3663 4480 4481 4489
Lagenidium giganteum 1384 3327
Lecanicillium muscarium 3324
Lecanicillium sp. 9163
Metarhizium anisopliae 9354
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9155 9156 9157 9158 9159 9160 9161 9162 9439
Monacrosporium cionopagum 3349
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Metarhizium robertsii 1897
Myriodontium keratinophilum 368 386
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Purpureocillium lilacinum 9238 9239 9240 10128 10129 10130
Pandora neoaphidis 6902
Smittium culisetae 9095
Tolypocladium cylindrosporum 705 1580
Colorado
Beauveria amorpha 7542
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Beauveria bassiana 7540 7541
Evlachovaea sp. 7543
Lecanicillium sp. 7544
Metarhizium sp. 9686 9693 9757 9763 9764 9768 9769 9770 9771 9772 9773 9774 9775 9885 9886 9950 9951 9952 9953 9954 9955 9957 9958 9959 9960 9961 9962 9963 9964 9969 9970 9971 9972 9973 9974 9978 9979 9984 9987 9988 9989 9990 9991 9992 9993 9994 9995 9996 9997 10004 10028 10029 10030 10033 10034 10035 10036 10037 10038 10039 10040 10044 10045 10046 10047 10053 10055 10057 10062 10067 10069 10070 10071 10077 10080 10083 10084 10087 10088 10093 10094 10099 10100 10106 10111 10112 10113 10114 10115 10117 10118 10316 10319 10320
Purpureocillium lilacinum 7545 7546 7547 7548
Pandora neoaphidis 3081 3082
Smittium coloradense 9001 9002
Smittium culisetae 9012
Smittium fecundum 9022 9083
Smittium perforatum(?) 9055
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Connecticut
Beauveria bassiana 5767 6393
Beauveria bassiana(?) 5816 5817 5818
Entomophaga maimaiga 2775
Hirsutella sp. 3266
Isaria farinosa 5826 5827
Mariannaea sp. 3264 3265 3267 3268 3269 3270
Metarhizium anisopliae sensu lato 3713 3720 6388
Metarhizium brunneum 6392 7234 8415 8416 8417 8418 8419
Metarhiziopsis microspora 8676
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Ascosphaera apis 6362
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Aspergillus ochraceus(?) 7027
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Basidiobolus ranarum 5889 5890 5891 5892 5893 5894 5895 5896 5897 5898 5899 5900 5901 5902 5903 5904 5905 5906 5907 5908 5909 5910 5911 5912 5913 5914 5915 5916 5917 5918 5919 5920 5921 5922 5923 5924 5925 5926 5927 5928 5929 5930 5931 5932 5933 5934 5935 5936 5937 5938 5939 5940 5941 5942 5943 5944 5945 5946 5947 5948 5949 5950 5951
Basidiobolus sp. 2048 2049 2050 2051 2052
Beauveria bassiana 320 412 413 416 2236 2869 3086 5973 5974 5977 5978 5979 5980 5981 5985 5986 5988 5989 5991 7940
Beauveria bassiana(?) 5975 5976
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Isaria fumosorosea 2247 2658 3076 3083 3322 3682 4479 7347
Isaria javanica 322
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Purpureocillium lilacinum 410 9610
Paecilomyces sp. 6883 8316
Podonectria coccicola 3736
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Georgia
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Smittium culisetae 9014 9026 9047 9098 9099 9100 9101 9102 9103 9104 9105 9106
Sporothrix sp. 7038 7042
Idaho
Beauveria bassiana 2336 2860 2861 2864 2879 2880 2881 2882 2883
Conidiobolus coronatus 2812 2813 2814
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Fusarium sp. 2333 2337
Lecanicillium muscarium 2334 2858 2862 2877 2878
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Zoophthora radicans 1938 2549 2550 2551 2552 2716 2717 2718 2719 2720 3283 3284
Kansas
Beauveria bassiana 792 2430 6471
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Smittium commune 9085 9243 9244 9245
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Conidiobolus coronatus 2715
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Beauveria brongniartii 7058
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Fusarium polyphialidicum 3696
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Isaria farinosa 2131 2835 3492 3498 3507 3524 3526 3666
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Fusarium polyphialidicum 3694
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Mariannaea sp. 3261 3262 3263
Metarhizium anisopliae sensu lato 6389 9590
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Paecilomyces sp. 5179 5180
Penicillium sp. 3036
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Beauveria bassiana(?) 8801 8802 8803 8804 8805 8807 8808 8809 8810 8811 8812 8813 8814 8815 8816 8817 8818 8819
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Fusarium sp. 8131 8266 8267
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Metarhizium anisopliae sensu lato 8196 8197 8198 8199 8270 8653 8654 8655 8656 8657 8658 8659
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Unidentified / Hyphomycetes 8155 8179 8183 8184
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Minnesota
Beauveria pseudobassiana 8045 8046
Smittium culisetae 9096
Smittium simulii 9043 9118 9134
Mississippi
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Lecanicillium muscarium 10178
Lecanicillium psalliotae 10177
Lecanicillium sp. 9924 9925 9926 10206 10207 10302 10303 10304 10305 10306
Mariannaea sp. 3258 10185 10204 10205
Myriangium sp. 9915 9916 9917 9918 9919
Phoma sp. 9923
Rhinocladiella(?) sp. 9365 9922
Tolypocladium inflatum 3398
Tripospermum sp. 9363
Unidentified / Hyphomycetes 9364 9366 10307
New Jersey
Fusarium sp. 3030 3031 3032 10311 10312 10313 10388 10389 10390 10391
Scopulariopsis sp. 10309 10310
Unidentified / Hyphomycetes 10386 10387 10392
Verticillium lecanii 5795
New Mexico
Beauveria bassiana 8601
New York
Arthrobotrys oligospora var. *oligospora* 3369 3370
Drechslerella dactyloides 3371 3372 3373 4955
Arthrobotrys oligospora 4967 5411
Aspergillus sp. 6604
Basidiobolus haptosporus 8307 8309
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Batkoa apiculata 3136 3140
Batkoa major 2936 3102 3103
Batkoa sp. 3131 7370
Beauveria bassiana 350 534 535 536 1038 1039 1081 1619 1620 1621 1622 1623 1624 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1721 1722 1723 1749 1750 1775 1776 1777 1778 1779 1780 1781 2030 2031 2032 2033 2034 2953 3460 3667 4462 4463 4464 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 4540 4543 4688 4691 4692 4693 4694 4695 4696 4697 4973 4974 4975 4976 4977 4978 4979 5339 5340 5341 5342 5343 5344 5345 5347 5533 5534 5535 5536 5537 5808 6150 6151 6152 6153 6216 6217 6391 6578 6986 6987 6988 7158 7159 7179 8237 8238 8239 8240 8241 8242 8243 8244 8245 8246 8247 8412 8413
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Conidiobolus coronatus 3087 3099 3109 7922
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Elaphocordyceps ophioglossoides 4826 4827 4828 4829 4830 4831 4832 4833 4834 4835 4836 4837
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Drechmeria coniospora 3354
Entomophaga aulicae 3016 3039 3212 3602
Entomophaga conglomerata 2273
Entomophaga macleodii 382 499
Entomophaga maimaiga 3052 3053 3828 3829 3830 3831 3832 3833 3834 3835 4508 4509 4510 4549 4550 4551 5391 5392 5393 5394 5395 5396 5397 5398 5399 5400 5401 6625
Engyodontium album 6002
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Entomophthora muscae 454 556 557 651 803 826 2014 3074 7371
Erynia aquatica 750 764
Erynia conica 2274 2275
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Fusarium polyphialidicum 3692 3693 5351
Furia gastropachae 5541 5542 5543 5544 5547
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Fusarium oxysporum 4963 4964
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Gibellula sp. 8927
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Harposporium anguillulae 4954 5407 5408 5409
Harposporium botuliforme 10275
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Hymenostilbe verrucosa 2002
Isaria farinosa 648 697 2564 3017 3152 3461 3595 3596 3597 3598 3599 4090 5548 8411 10165

Isaria fumosorosea 4698 4699 4700 4701 4702 4703 4704 4705 4706 4707 4708 4709 4710 4711
Isaria sp. 10162
Isaria tenuipes 5134 5135
Lecanicillium longisporum 7923
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Lecanicillium psalliotae 4960 4965 10170 10179
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1451 (deaccessioned) *Beauveria bassiana* 1971
1452 (deaccessioned) *Metarhizium anisopliae* sensu lato 1989
1481 (lost) *Beauveria brongniartii* 1829
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3164 *Zoophthora radicans* 2713
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58382 *Catenaria anguillulae* 2015
58383 *Lagenidium caudatum* 2003
58384 *Leptolegnia* sp. 2004
58712 *Verticillium lecanii* 5221
58909 *Lecanicillium muscarium* 795
58909 *Verticillium lecanii* 3840
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DWR 1543 *Metarhizium* sp. 10042
DWR 1544 *Metarhizium* sp. 10043
DWR 1545 *Metarhizium* sp. 10044
DWR 1546 *Metarhizium* sp. 10045
DWR 1547 *Metarhizium* sp. 10046
DWR 1548 *Metarhizium* sp. 10047
DWR 1553 *Metarhizium* sp. 10048
DWR 1554 *Metarhizium* sp. 10049
DWR 1555 *Metarhizium* sp. 10050
DWR 1556 *Metarhizium* sp. 10051
DWR 1557 *Metarhizium* sp. 10052
DWR 158 *Metarhizium acridum* 6851
DWR 1580 *Metarhizium* sp. 10053
DWR 1581 *Metarhizium* sp. 10054
DWR 1582 *Metarhizium* sp. 10055
DWR 1583 *Metarhizium* sp. 10056
DWR 1584 *Metarhizium* sp. 10057
DWR 159 *Metarhizium acridum* 6852
DWR 1591 *Metarhizium* sp. 10058
DWR 1592 *Metarhizium* sp. 10059
DWR 160 *Metarhizium acridum* 6853
DWR 1601 *Metarhizium* sp. 10060
DWR 1602 *Metarhizium* sp. 10061
DWR 161 *Metarhizium acridum* 6854
DWR 1610 *Metarhizium* sp. 10062
DWR 1611 *Metarhizium* sp. 10063
DWR 1612 *Metarhizium* sp. 10064
DWR 1613 *Metarhizium* sp. 10065
DWR 1614 *Metarhizium* sp. 10066
DWR 1615 *Metarhizium* sp. 10067
DWR 162 *Metarhizium acridum* 6855
DWR 163 *Metarhizium acridum* 6856
DWR 164 *Metarhizium acridum* 6857
DWR 165 *Metarhizium acridum* 6858
DWR 1652 *Metarhizium* sp. 10068
DWR 1653 *Metarhizium* sp. 10069
DWR 1654 *Metarhizium* sp. 10070
DWR 1655 *Metarhizium* sp. 10071
DWR 1656 *Metarhizium* sp. 10072
DWR 1657 *Metarhizium* sp. 10073
DWR 1658 *Metarhizium* sp. 10074
DWR 1659 *Metarhizium* sp. 10075
DWR 166 *Metarhizium acridum* 6859
DWR 1660 *Metarhizium* sp. 10076
DWR 167 *Metarhizium anisopliae* sensu lato 6860
DWR 168 *Metarhizium anisopliae* sensu lato 6861
DWR 1683 *Metarhizium* sp. 10077
DWR 1684 *Metarhizium* sp. 10078
DWR 1685 *Metarhizium* sp. 10079
DWR 1686 *Metarhizium* sp. 10080
DWR 1687 *Metarhizium* sp. 10081
DWR 1688 *Metarhizium* sp. 10082
DWR 1689 *Metarhizium* sp. 10083
DWR 1690 *Metarhizium* sp. 10084
DWR 1699 *Metarhizium* sp. 10085
DWR 1700 *Metarhizium* sp. 10086
DWR 1701 *Metarhizium* sp. 10087
DWR 1702 *Metarhizium* sp. 10088
DWR 1703 *Metarhizium* sp. 10089
DWR 1704 *Metarhizium* sp. 10090
DWR 1705 *Metarhizium* sp. 10091
DWR 1706 *Metarhizium* sp. 10092
DWR 1707 *Metarhizium* sp. 10093
DWR 1708 *Metarhizium* sp. 10094
DWR 1709 *Metarhizium* sp. 10095
DWR 171 *Metarhizium anisopliae* sensu lato 6863
DWR 1710 *Metarhizium* sp. 10096
DWR 1714 *Metarhizium* sp. 10097
DWR 1715 *Metarhizium* sp. 10098
DWR 1716 *Metarhizium* sp. 10099
DWR 1717 *Metarhizium* sp. 10100
DWR 1718 *Metarhizium* sp. 10101
DWR 1719 *Metarhizium* sp. 10102
DWR 172 *Metarhizium robertsii* 6864
DWR 1720 *Metarhizium* sp. 10103
DWR 1721 *Metarhizium* sp. 10104
DWR 1722 *Metarhizium* sp. 10105
DWR 1723 *Metarhizium* sp. 10106
DWR 173 *Metarhizium robertsii* 6865
DWR 1740 *Metarhizium* sp. 10107
DWR 1741 *Metarhizium* sp. 10108
DWR 1742 *Metarhizium* sp. 10109
DWR 1743 *Metarhizium* sp. 10110
DWR 1744 *Metarhizium* sp. 10111
DWR 176 *Metarhizium anisopliae* sensu lato 6996
DWR 1763 *Metarhizium* sp. 10112
DWR 1764 *Metarhizium* sp. 10113
DWR 1765 *Metarhizium* sp. 10114
DWR 1766 *Metarhizium* sp. 10115
DWR 1767 *Metarhizium* sp. 10116
DWR 1771 *Metarhizium* sp. 10117
DWR 179 *Metarhizium anisopliae* sensu lato 6997
DWR 180 *Metarhizium anisopliae* sensu lato 6998
DWR 1808 *Metarhizium* sp. 10118
DWR 1809 *Metarhizium* sp. 10119
DWR 181 *Metarhizium anisopliae* sensu lato 6999
DWR 1810 *Metarhizium* sp. 10120
DWR 1811 *Metarhizium* sp. 10121
DWR 1812 *Metarhizium* sp. 10122
DWR 1813 *Metarhizium* sp. 10123
DWR 1814 *Metarhizium* sp. 10124
DWR 1815 *Metarhizium* sp. 10125
DWR 1844 *Metarhizium* sp. 10126
DWR 1845 *Metarhizium* sp. 10314
DWR 1855 *Metarhizium* sp. 10315
DWR 1856 *Metarhizium* sp. 10316
DWR 1857 *Metarhizium* sp. 10317
DWR 1858 *Metarhizium* sp. 10318
DWR 1859 *Metarhizium* sp. 10319
DWR 1860 *Metarhizium* sp. 10320
DWR 1908 *Metarhizium* sp. 10321
DWR 1909 *Metarhizium* sp. 10322
DWR 1938 *Metarhizium* sp. 10323
DWR 1942 *Metarhizium* sp. 10324
DWR 1949 *Metarhizium* sp. 10325
DWR 1950 *Metarhizium* sp. 10326
DWR 1951 *Metarhizium* sp. 10327
DWR 1954 *Metarhizium* sp. 10328
DWR 1955 *Metarhizium* sp. 10329
DWR 1956 *Metarhizium* sp. 10330
DWR 1957 *Metarhizium* sp. 10331
DWR 1958 *Metarhizium* sp. 10332
DWR 1971 *Metarhizium* sp. 10333
DWR 1996 *Metarhizium* sp. 10334
DWR 1997 *Metarhizium robertsii* 10000
DWR 1998 *Metarhizium* sp. 10335
DWR 1999 *Metarhizium* sp. 10336
DWR 200 *Metarhizium anisopliae* sensu lato 7847
DWR 200 *Metarhizium anisopliae* sensu lato 8363
DWR 2003 *Metarhizium* sp. 10337
DWR 2004 *Metarhizium* sp. 10338
DWR 2005 *Metarhizium* sp. 10339
DWR 2006 *Metarhizium* sp. 10340
DWR 2007 *Metarhizium* sp. 10341
DWR 2008 *Metarhizium* sp. 10342
DWR 2009 *Metarhizium* sp. 10343
DWR 2010 *Metarhizium* sp. 10344
DWR 2011 *Metarhizium* sp. 10345

DWR 2025 *Metarhizium* sp. 10346
DWR 203 *Metarhizium anisopliae* sensu lato 8364
DWR 217 *Metarhizium anisopliae* sensu lato 8362
DWR 261 *Metarhizium anisopliae* sensu lato 8365
DWR 312 *Metarhizium anisopliae* sensu lato 8366
DWR 313 *Metarhizium anisopliae* sensu lato 8357
DWR 338 *Metarhizium anisopliae* sensu lato 8358
DWR 346 *Metarhizium anisopliae* sensu lato 8367
DWR 356 *Metarhizium* sp. 9617
DWR 357 *Metarhizium* sp. 9618
DWR 358 *Metarhizium* sp. 9619
DWR 364 *Metarhizium* sp. 9620
DWR 365 *Metarhizium* sp. 9621
DWR 366 *Metarhizium* sp. 9622
DWR 367 *Metarhizium* sp. 9623
DWR 368 *Metarhizium* sp. 9624
DWR 369 *Metarhizium* sp. 9625
DWR 379 *Metarhizium* sp. 9626
DWR 380 *Metarhizium* sp. 9627
DWR 381 *Metarhizium* sp. 9628
DWR 382 *Metarhizium* sp. 9629
DWR 383 *Metarhizium* sp. 9630
DWR 384 *Metarhizium* sp. 9631
DWR 385 *Metarhizium* sp. 9632
DWR 386 *Metarhizium* sp. 9633
DWR 387 *Metarhizium* sp. 9634
DWR 388 *Metarhizium* sp. 9635
DWR 389 *Metarhizium* sp. 9636
DWR 390 *Metarhizium* sp. 9637
DWR 391 *Metarhizium* sp. 9638
DWR 392 *Metarhizium* sp. 9639
DWR 393 *Metarhizium* sp. 9640
DWR 45 *Metarhizium anisopliae* sensu lato 6829
DWR 456 *Metarhizium* sp. 9641
DWR 457 *Metarhizium* sp. 9642
DWR 459 *Metarhizium* sp. 9643
DWR 46 *Metarhizium anisopliae* sensu lato 6830
DWR 460 *Metarhizium* sp. 9644
DWR 461 *Metarhizium* sp. 9645
DWR 462 *Metarhizium* sp. 9646
DWR 463 *Metarhizium* sp. 9647
DWR 464 *Metarhizium* sp. 9648
DWR 465 *Metarhizium* sp. 9649
DWR 47 *Metarhizium anisopliae* sensu lato 6831
DWR 471 *Metarhizium* sp. 9650
DWR 472 *Metarhizium* sp. 9651
DWR 473 *Metarhizium* sp. 9652
DWR 478 *Metarhizium* sp. 9653
DWR 479 *Metarhizium* sp. 9654
DWR 48 *Metarhizium anisopliae* sensu lato 6832
DWR 480 *Metarhizium* sp. 9655
DWR 484 *Metarhizium* sp. 9656
DWR 485 *Metarhizium* sp. 9657
DWR 49 *Metarhizium anisopliae* sensu lato 6833
DWR 497 *Metarhizium* sp. 9658
DWR 498 *Metarhizium* sp. 9659
DWR 499 *Metarhizium* sp. 9660
DWR 50 *Metarhizium anisopliae* sensu lato 6834
DWR 500 *Metarhizium* sp. 9661
DWR 501 *Metarhizium* sp. 9662
DWR 502 *Metarhizium* sp. 9663
DWR 503 *Metarhizium* sp. 9664
DWR 504 *Metarhizium* sp. 9665
DWR 505 *Metarhizium* sp. 9666
DWR 507 *Metarhizium* sp. 9667
DWR 508 *Metarhizium* sp. 9668
DWR 509 *Metarhizium* sp. 9669
DWR 51 *Metarhizium anisopliae* sensu lato 6835
DWR 510 *Metarhizium* sp. 9670
DWR 512 *Metarhizium* sp. 9671
DWR 513 *Metarhizium* sp. 9672
DWR 514 *Metarhizium* sp. 9673
DWR 515 *Metarhizium* sp. 9674
DWR 516 *Metarhizium* sp. 9675
DWR 517 *Metarhizium* sp. 9676
DWR 518 *Metarhizium* sp. 9677
DWR 519 *Metarhizium* sp. 9678
DWR 52 *Metarhizium anisopliae* sensu lato 6836
DWR 520 *Metarhizium* sp. 9679
DWR 521 *Metarhizium* sp. 9680
DWR 522 *Metarhizium* sp. 9681
DWR 523 *Metarhizium* sp. 9682
DWR 524 *Metarhizium* sp. 9683
DWR 525 *Metarhizium* sp. 9684
DWR 526 *Metarhizium* sp. 9685
DWR 529 *Metarhizium* sp. 9686
DWR 53 *Metarhizium anisopliae* sensu lato 6837
DWR 534 *Metarhizium* sp. 9687
DWR 535 *Metarhizium* sp. 9688
DWR 54 *Metarhizium anisopliae* sensu lato 6838
DWR 541 *Metarhizium* sp. 9689
DWR 542 *Metarhizium* sp. 9690
DWR 543 *Metarhizium* sp. 9691
DWR 544 *Metarhizium* sp. 9692
DWR 545 *Metarhizium* sp. 9693
DWR 546 *Metarhizium* sp. 9694
DWR 547 *Metarhizium* sp. 9695
DWR 55 *Metarhizium anisopliae* sensu lato 6839
DWR 550 *Metarhizium* sp. 9696
DWR 572 *Metarhizium* sp. 9697
DWR 573 *Metarhizium* sp. 9698
DWR 574 *Metarhizium* sp. 9699
DWR 575 *Metarhizium* sp. 9700
DWR 576 *Metarhizium* sp. 9701
DWR 577 *Metarhizium* sp. 9702
DWR 578 *Metarhizium* sp. 9703
DWR 579 *Metarhizium* sp. 9704
DWR 58 *Metarhizium anisopliae* sensu lato 6840
DWR 580 *Metarhizium* sp. 9705
DWR 581 *Metarhizium* sp. 9706
DWR 582 *Metarhizium* sp. 9707
DWR 587 *Metarhizium* sp. 9708
DWR 588 *Metarhizium* sp. 9709
DWR 589 *Metarhizium* sp. 9710
DWR 59 *Metarhizium robertsii* 6841
DWR 590 *Metarhizium* sp. 9711
DWR 591 *Metarhizium* sp. 9712
DWR 592 *Metarhizium* sp. 9713
DWR 593 *Metarhizium* sp. 9714
DWR 594 *Metarhizium* sp. 9715
DWR 595 *Metarhizium* sp. 9716
DWR 596 *Metarhizium* sp. 9717
DWR 597 *Metarhizium* sp. 9718
DWR 598 *Metarhizium* sp. 9719
DWR 599A *Metarhizium* sp. 9720
DWR 599B *Metarhizium* sp. 9721
DWR 60 *Metarhizium robertsii* 6842
DWR 600A *Metarhizium* sp. 9722
DWR 600B *Metarhizium* sp. 9723
DWR 601 *Metarhizium* sp. 9724
DWR 602 *Metarhizium* sp. 9725
DWR 603 *Metarhizium* sp. 9726
DWR 604 *Metarhizium* sp. 9727
DWR 605 *Metarhizium* sp. 9728
DWR 61 *Metarhizium robertsii* 6843
DWR 619 *Metarhizium* sp. 9729
DWR 62 *Metarhizium robertsii* 6755
DWR 62 *Metarhizium robertsii* 6844
DWR 620 *Metarhizium* sp. 9730
DWR 621 *Metarhizium* sp. 9731
DWR 63 *Metarhizium robertsii* 6845
DWR 632 *Metarhizium* sp. 9732
DWR 633 *Metarhizium* sp. 9733
DWR 634 *Metarhizium* sp. 9734
DWR 635 *Metarhizium* sp. 9735
DWR 636 *Metarhizium* sp. 9736
DWR 637 *Metarhizium* sp. 9737
DWR 638 *Metarhizium* sp. 9738
DWR 639 *Metarhizium* sp. 9739
DWR 64 *Metarhizium robertsii* 6846
DWR 640 *Metarhizium* sp. 9740
DWR 641 *Metarhizium* sp. 9741
DWR 642 *Metarhizium* sp. 9742
DWR 643 *Metarhizium* sp. 9743
DWR 65 *Metarhizium robertsii* 6847
DWR 655 *Metarhizium* sp. 9744
DWR 656 *Metarhizium* sp. 9745
DWR 657 *Metarhizium* sp. 9746
DWR 658 *Metarhizium* sp. 9747
DWR 659 *Metarhizium* sp. 9748
DWR 66 *Metarhizium robertsii* 6848
DWR 660 *Metarhizium* sp. 9749
DWR 669 *Metarhizium* sp. 9750
DWR 67 *Metarhizium anisopliae* sensu lato 6849
DWR 670 *Metarhizium* sp. 9751
DWR 692 *Metarhizium* sp. 9752
DWR 693 *Metarhizium* sp. 9753
DWR 694 *Metarhizium* sp. 9754
DWR 695 *Metarhizium* sp. 9755
DWR 696 *Metarhizium* sp. 9756
DWR 697 *Metarhizium* sp. 9757
DWR 71 *Metarhizium anisopliae* sensu lato 6850
DWR 712 *Metarhizium* sp. 9758
DWR 713 *Metarhizium* sp. 9759
DWR 714 *Metarhizium* sp. 9760
DWR 715 *Metarhizium* sp. 9761
DWR 716 *Metarhizium* sp. 9762

DWR 741 *Metarhizium* sp. 9763
DWR 742 *Metarhizium* sp. 9764
DWR 758 *Metarhizium* sp. 9765
DWR 759 *Metarhizium* sp. 9766
DWR 760 *Metarhizium* sp. 9767
DWR 761 *Metarhizium* sp. 9768
DWR 762 *Metarhizium* sp. 9769
DWR 763 *Metarhizium* sp. 9770
DWR 764 *Metarhizium* sp. 9771
DWR 765 *Metarhizium* sp. 9772
DWR 766 *Metarhizium* sp. 9773
DWR 767 *Metarhizium* sp. 9774
DWR 768 *Metarhizium* sp. 9775
DWR 793 *Metarhizium* sp. 9776
DWR 794 *Metarhizium* sp. 9777
DWR 795 *Metarhizium* sp. 9778
DWR 796 *Metarhizium* sp. 9779
DWR 797 *Metarhizium* sp. 9780
DWR 798 *Metarhizium* sp. 9781
DWR 799 *Metarhizium* sp. 9782
DWR 800 *Metarhizium* sp. 9783
DWR 801 *Metarhizium* sp. 9784
DWR 802 *Metarhizium* sp. 9785
DWR 803 *Metarhizium* sp. 9786
DWR 804 *Metarhizium* sp. 9787
DWR 805 *Metarhizium* sp. 9788
DWR 806 *Metarhizium* sp. 9789
DWR 807 *Metarhizium* sp. 9790
DWR 818 *Metarhizium* sp. 9791
DWR 819 *Metarhizium* sp. 9792
DWR 820 *Metarhizium* sp. 9793
DWR 821 *Metarhizium* sp. 9794
DWR 822 *Metarhizium* sp. 9795
DWR 823 *Metarhizium* sp. 9796
DWR 824 *Metarhizium* sp. 9797
DWR 825 *Metarhizium* sp. 9798
DWR 826 *Metarhizium* sp. 9799
DWR 827 *Metarhizium* sp. 9800
DWR 828 *Metarhizium* sp. 9801
DWR 829 *Metarhizium* sp. 9802
DWR 830 *Metarhizium* sp. 9803
DWR 831 *Metarhizium* sp. 9804
DWR 832 *Metarhizium* sp. 9805
DWR 833 *Metarhizium* sp. 9806
DWR 834 *Metarhizium* sp. 9807
DWR 835 *Metarhizium* sp. 9808
DWR 836 *Metarhizium* sp. 9809
DWR 837 *Metarhizium* sp. 9810
DWR 838 *Metarhizium* sp. 9811
DWR 839 *Metarhizium* sp. 9812
DWR 840 *Metarhizium* sp. 9813
DWR 841 *Metarhizium* sp. 9814
DWR 842 *Metarhizium* sp. 9815
DWR 843 *Metarhizium* sp. 9816
DWR 844 *Metarhizium* sp. 9817
DWR 845 *Metarhizium* sp. 9818
DWR 846 *Metarhizium* sp. 9819
DWR 847 *Metarhizium* sp. 9820
DWR 848 *Metarhizium* sp. 9821
DWR 849 *Metarhizium* sp. 9822
DWR 850 *Metarhizium* sp. 9823
DWR 851 *Metarhizium* sp. 9824
DWR 852 *Metarhizium* sp. 9825
DWR 853 *Metarhizium* sp. 9826
DWR 86 *Metarhizium anisopliae* sensu lato 6756
DWR 866 *Metarhizium* sp. 9827
DWR 867 *Metarhizium* sp. 9828
DWR 868 *Metarhizium* sp. 9829
DWR 869 *Metarhizium* sp. 9830
DWR 870 *Metarhizium* sp. 9831
DWR 871 *Metarhizium* sp. 9832
DWR 872 *Metarhizium* sp. 9833
DWR 873 *Metarhizium* sp. 9834
DWR 88 *Metarhizium anisopliae* sensu lato 6757
DWR 880 *Metarhizium* sp. 9835
DWR 881 *Metarhizium* sp. 9836
DWR 882 *Metarhizium* sp. 9837
DWR 90 *Metarhizium anisopliae* sensu lato 6758
DWR 900 *Metarhizium* sp. 9838
DWR 91 *Metarhizium anisopliae* sensu lato 6759
DWR 911 *Metarhizium* sp. 9839
DWR 912 *Metarhizium* sp. 9840
DWR 913 *Metarhizium* sp. 9841
DWR 914 *Metarhizium* sp. 9842
DWR 915 *Metarhizium* sp. 9843
DWR 916 *Metarhizium* sp. 9844
DWR 917 *Metarhizium* sp. 9845
DWR 918 *Metarhizium* sp. 9846
DWR 919 *Metarhizium* sp. 9847
DWR 92 *Metarhizium anisopliae* sensu lato 6760
DWR 920 *Metarhizium* sp. 9848
DWR 940 *Metarhizium* sp. 9849
DWR 941 *Metarhizium* sp. 9850
DWR 942 *Metarhizium* sp. 9851
E *Conidiobolus coronatus* 421
F *Conidiobolus coronatus* 422
F985 *Metarhizium anisopliae* var. *acridum* 8359
H *Metarhizium flavoviride* var. *minus* 1293
H.citrif *Hirsutella citriformis* 1837
I *Metarhizium flavoviride* var. *minus* 1277
I FAR *Beauveria bassiana* 308
IV *Metarhizium flavoviride* var. *minus* 1276
IX *Metarhizium flavoviride* var. *minus* 1279
Ma Teetor S-SS#5 *Metarhizium anisopliae* sensu lato 967
Ma Teetor S2 SS#1 *Metarhizium anisopliae* sensu lato 875
Ma Teetor S2 SS#10 *Metarhizium anisopliae* sensu lato 898
Ma Teetor S2 SS#11 *Metarhizium anisopliae* sensu lato 897
Ma Teetor S2 SS#12 *Metarhizium anisopliae* sensu lato 896
Ma Teetor S2 SS#13 *Metarhizium anisopliae* sensu lato 895
Ma Teetor S2 SS#14 *Metarhizium anisopliae* sensu lato 894
Ma Teetor S2 SS#15 *Metarhizium anisopliae* sensu lato 870
Ma Teetor S2 SS#16 *Metarhizium anisopliae* sensu lato 868
Ma Teetor S2 SS#17 *Metarhizium anisopliae* sensu lato 869
Ma Teetor S2 SS#18 *Metarhizium anisopliae* sensu lato 867
Ma Teetor S2 SS#19 *Metarhizium anisopliae* sensu lato 864
Ma Teetor S2 SS#2 *Metarhizium anisopliae* sensu lato 874
Ma Teetor S2 SS#20 *Metarhizium anisopliae* sensu lato 865
Ma Teetor S2 SS#21 *Metarhizium anisopliae* sensu lato 871
Ma Teetor S2 SS#22 *Metarhizium anisopliae* sensu lato 866
Ma Teetor S2 SS#3 *Metarhizium anisopliae* sensu lato 893
Ma Teetor S2 SS#4 *Metarhizium anisopliae* sensu lato 873
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 872
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 907
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 908
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 909
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 910
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 911
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 912
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 913
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 921
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 922
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 960
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 965
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 966
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 968
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 1022
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 1023
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 1024
Ma Teetor S2 SS#5 *Metarhizium anisopliae* sensu lato 1025
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HY74 *Metarhizium anisopliae* sensu lato 4331
HY75 *Metarhizium anisopliae* sensu lato 4323
HY76 *Metarhizium anisopliae* sensu lato 4348
HY77 *Metarhizium anisopliae* sensu lato 4330
HY78 *Metarhizium anisopliae* sensu lato 4324
HY79 *Metarhizium frigidum* 4294
HY8 *Metarhizium anisopliae* sensu lato 4747
HY81 *Metarhizium anisopliae* sensu lato 4325
HY82 *Metarhizium guizhouense* 4303
HY83 *Metarhizium anisopliae* sensu lato 4736
HY84 *Beauveria bassiana* 4300
HY85 *Metarhizium anisopliae* sensu lato 4288
HY86 *Metarhizium anisopliae* sensu lato 4306
HY87 *Metarhizium anisopliae* sensu lato 4328
HY88 *Metarhizium anisopliae* sensu lato 4639
HY89 *Metarhizium anisopliae* sensu lato 4609
HY9 *Metarhizium anisopliae* sensu lato 4746
HY90 *Metarhizium anisopliae* sensu lato 4647
HY91 *Metarhizium anisopliae* sensu lato 4633
HY92 *Metarhizium anisopliae* sensu lato 4735
HY93 *Metarhizium anisopliae* sensu lato 4734
HY94 *Metarhizium anisopliae* sensu lato 4657
HY95 *Metarhizium anisopliae* sensu lato 4593
HY95 *Metarhizium anisopliae* sensu lato 4637
HY96 *Metarhizium anisopliae* sensu lato 4650
HY97 *Metarhizium anisopliae* sensu lato 4565
HY97 *Metarhizium anisopliae* sensu lato 4733
HY99 *Metarhizium anisopliae* sensu lato 4732

Yoder Bros. Inc
F2-28 *Isaria farinosa* 2954
F2-4 BR *Isaria fumosorosea* 3322

Zhioua, Elyes
1S DCE *Verticillium* sp. 5713
1S PCW *Verticillium lecanii* 5710
AB *Penicillium* sp. 5733
T73 *Beauveria bassiana(?)* 6892
T81 *Isaria fumosorosea* 6893
T82 *Beauveria bassiana* 6894
Tick #1 Unidentified sp. 6895
Tick #2 *Gliocladium(?)* sp. 6896
Tick #3 *Beauveria bassiana* 6897
Tick #4 *Aspergillus* sp. 6898
Tick #4 Unidentified sp. 6899

Zimmermann, Gisbert
2 *Pandora blunckii* 217
E 1622/01 *Evlachovaea* sp. 7403

Zou, Xiao
1 *Nomuraea atypicola* 9594
10 *Hirsutella liboensis* 9603
2 *Beauveria bassiana* 9595
3 *Beauveria* sp. 9596
5 *Beauveria bassiana* 9598
6 *Beauveria brongniartii* 9599
7 *Beauveria bassiana* 9600
8 *Isaria cateniannulata* 9601
9 *Isaria fumosorosea* 9602

1 Beauveria bassiana
2 Conidiobolus thromboides
3 Isaria farinosa
5 Conidiobolus thromboides
13 Zoophthora radicans
15 Conidiobolus thromboides
20 Isaria farinosa
21 Zoophthora radicans
22 Conidiobolus thromboides
23 Metarhizium robertsii
29 Conidiobolus thromboides
30 Hirsutella gigantea
32 Beauveria sp.
38 Isaria farinosa
39 Conidiobolus thromboides
40 Conidiobolus thromboides
41 Conidiobolus thromboides
42 Conidiobolus thromboides
44 Zoophthora radicans
45 Zoophthora radicans
50 Zoophthora radicans
51 Entomophaga aulicae
52 Zoophthora radicans
55 Isaria farinosa
57 Conidiobolus thromboides
58 Conidiobolus thromboides
59 Conidiobolus thromboides
63 Conidiobolus thromboides
64 Conidiobolus thromboides
67 Batkoa apiculata
68 Zoophthora radicans
70 Conidiobolus thromboides
72 Zoophthora radicans
73 Conidiobolus thromboides
74 Conidiobolus obscurus
75 Zoophthora radicans
78 Pandora neoaphidis
79 Conidiobolus osmodes
80 Conidiobolus sp.
81 Conidiobolus sp.
83 Conidiobolus thromboides
84 Conidiobolus thromboides
85 Conidiobolus thromboides
86 Conidiobolus thromboides
87 Conidiobolus thromboides
88 Zoophthora radicans
92 Conidiobolus sp.
93 Conidiobolus sp.
94 Conidiobolus sp.
97 Conidiobolus obscurus
99 Conidiobolus thromboides
100 Conidiobolus thromboides
101 Conidiobolus thromboides
102 Conidiobolus thromboides
103 Zoophthora radicans
104 Zoophthora radicans
105 Zoophthora radicans
106 Zoophthora radicans
107 Zoophthora radicans
108 Zoophthora radicans
109 Zoophthora radicans
110 Zoophthora radicans
111 Zoophthora radicans
112 Zoophthora radicans
113 Zoophthora phytonomi
114 Zoophthora radicans
115 Conidiobolus thromboides
120 Conidiobolus thromboides
121 Conidiobolus obscurus
122 Conidiobolus obscurus
124 Conidiobolus obscurus
126 Zoophthora radicans
128 Pandora neoaphidis
129 Batkoa apiculata
131 Pandora dipterigena
133 Conidiobolus obscurus
134 Pandora delphacis
135 Nomuraea rileyi
137 Hirsutella thompsonii
138
139 Zoophthora radicans
141 Zoophthora radicans
142 Zoophthora radicans
143 Zoophthora radicans
144 Zoophthora radicans
145 Zoophthora radicans
146 Zoophthora radicans
147 Conidiobolus sp.
148 Conidiobolus sp.
149 Beauveria bassiana
150 Beauveria bassiana
151 Beauveria bassiana
152 Beauveria bassiana
153 Beauveria bassiana
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155 Beauveria bassiana
156 Beauveria bassiana
157 Beauveria bassiana
158 Beauveria bassiana
159 Beauveria bassiana
160 Beauveria bassiana
161 Zoophthora radicans
162 Zoophthora radicans
163 Zoophthora radicans
164 Entomophaga aulicae
165 Entomophaga aulicae
166 Entomophaga aulicae
167 Entomophaga aulicae
168 Entomophaga aulicae
172 Entomophaga aulicae
174 Batkoa apiculata
177 Hirsutella longicolla var. cornuta
178 Hirsutella longicolla var. cornuta
179 Saprolegnia sp.
180 Saprolegnia sp.
181 Pandora neoaphidis
182 Conidiobolus obscurus
183 Zoophthora radicans
184 Zoophthora radicans
185 Zoophthora radicans
186 Zoophthora radicans
187 Zoophthora radicans
188 Zoophthora radicans
189 Zoophthora radicans
191 Zoophthora phytonomi
192 Zoophthora phytonomi
193 Conidiobolus osmodes
194 Conidiobolus thromboides
198 Entomophaga aulicae
199 Pandora nouryi
201 Beauveria bassiana
202 Zoophthora phytonomi
203 Schizangiella serpentis
204 Lecanicillium muscarium
205 Conidiobolus coronatus
206 Conidiobolus coronatus
207 Zoophthora occidentalis
208 Conidiobolus thromboides
211 Conidiobolus sp.
214 Batkoa gigantea
215 Batkoa gigantea
217 Pandora blunckii
218 Coelomycidium simulii
219 Erynia rhizospora
220 Beauveria bassiana
221 Zoophthora radicans
223 Zoophthora radicans
224 Zoophthora radicans
225 Zoophthora radicans
226 Zoophthora radicans
227 Zoophthora radicans
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237 Zoophthora radicans
238 Zoophthora radicans
239 Zoophthora radicans
241 Hirsutella thompsonii
242 Conidiobolus thromboides
243 Conidiobolus obscurus
244 Conidiobolus thromboides
245 Conidiobolus thromboides
246 Conidiobolus thromboides
247 Conidiobolus thromboides
248 Conidiobolus thromboides
249 Conidiobolus thromboides
250 Conidiobolus thromboides
251 Entomophaga aulicae
252 Beauveria bassiana
253 Hirsutella thompsonii
254 Hirsutella thompsonii var. vinacea
255 Hirsutella thompsonii
256 Hirsutella thompsonii
257 Hirsutella thompsonii
258 Hirsutella thompsonii
259 Hirsutella thompsonii
260 Basidiobolus ranarum
261 Basidiobolus haptosporus
262 Basidiobolus haptosporus
263 Basidiobolus haptosporus
264 Basidiobolus haptosporus
265 Basidiobolus microsporus
267 Basidiobolus microsporus
268 Basidiobolus microsporus
269 Basidiobolus microsporus
270 Basidiobolus sp.
271 Basidiobolus sp.
272 Basidiobolus haptosporus
273 Basidiobolus sp.
274 Conidiobolus coronatus
275 Beauveria bassiana
276 Beauveria bassiana
277 Beauveria bassiana
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292 Beauveria bassiana
293 Beauveria bassiana
294 Isaria farinosa
295 Beauveria bassiana
296 Beauveria bassiana
297 Metarhizium anisopliae var. majus
298 Metarhizium anisopliae var. majus
299 Beauveria bassiana
300 Beauveria bassiana
301 Beauveria bassiana
302 Beauveria bassiana
303 Beauveria bassiana
304 Beauveria bassiana
305 Beauveria bassiana
306 Beauveria bassiana
307 Beauveria bassiana
308 Beauveria bassiana
309 Paecilomyces sp.
310 Lecanicillium muscarium
311 Lecanicillium muscarium
312 Lecanicillium muscarium
313 Lecanicillium muscarium
314 Lecanicillium muscarium
317 Beauveria bassiana
318 Beauveria bassiana
319 Beauveria bassiana
320 Beauveria bassiana
321 Lecanicillium longisporum
322 Isaria javanica
323 Nomuraea rileyi
324 Metarhizium acridum
325 Beauveria bassiana
326 Beauveria bassiana
328 Entomophaga australiensis
331 Entomophaga australiensis
333 Beauveria bassiana
334 Beauveria bassiana
335 Beauveria bassiana
336 Beauveria bassiana
337 Beauveria bassiana
338 Beauveria bassiana
340 Beauveria bassiana
341 Aschersonia aleyrodis
342 Aschersonia aleyrodis
343 Aschersonia goldiana
344 Beauveria bassiana
346 Metarhizium brunneum
349 Conidiobolus coronatus
350 Beauveria bassiana
352 Zoophthora phalloides
353 Beauveria bassiana
354 Conidiobolus obscurus
355 Conidiobolus obscurus
356 Beauveria bassiana
357 Beauveria bassiana
358 Nomuraea rileyi
359 Zoophthora radicans
362 Pandora nouryi
363 Conidiobolus thromboides
365 Entomophaga australiensis
366 Pandora nouryi
368 Myriodontium keratinophilum
369 Pandora kondoiensis
370 Zoophthora radicans
372 Culicinomyces clavisporus
373 Lagenidium giganteum
374 Massospora cicadina
375 Entomophaga macleodii
376 Entomophaga macleodii
377 Sorosporella sp.
379 Zoophthora radicans
380 Nomuraea rileyi
381 Pandora neoaphidis
382 Entomophaga macleodii
383 Entomophaga calopteni
384 Beauveria bassiana
385 Paecilomyces sp.
386 Myriodontium keratinophilum
387 Entomophthora culicis
388 Zoophthora radicans
389 Zoophthora radicans
390 Entomophaga calopteni
391 Conidiobolus sp.
392 Entomophthora muscae
393 Entomophaga sp.
394 Furia virescens
395 Batkoa apiculata
396 Zoophthora anglica
397 Pandora dipterigena
399 Erynia ovispora
400 Erynia ovispora
403 Batkoa gigantea
404 Zoophthora radicans
405 Conidiobolus coronatus
406 Conidiobolus coronatus
407 Zoophthora radicans
408 Entomophaga calopteni
410 Purpureocillium lilacinum
412 Beauveria bassiana
413 Beauveria bassiana
414 Hirsutella thompsonii
416 Beauveria bassiana
418 Conidiobolus coronatus
419 Conidiobolus coronatus
421 Conidiobolus coronatus
422 Conidiobolus coronatus
425 Zoophthora aphidis
426 Zoophthora lanceolata
427 Furia virescens
429 Paecilomyces reniformis
430 Aschersonia aleyrodis
432 Aschersonia aleyrodis
433 Beauveria bassiana
434 Conidiobolus obscurus
435 Metarhizium anisopliae sensu lato
436 Metarhizium pingshaense
437 Metarhizium pingshaense
438 Metarhizium anisopliae sensu lato
439 Metarhizium pingshaense
440 Metarhizium anisopliae sensu lato
441 Metarhizium anisopliae sensu lato
442 Metarhizium anisopliae sensu lato
443 Metarhizium pingshaense
444 Metarhizium pingshaense
445 Metarhizium anisopliae sensu lato
446 Metarhizium pingshaense
447 Conidiobolus osmodes
448 Conidiobolus rhysosporus
449 Conidiobolus bangalorensis
450 Conidiobolus paulus
451 Conidiobolus adiaeretus
452 Conidiobolus brefeldianus
453 Conidiobolus pumilus
454 Entomophthora muscae
455 Metarhizium brunneum
456 Metarhizium anisopliae sensu lato
457 Metarhizium anisopliae sensu lato
458 Pandora delphacis
459 Pandora delphacis
460 Pandora delphacis
461 Pandora delphacis
468 Zoophthora lanceolata
469 Zoophthora lanceolata
470 Furia virescens
471 Conidiobolus coronatus
472 Metarhizium brunneum
473 Metarhizium majus
474 Beauveria bassiana
475 Isaria farinosa
476 Isaria farinosa
477 Beauveria bassiana
478 Pandora delphacis
481 Nomuraea rileyi
482 Nomuraea rileyi
483 Nomuraea rileyi
484 Paecilomyces reniformis
485 Metarhizium anisopliae sensu lato
486 Metarhizium anisopliae sensu lato
487 Metarhizium anisopliae sensu lato
488 Metarhizium anisopliae sensu lato
489 Metarhizium anisopliae sensu lato
490 Hirsutella citriformis
491 Zoophthora radicans
496 Entomophaga macleodii
497 Entomophaga calopteni
498 Entomophaga calopteni
499 Entomophaga macleodii
500 Entomophaga calopteni
501 Beauveria bassiana
502 Beauveria bassiana
503 Beauveria bassiana
504 Beauveria bassiana
505 Beauveria bassiana
506 Beauveria bassiana
507 Beauveria bassiana
509 Beauveria bassiana
510 Beauveria bassiana
511 Conidiobolus coronatus
512 Conidiobolus coronatus
514 Conidiobolus coronatus
517 Conidiobolus sp.
520 Conidiobolus coronatus
522 Conidiobolus sp.
523 Conidiobolus coronatus
524 Conidiobolus coronatus
525 Conidiobolus coronatus
527 Tilletiopsis sp.
528 Conidiobolus coronatus
531 Purpureocillium lilacinum
532 Hirsutella citriformis
533 Beauveria bassiana
534 Beauveria bassiana
535 Beauveria bassiana
536 Beauveria bassiana
538 Metarhizium pingshaense
539 Nomuraea rileyi
543 Metarhizium anisopliae sensu lato
547 Beauveria sp.
549 Metarhizium anisopliae sensu lato
550 Metarhizium anisopliae sensu lato
551 Metarhizium anisopliae sensu lato
552 Metarhizium pingshaense
555 Lecanicillium lecanii
556 Entomophthora muscae
557 Entomophthora muscae
558 Nomuraea rileyi
560 Beauveria bassiana
563 Conidiobolus coronatus

564 Conidiobolus sp.
565 Conidiobolus coronatus
566 Beauveria bassiana
567 Conidiobolus coronatus
568 Hirsutella sp.
569 Gibellula sp.
570 Gibellula sp.
572 Tilletiopsis sp.
573 Tilletiopsis sp.
575 Pandora delphacis
576 Metarhizium pingshaense
577 Paecilomyces reniformis
579 Pandora delphacis
580 Pandora delphacis
581 Entomophaga australiensis
582 Culicinomyces clavisporus
583 Culicinomyces clavisporus
584 Culicinomyces clavisporus
585 Culicinomyces clavisporus
587 Metarhizium anisopliae sensu stricto
588 Metarhizium pingshaense
589 Metarhizium anisopliae sensu lato
590 Beauveria sp.
591 Hirsutella citriformis
593 Pandora delphacis
595 Conidiobolus sp.
596 Conidiobolus sp.
597 Conidiobolus coronatus
598 Conidiobolus nr. coronatus
599 Conidiobolus nr. coronatus
600 Conidiobolus nr. coronatus
602 Conidiobolus nr. coronatus
603 Pandora delphacis
604 Conidiobolus sp.
605 Conidiobolus sp.
606 Conidiobolus sp.
608 Pandora neoaphidis
609 Pandora neoaphidis
610 Pandora neoaphidis
611 Pandora neoaphidis
612 Pandora neoaphidis
613 Pandora neoaphidis
614 Pandora neoaphidis
616 Tolypocladium inflatum
617 Beauveria brongniartii
618 Entomophaga macleodii
619 Entomophaga macleodii
620 Entomophaga macleodii
621 Entomophaga macleodii
623 Entomophaga calopteni
624 Entomophaga macleodii
625 Entomophaga calopteni
626 Entomophaga calopteni
628 Entomophaga macleodii
629 Entomophaga macleodii
630 Conidiobolus thromboides
631 Conidiobolus thromboides
632 Conidiobolus thromboides
633 Conidiobolus thromboides
634 Conidiobolus thromboides
635 Conidiobolus thromboides
636 Pandora neoaphidis
637 Pandora neoaphidis
638 Pandora neoaphidis
639 Pandora neoaphidis
640 Eryniopsis caroliniana
641 Eryniopsis caroliniana
642 Eryniopsis caroliniana
644 Culicinomyces clavisporus
645 Culicinomyces clavisporus
646 Entomophaga calopteni
648 Isaria farinosa
649 Conidiobolus thromboides
650 Macrobiotophthora vermicola
651 Entomophthora muscae
652 Beauveria bassiana
653 Trichothecium sp.
654 Beauveria bassiana
655 Conidiobolus coronatus
656 Beauveria amorpha
657 Pandora delphacis
659 Pandora delphacis
660 Pandora delphacis
662 Neozygites sp.
664 Pandora delphacis
665 Pandora delphacis
666 Pandora delphacis
667 Pandora delphacis
668 Pandora delphacis
669 Pandora delphacis
670 Pandora delphacis
672 Pandora delphacis
673 Pandora delphacis
674 Pandora delphacis
676 Pandora delphacis
678 Beauveria brongniartii
679 Beauveria bassiana
680 Paecilomyces sp.
681 Beauveria bassiana
682 Pandora delphacis
683 Metarhizium guizhouense
684 Hirsutella citriformis
685 Zoophthora radicans
686 Pandora delphacis
687 Fusarium sp.
689 Ascosphaera aggregata
690 Ascosphaera aggregata
691 Ascosphaera apis
692 Ascosphaera apis
693 Ascosphaera atra
694 Ascosphaera major
695 Ascosphaera proliperda
696 Ascosphaera proliperda
697 Isaria farinosa
698 Pandora delphacis
700 Conidiobolus lachnodes
703 Metarhizium guizhouense
705 Tolypocladium cylindrosporum
706 Culicinomyces clavisporus
707 Entomophthora muscae
708 Beauveria bassiana
709 Beauveria bassiana
711 Nomuraea rileyi
712 Metarhizium pingshaense
713 Pandora delphacis
714 Beauveria bassiana
716 Pandora delphacis
717 Beauveria bassiana
718 Beauveria bassiana
719 Beauveria bassiana
720 Isaria fumosorosea
721 Beauveria bassiana
722 Isaria fumosorosea
723 Purpureocillium lilacinum
724 Metarhizium robertsii
725 Metarhizium anisopliae sensu lato
727 Metarhizium robertsii
728 Metarhizium anisopliae sensu lato
729 Metarhizium anisopliae sensu lato
730 Beauveria bassiana
731 Beauveria bassiana
732 Beauveria bassiana
733 Beauveria bassiana
734 Beauveria bassiana
735 Beauveria bassiana
736 Beauveria bassiana
737 Beauveria bassiana
738 Beauveria bassiana
739 Beauveria bassiana
741 Isaria amoenerosea
742 Furia americana
743 Entomophaga australiensis
744 Isaria amoenerosea
748 Lagenidium giganteum
749 Lagenidium giganteum
750 Erynia aquatica
751 Beauveria bassiana
752 Beauveria bassiana
753 Beauveria bassiana
754 Beauveria bassiana
755 Metarhizium anisopliae sensu stricto
756 Beauveria bassiana
757 Beauveria bassiana
758 Beauveria bassiana
759 Metarhizium anisopliae sensu lato
760 Metarhizium anisopliae sensu lato
762 Nomuraea rileyi
763 Purpureocillium lilacinum
764 Erynia aquatica
765 Entomophaga macleodii
767 Entomophaga macleodii
768 Entomophaga macleodii
769 Entomophaga macleodii
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777 Entomophaga macleodii
778 Entomophaga macleodii
779 Entomophaga macleodii
781 Furia pieris
782 Metarhizium anisopliae sensu lato
783 Beauveria bassiana
784 Beauveria bassiana
785 Beauveria bassiana
786 Beauveria bassiana
787 Beauveria bassiana
788 Beauveria bassiana
789 Zoophthora radicans
790 Zoophthora radicans
791 Entomophaga australiensis
792 Beauveria bassiana
793 Beauveria bassiana
794 Metarhizium anisopliae sensu lato
795 Lecanicillium muscarium
796 Beauveria bassiana
797 Metarhizium robertsii
798 Metarhizium anisopliae sensu stricto
799 Isaria farinosa
800 Zoophthora radicans
801 Erynia rhizospora
803 Entomophthora muscae
804 Beauveria bassiana
805 Beauveria bassiana
806 Beauveria bassiana
807 Trichoderma sp.
808 Metarhizium anisopliae sensu lato

809 Beauveria bassiana
810 Lecanicillium muscarium
811 Lecanicillium muscarium
812 Beauveria bassiana
813 Beauveria bassiana
814 Beauveria bassiana
815 Beauveria bassiana
816 Beauveria bassiana
817 Metarhizium brunneum
818 Metarhizium anisopliae sensu lato
819 Metarhizium guizhouense
820 Metarhizium brunneum
821 Fusarium coccophilum
822 Zoophthora radicans
823 Zoophthora radicans
824 Conidiobolus obscurus
825 Pandora kondoiensis
826 Entomophthora muscae
827 Pandora neoaphidis
828 Pandora kondoiensis
829 Pandora neoaphidis
830 Pandora neoaphidis
832 Conidiobolus obscurus
833 Pandora neoaphidis
834 Conidiobolus obscurus
835 Pandora neoaphidis
836 Pandora kondoiensis
837 Pandora kondoiensis
838 Pandora neoaphidis
839 Batkoa apiculata
840 Entomophaga praxibuli
841 Tolypocladium cylindrosporum
842 Beauveria bassiana
843 Beauveria bassiana
844 Metarhizium anisopliae sensu lato
845 Metarhizium anisopliae sensu lato
846 Metarhizium anisopliae sensu lato
847 Metarhizium anisopliae sensu lato
848 Metarhizium anisopliae sensu lato
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865 Metarhizium anisopliae sensu lato
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867 Metarhizium anisopliae sensu lato
868 Metarhizium anisopliae sensu lato
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872 Metarhizium anisopliae sensu lato
873 Metarhizium anisopliae sensu lato
874 Metarhizium anisopliae sensu lato
875 Metarhizium anisopliae sensu lato
876 Erynia sp.
878 Hirsutella guyana
879 Hirsutella guyana
880 Erynia sp.
881 Hirsutella guyana
882 Hirsutella guyana
883 Hirsutella guyana
884 Erynia sp.
886 Beauveria bassiana
887 Isaria fumosorosea
889 Metarhizium anisopliae sensu lato
890 Metarhizium anisopliae sensu lato
891 Metarhizium anisopliae sensu lato
892 Metarhizium anisopliae sensu lato
893 Metarhizium anisopliae sensu lato
894 Metarhizium anisopliae sensu lato
895 Metarhizium anisopliae sensu lato
896 Metarhizium anisopliae sensu lato
897 Metarhizium anisopliae sensu lato
898 Metarhizium anisopliae sensu lato
899 Zoophthora radicans
900 Lecanicillium muscarium
901 Metarhizium anisopliae sensu lato
902 Metarhizium anisopliae sensu lato
903 Metarhizium anisopliae sensu lato
904 Metarhizium anisopliae sensu lato
905 Metarhizium anisopliae sensu lato
906 Metarhizium anisopliae sensu lato
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910 Metarhizium anisopliae sensu lato
911 Metarhizium anisopliae sensu lato
912 Metarhizium anisopliae sensu lato
913 Metarhizium anisopliae sensu lato
914 Zoophthora radicans
915 Pandora blunckii
916 Zoophthora anglica
917 Pandora blunckii
919 Batkoa apiculata
920 Pandora blunckii
921 Metarhizium anisopliae sensu lato
922 Metarhizium anisopliae sensu lato
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925 Metarhizium anisopliae sensu lato
926 Zoophthora anglica
927 Batkoa apiculata
928 Beauveria bassiana
929 Metarhizium anisopliae sensu lato
930 Beauveria bassiana
931 Beauveria bassiana
932 Metarhizium anisopliae sensu lato
933 Beauveria bassiana
934 Beauveria bassiana
935 Nomuraea rileyi
936 Nomuraea rileyi
937 Beauveria bassiana
938 Beauveria bassiana
939 Metarhizium anisopliae sensu lato
941 Beauveria bassiana
942 Beauveria bassiana
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953 Beauveria bassiana
954 Metarhizium anisopliae sensu lato
955 Metarhizium anisopliae sensu lato
956 Beauveria bassiana
957 Beauveria bassiana
958 Beauveria bassiana
959 Evlachovaea sp.
960 Metarhizium anisopliae sensu lato
961 Tolypocladium cylindrosporum
962 Tolypocladium cylindrosporum
963 Tolypocladium cylindrosporum
964 Culicinomyces clavisporus
965 Metarhizium anisopliae sensu lato
966 Metarhizium anisopliae sensu lato
967 Metarhizium anisopliae sensu lato
968 Metarhizium anisopliae sensu lato
970 Hirsutella sp.
971 Paecilomyces sp.
972 Lecanicillium muscarium
973 Lecanicillium muscarium
974 Lecanicillium longisporum
975 Isaria farinosa
976 Tolypocladium cylindrosporum
977 Metarhizium guizhouense
978 Metarhizium majus
979 Beauveria brongniartii
980 Lecanicillium muscarium
981 Isaria farinosa
982 Beauveria bassiana
983 Erynia sp.
984 Paecilomyces canadensis
985 Beauveria brongniartii
986 Purpureocillium lilacinum
988 Metarhizium brunneum
989 Isaria fumosorosea
990 Paecilomyces canadensis
991 Verticillium lecanii
992 Aschersonia aleyrodis
993 Pandora neoaphidis
994 Lecanicillium muscarium
996 Hirsutella satumaensis
997 Conidiobolus coronatus
998 Entomophaga aulicae
999 Conidiobolus sp.
1000 Pandora blunckii
1001 Beauveria bassiana
1002 Lecanicillium muscarium
1003 Aspergillus flavus
1004 Pandora blunckii
1005 Isaria fumosorosea
1006 Conidiobolus thromboides
1007 Beauveria bassiana
1008 Paecilomyces sp.
1009 Metarhizium pingshaense
1010 Aspergillus flavus
1011 Metarhizium pingshaense
1013 Unidentified sp.
1014 Nomuraea rileyi
1015 Metarhizium majus
1016 Beauveria bassiana
1017 Evlachovaea sp.
1018 Zoophthora radicans
1019 Zoophthora radicans
1020 Zoophthora radicans
1021 Zoophthora radicans
1022 Metarhizium anisopliae sensu lato
1023 Metarhizium anisopliae sensu lato
1024 Metarhizium anisopliae sensu lato
1025 Metarhizium anisopliae sensu lato
1026 Lecanicillium longisporum
1027 Tolypocladium cylindrosporum
1028 Tolypocladium cylindrosporum
1029 Lecanicillium muscarium

1030 Aschersonia turbinata
1032 Lecanicillium muscarium(?)
1033 Lecanicillium muscarium
1034 Hirsutella versicolor
1035 Hirsutella citriformis
1036 Hirsutella citriformis
1037 Hirsutella versicolor
1038 Beauveria bassiana
1039 Beauveria bassiana
1040 Beauveria sp.
1041 Beauveria bassiana
1042 Isaria farinosa
1043 Mixed Culture sp.
1044 Metarhizium anisopliae sensu stricto
1045 Metarhizium anisopliae sensu stricto
1046 Metarhizium robertsii
1047 Nomuraea rileyi
1048 Zoophthora radicans
1050 Zoophthora radicans
1051 Unidentified sp.
1052 Erynia sp.
1053 Beauveria bassiana
1054 Beauveria bassiana
1055 Metarhizium anisopliae sensu lato
1056 Metarhizium anisopliae sensu lato
1057 Metarhizium robertsii
1058 Purpureocillium lilacinum
1059 Metarhizium anisopliae sensu lato
1060 Beauveria bassiana
1061 Beauveria bassiana
1062 Hirsutella citriformis
1063 Hirsutella citriformis
1064 Hirsutella citriformis
1065 Isaria farinosa
1066 Metarhizium brunneum
1067 Beauveria brongniartii
1068 Beauveria brongniartii
1069 Beauveria brongniartii
1070 Beauveria brongniartii
1071 Beauveria brongniartii
1072 Beauveria brongniartii
1073 Beauveria bassiana
1074 Beauveria bassiana
1075 Beauveria bassiana
1076 Beauveria brongniartii
1077 Beauveria brongniartii
1079 Beauveria bassiana
1080 Metarhizium anisopliae sensu stricto
1081 Beauveria bassiana
1082 Zoophthora radicans
1083 Metarhizium anisopliae sensu lato
1084 Metarhizium anisopliae sensu lato
1085 Metarhizium anisopliae sensu lato
1086 Metarhizium anisopliae sensu lato
1087 Metarhizium anisopliae sensu lato
1088 Metarhizium anisopliae sensu lato
1089 Metarhizium anisopliae sensu lato
1090 Metarhizium anisopliae sensu lato
1091 Metarhizium anisopliae sensu lato
1092 Metarhizium guizhouense
1093 Metarhizium guizhouense
1094 Metarhizium anisopliae sensu lato
1095 Metarhizium brunneum
1096 Hirsutella sp.
1097 Metarhizium anisopliae sensu lato
1098 Beauveria bassiana
1099 Metarhizium flavoviride var. minus
1100 Zoophthora radicans
1101 Pandora delphacis
1102 Lecanicillium muscarium
1103 Beauveria bassiana
1104 Beauveria bassiana
1105 Beauveria bassiana
1106 Beauveria bassiana
1107 Beauveria bassiana
1108 Isaria farinosa
1109 Lecanicillium lecanii(?)
1110 Beauveria bassiana
1111 Isaria farinosa
1112 Metarhizium brunneum
1113 Beauveria bassiana
1114 Beauveria bassiana
1115 Beauveria bassiana
1116 Metarhizium brunneum
1117 Beauveria bassiana
1118 Beauveria bassiana
1119 Beauveria bassiana
1120 Metarhizium robertsii
1121 Beauveria bassiana
1122 Beauveria bassiana
1123 Sorosporella uvella
1124 Pandora delphacis
1125 Zoophthora radicans
1126 Entomophaga sp.
1129 Furia virescens
1130 Zoophthora radicans
1131 Conidiobolus obscurus
1132 Pandora delphacis
1133 Pandora delphacis
1134 Pandora neoaphidis
1136 Zoophthora radicans
1137 Pandora neoaphidis
1139 Basidiobolus ranarum
1140 Entomophaga aulicae
1143 Erynia sp.
1145 Furia neopyralidarum
1146 Batkoa apiculata
1147 Conidiobolus coronatus
1148 Fusarium solani
1149 Beauveria bassiana
1150 Beauveria bassiana
1151 Beauveria bassiana
1152 Aspergillus sp.
1153 Beauveria bassiana
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1182 Beauveria bassiana
1183 Beauveria bassiana
1184 Metarhizium flavoviride var. flavoviride■
1185 Beauveria bassiana
1186 Beauveria bassiana
1187 Metarhizium brunneum
1188 Beauveria bassiana
1189 Beauveria bassiana
1190 Beauveria bassiana
1191 Beauveria bassiana
1192 Beauveria bassiana
1193 Beauveria bassiana
1194 Beauveria bassiana
1195 Beauveria sp.
1196 Beauveria sp.
1197 Beauveria sp.
1198 Beauveria sp.
1199 Beauveria sp.
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1201 Beauveria sp.
1202 Beauveria sp.
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1206 Beauveria sp.
1207 Beauveria sp.
1208 Beauveria sp.
1209 Beauveria sp.
1210 Beauveria sp.
1211 Beauveria sp.
1212 Trichothecium roseum
1213 Beauveria sp.
1214 Beauveria sp.
1215 Beauveria sp.
1216 Beauveria sp.
1217 Trichothecium sp.
1218 Beauveria sp.
1219 Beauveria sp.
1220 Beauveria sp.
1221 Beauveria sp.
1222 Beauveria sp.
1223 Trichothecium sp.
1224 Beauveria sp.
1225 Isaria farinosa
1226 Trichothecium roseum
1227 Zoophthora radicans
1228 Zoophthora radicans
1229 Zoophthora radicans
1230 Entomophaga sp.
1231 Zoophthora radicans
1232 Zoophthora radicans
1233 Zoophthora radicans
1234 Zoophthora radicans
1236 Zoophthora radicans
1237 Zoophthora radicans
1238 Pandora delphacis
1239 Zoophthora radicans
1240 Furia americana
1241 Erynia sp.
1242 Furia americana
1243 Hirsutella citriformis
1244 Hirsutella citriformis
1245 Hirsutella citriformis
1246 Hirsutella citriformis
1249 Hirsutella citriformis
1251 Hirsutella citriformis
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1254 Hirsutella citriformis
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1256 Hirsutella citriformis
1257 Hirsutella citriformis
1258 Hirsutella citriformis
1259 Hirsutella citriformis
1260 Culicinomyces clavisporus
1261 Zoophthora radicans
1262 Zoophthora radicans
1263 Zoophthora radicans
1264 Pandora delphacis
1265 Pandora delphacis
1266 Erynia sp.
1267 Erynia sp.
1268 Pandora delphacis
1269 Beauveria bassiana
1270 Beauveria bassiana
1271 Metarhizium flavoviride var. minus
1272 Metarhizium flavoviride var. minus
1273 Metarhizium flavoviride var. minus
1274 Metarhizium flavoviride var. minus
1275 Metarhizium flavoviride var. minus
1276 Metarhizium flavoviride var. minus
1277 Metarhizium flavoviride var. minus
1278 Metarhizium brunneum
1279 Metarhizium flavoviride var. minus
1280 Metarhizium anisopliae sensu lato
1281 Metarhizium anisopliae sensu lato
1282 Metarhizium anisopliae sensu lato
1283 Metarhizium flavoviride var. minus
1284 Metarhizium anisopliae sensu lato
1285 Metarhizium anisopliae sensu lato
1286 Metarhizium anisopliae sensu lato
1287 Metarhizium flavoviride var. minus
1288 Metarhizium flavoviride var. minus
1289 Metarhizium flavoviride var. minus
1290 Metarhizium anisopliae sensu lato
1291 Metarhizium flavoviride var. minus
1292 Metarhizium flavoviride var. minus
1293 Metarhizium flavoviride var. minus
1294 Metarhizium flavoviride var. minus
1295 Metarhizium flavoviride var. minus
1296 Metarhizium flavoviride var. minus
1297 Metarhizium flavoviride var. minus
1298 Metarhizium robertsii
1299 Metarhizium anisopliae sensu lato
1300 Metarhizium anisopliae sensu lato
1301 Metarhizium flavoviride var. minus
1302 Metarhizium flavoviride var. minus
1303 Metarhizium flavoviride var. minus
1304 Metarhizium anisopliae sensu lato
1305 Metarhizium flavoviride var. minus
1306 Beauveria bassiana
1307 Fusarium sp.
1308 Trichothecium roseum
1309 Beauveria bassiana
1310 Fusarium sp.
1311 Beauveria bassiana
1312 Beauveria bassiana
1313 Beauveria bassiana
1314 Beauveria bassiana
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1324 Beauveria bassiana
1325 Beauveria bassiana
1326 Beauveria bassiana
1327 Beauveria sp.
1328 Lecanicillium muscarium
1329 Aphanocladium album
1330 Lecanicillium muscarium
1331 Fusarium lateritium
1332 Lecanicillium muscarium
1333 Verticillium lecanii
1334 Lecanicillium muscarium
1335 Lecanicillium muscarium
1336 Zoophthora radicans
1337 Zoophthora radicans
1338 Erynia sp.
1339 Furia ithacensis
1340 Furia ithacensis
1341 Zoophthora radicans
1342 Zoophthora radicans
1343 Zoophthora radicans
1344 Zoophthora radicans
1345 Zoophthora radicans
1346 Zoophthora radicans
1347 Basidiobolus haptosporus
1348 Isaria farinosa
1349 Isaria farinosa
1350 Zoophthora radicans
1351 Lecanicillium lecanii
1352 Lecanicillium muscarium
1353 Sterile mycelium
1354 Isaria farinosa
1355 Isaria farinosa
1356 Unidentified sp.
1357 Verticillium lecanii
1358 Isaria farinosa
1359 Beauveria bassiana
1360 Beauveria brongniartii
1361 Trichoderma sp.
1362 Hirsutella nr. haptospora
1363 Hirsutella nr. haptospora
1364 Hirsutella nr. haptospora
1365 Pochonia bulbillosa(?)
1366 Beauveria brongniartii
1367 Simplicillium lamellicola
1369 Hirsutella radiata
1371 Fusarium oxysporum
1372 Acremonium furcatum
1373 Metarhizium anisopliae sensu lato
1374 Metarhizium anisopliae sensu lato
1375 Metarhizium anisopliae sensu lato
1376 Metarhizium anisopliae sensu lato
1377 Metarhizium anisopliae sensu lato
1378 Metarhizium anisopliae sensu lato
1379 Metarhizium anisopliae sensu lato
1380 Metarhizium anisopliae sensu lato
1382 Metarhizium anisopliae sensu lato
1383 Metarhizium anisopliae var. majus
1384 Lagenidium giganteum
1386 Metarhizium anisopliae sensu lato
1387 Metarhizium anisopliae sensu lato
1388 Metarhizium anisopliae sensu lato
1389 Beauveria bassiana
1390 Entomophaga maimaiga
1391 Entomophaga maimaiga
1392 Entomophaga maimaiga
1393 Entomophaga asiatica
1394 Beauveria bassiana
1395 Beauveria bassiana
1396 Beauveria bassiana
1397 Beauveria bassiana
1398 Beauveria bassiana
1399 Beauveria bassiana
1400 Entomophaga maimaiga
1401 Lecanicillium muscarium
1402 Lecanicillium muscarium
1403 Lecanicillium muscarium
1404 Beauveria bassiana
1405 Beauveria bassiana
1406 Beauveria bassiana
1407 Beauveria bassiana
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1410 Beauveria bassiana
1411 Beauveria bassiana
1412 Beauveria bassiana
1413 Beauveria bassiana
1414 Beauveria bassiana
1415 Unidentified sp.
1416 Fusarium lateritium
1417 Unidentified sp.
1419 Unidentified sp.
1420 Unidentified sp.
1421 Unidentified sp.
1422 Pandora dipterigena
1423 Unidentified sp.
1424 Polycephalomyces formosus
1425 Tritirachium isariae
1426 Conidiobolus sp.
1427 Batkoa major
1428 Zoophthora radicans
1431 Beauveria brongniartii
1432 Metarhizium anisopliae sensu lato
1435 Sterile mycelium
1436 Hirsutella citriformis
1439 Erynia conica
1440 Erynia rhizospora
1441 Erynia rhizospora
1442 Erynia rhizospora
1443 Erynia rhizospora
1444 Conidiobolus sp.
1445 Conidiobolus sp.
1446 Hirsutella citriformis
1448 Metarhizium pingshaense
1449 Metarhizium anisopliae sensu lato
1450 Beauveria bassiana
1453 Beauveria bassiana
1454 Beauveria bassiana
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1471 Beauveria bassiana
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1476 Beauveria bassiana
1477 Conidiobolus sp.

1478 Beauveria bassiana
1479 Beauveria bassiana
1480 Beauveria bassiana
1483 Beauveria bassiana
1484 Beauveria bassiana
1485 Conidiobolus sp.
1486 Conidiobolus sp.
1487 Conidiobolus sp.
1488 Conidiobolus sp.
1489 Metarhizium anisopliae sensu stricto
1490 Metarhizium anisopliae sensu lato
1491 Beauveria bassiana
1492 Zoophthora radicans
1493 Zoophthora radicans
1494 Zoophthora radicans
1495 Zoophthora radicans
1496 Zoophthora radicans
1497 Zoophthora radicans
1498 Zoophthora radicans
1499 Zoophthora radicans
1500 Zoophthora radicans
1501 Zoophthora radicans
1502 Zoophthora radicans
1503 Zoophthora radicans
1504 Zoophthora radicans
1505 Lecanicillium lecanii
1506 Isaria fumosorosea
1507 Isaria farinosa
1508 Isaria farinosa
1509 Beauveria bassiana
1510 Beauveria bassiana
1511 Beauveria bassiana
1512 Beauveria bassiana
1513 Beauveria bassiana
1514 Beauveria bassiana
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1516 Beauveria bassiana
1517 Beauveria bassiana
1518 Beauveria bassiana
1519 Beauveria bassiana
1520 Beauveria bassiana
1521 Beauveria bassiana
1522 Fusarium sp.
1523 Beauveria bassiana
1524 Beauveria bassiana
1525 Beauveria bassiana
1526 Beauveria bassiana
1527 Beauveria bassiana
1528 Beauveria bassiana
1529 Beauveria bassiana
1530 Isaria fumosorosea
1531 Beauveria bassiana
1532 Isaria fumosorosea
1533 Beauveria bassiana
1534 Beauveria bassiana
1535 Beauveria bassiana
1536 Beauveria bassiana
1537 Beauveria bassiana
1538 Beauveria bassiana
1539 Beauveria bassiana
1540 Beauveria bassiana
1541 Zoophthora radicans
1542 Zoophthora radicans
1543 Zoophthora radicans
1544 Zoophthora radicans
1545 Metarhizium pingshaense
1546 Metarhizium flavoviride var. minus
1547 Metarhizium flavoviride var. minus
1548 Metarhizium anisopliae sensu lato
1549 Hirsutella citriformis
1550 Hirsutella citriformis
1551 Hirsutella sp.
1553 Beauveria bassiana
1554 Beauveria bassiana
1555 Beauveria bassiana
1556 Beauveria bassiana
1558 Beauveria bassiana
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1561 Beauveria bassiana
1562 Beauveria bassiana
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1564 Beauveria bassiana
1565 Beauveria bassiana
1566 Beauveria bassiana
1567 Beauveria caledonica
1568 Isaria fumosorosea
1569 Isaria fumosorosea
1570 Pandora neoaphidis
1572 Conidiobolus coronatus
1573 Conidiobolus coronatus
1574 Conidiobolus coronatus
1575 Conidiobolus coronatus
1576 Evlachovaea sp.
1577 Isaria fumosorosea
1578 Isaria fumosorosea
1579 Isaria fumosorosea
1580 Tolypocladium cylindrosporum
1581 Zoophthora radicans
1582 Zoophthora radicans
1583 Zoophthora radicans
1584 Zoophthora radicans
1585 Zoophthora radicans
1586 Zoophthora radicans
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1593 Zoophthora radicans
1594 Zoophthora radicans
1595 Zoophthora radicans
1596 Pandora neoaphidis
1597 Pandora neoaphidis
1598 Pandora neoaphidis
1600 Pandora neoaphidis
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1612 Pandora neoaphidis
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1615 Pandora neoaphidis
1616 Pandora neoaphidis
1617 Pandora neoaphidis
1618 Pandora neoaphidis
1619 Beauveria bassiana
1620 Beauveria bassiana
1621 Beauveria bassiana
1622 Beauveria bassiana
1623 Beauveria bassiana
1624 Beauveria bassiana
1625 Hirsutella sp.
1626 Isaria fumosorosea
1627 Beauveria bassiana
1628 Beauveria bassiana
1629 Beauveria bassiana
1630 Beauveria bassiana
1634 Unidentified sp.
1635 Beauveria bassiana
1636 Beauveria bassiana
1637 Beauveria bassiana
1638 Beauveria bassiana
1639 Trichothecium roseum
1640 Beauveria bassiana
1641 Fusarium sp.
1642 Trichothecium roseum
1643 Beauveria bassiana
1644 Isaria fumosorosea
1645 Isaria fumosorosea
1646 Isaria fumosorosea
1647 Beauveria bassiana
1648 Beauveria bassiana
1649 Beauveria bassiana
1650 Beauveria bassiana
1651 Beauveria bassiana
1652 Beauveria bassiana
1653 Beauveria bassiana
1654 Beauveria bassiana
1655 Entomophaga aulicae
1656 Entomophaga aulicae
1657 Entomophaga aulicae
1658 Entomophaga maimaiga
1659 Entomophaga asiatica
1660 Batkoa apiculata
1661 Batkoa apiculata
1662 Conidiobolus pseudapiculatus
1664 Conidiobolus pseudapiculatus
1665 Conidiobolus pseudapiculatus
1666 Erynia sp.
1668 Hirsutella sp.
1669 Gibellula sp.
1670 Nomuraea rileyi
1671 Nomuraea rileyi
1672 Conidiobolus sp.
1674 Zoophthora radicans
1675 Zoophthora radicans
1676 Beauveria amorpha
1677 Beauveria bassiana
1678 Beauveria bassiana
1679 Beauveria bassiana
1680 Beauveria amorpha
1681 Beauveria sp.
1682 Beauveria sp.
1683 Beauveria bassiana
1684 Isaria andoi
1685 Beauveria sungii
1686 Isaria flavovirescens
1689 Beauveria bassiana
1690 Beauveria bassiana
1691 Beauveria bassiana
1692 Beauveria bassiana
1693 Unidentified sp.
1694 Unidentified sp.
1695 Pandora neoaphidis
1696 Pandora neoaphidis
1699 Zoophthora radicans
1703 Unidentified sp.
1704 Beauveria bassiana
1705 Beauveria bassiana
1706 Beauveria bassiana
1707 Beauveria bassiana
1708 Beauveria bassiana
1709 Beauveria bassiana

1710 Beauveria bassiana
1711 Beauveria bassiana
1712 Beauveria bassiana
1713 Beauveria bassiana
1714 Sorosporella uvella
1715 Pandora blunckii
1716 Pandora blunckii
1717 Pandora blunckii
1718 Pandora blunckii
1719 Zoophthora radicans
1720 Pandora dipterigena
1721 Beauveria bassiana
1722 Beauveria bassiana
1723 Beauveria bassiana
1724 Metarhizium pingshaense
1725 Metarhizium pingshaense
1726 Metarhizium anisopliae sensu lato
1727 Metarhizium anisopliae sensu lato
1728 Metarhizium anisopliae sensu lato
1729 Metarhizium pingshaense
1730 Pandora delphacis
1731 Pandora delphacis
1732 Gibellula pulchra
1733 Conidiobolus thromboides
1734 Conidiobolus thromboides
1735 Conidiobolus thromboides
1736 Conidiobolus coronatus
1737 Conidiobolus coronatus
1738 Conidiobolus coronatus
1739 Zoophthora anglica
1741 Conidiobolus obscurus
1742 Conidiobolus nr. coronatus
1743 Conidiobolus nr. coronatus
1744 Metarhizium anisopliae sensu lato
1745 Metarhizium anisopliae sensu lato
1746 Entomophaga maimaiga
1747 Beauveria bassiana
1748 Beauveria bassiana
1749 Beauveria bassiana
1750 Beauveria bassiana
1751 Entomophaga aulicae
1752 Erynia conica
1753 Erynia conica
1754 Erynia curvispora
1756 Nomuraea rileyi
1757 Nomuraea rileyi
1758 Nomuraea rileyi
1759 Nomuraea rileyi
1760 Nomuraea rileyi
1761 Nomuraea rileyi
1762 Nomuraea rileyi
1763 Metarhizium flavoviride var. minus
1764 Metarhizium flavoviride var. minus
1765 Metarhizium flavoviride var. minus
1766 Metarhizium flavoviride var. minus
1767 Metarhizium flavoviride var. minus
1768 Metarhizium flavoviride var. minus
1769 Metarhizium flavoviride var. minus
1770 Metarhizium flavoviride var. minus
1771 Metarhizium flavoviride var. minus
1772 Metarhizium flavoviride var. minus
1773 Metarhizium flavoviride var. minus
1774 Lecanicillium muscarium
1775 Beauveria bassiana
1776 Beauveria bassiana
1777 Beauveria bassiana
1778 Beauveria bassiana
1779 Beauveria bassiana
1780 Beauveria bassiana
1781 Beauveria bassiana
1782 Beauveria bassiana
1783 Beauveria bassiana
1784 Pandora neoaphidis
1785 Pandora neoaphidis
1786 Pandora neoaphidis
1787 Lecanicillium lecanii
1788 Beauveria bassiana
1789 Beauveria bassiana
1790 Beauveria bassiana
1791 Beauveria bassiana
1792 Beauveria bassiana
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1819 Beauveria bassiana
1820 Beauveria bassiana
1821 Beauveria bassiana
1822 Beauveria bassiana
1823 Metarhizium anisopliae sensu lato
1824 Pandora neoaphidis
1825 Pandora neoaphidis
1826 Pandora neoaphidis
1827 Pandora neoaphidis
1828 Fusarium sp.
1829 Beauveria brongniartii
1830 Beauveria brongniartii
1831 Beauveria bassiana
1832 Beauveria bassiana
1833 Beauveria bassiana
1834 Beauveria bassiana
1835 Beauveria sp.
1836 Beauveria bassiana
1837 Hirsutella citriformis
1838 Beauveria bassiana
1839 Beauveria bassiana
1840 Metarhizium album
1841 Zoophthora radicans
1842 Beauveria bassiana
1843 Beauveria bassiana
1844 Beauveria bassiana
1845 Beauveria bassiana
1846 Beauveria bassiana
1848 Beauveria bassiana
1849 Beauveria bassiana
1850 Beauveria bassiana
1851 Isaria farinosa
1852 Beauveria bassiana
1853 Beauveria bassiana
1854 Beauveria bassiana
1855 Beauveria pseudobassiana
1856 Sorosporella uvella
1857 Candida sp.
1858 Metarhizium majus
1859 Metarhizium majus
1860 Entomophthora chromaphidis
1862 Entomophthora chromaphidis
1863 Entomophthora chromaphidis
1864 Beauveria bassiana
1865 Beauveria bassiana
1866 Beauveria bassiana
1867 Isaria fumosorosea
1868 Isaria fumosorosea
1870 Erynia sciarae
1871 Beauveria brongniartii
1872 Beauveria brongniartii
1873 Beauveria brongniartii
1874 Beauveria brongniartii
1875 Beauveria brongniartii
1876 Conidiobolus coronatus
1877 Candida sp.
1878 Metarhizium robertsii
1879 Nomuraea rileyi
1880 Ophiocordyceps heteropoda
1881 Entomophaga sp.
1882 Metarhizium anisopliae sensu lato
1883 Metarhizium anisopliae sensu lato
1884 Conidiobolus coronatus
1885 Metarhizium anisopliae sensu lato
1886 Beauveria sp.
1887 Pandora dipterigena
1888 Entomophaga australiensis
1889 Beauveria bassiana
1890 Metarhizium anisopliae sensu lato
1891 Metarhizium anisopliae sensu lato
1892 Metarhizium anisopliae sensu lato
1893 Nomuraea rileyi
1894 Metarhizium anisopliae sensu stricto
1895 Metarhizium anisopliae sensu lato
1896 Metarhizium anisopliae sensu lato
1897 Metarhizium robertsii
1898 Metarhizium anisopliae sensu lato
1899 Metarhizium anisopliae sensu lato
1900 Metarhizium anisopliae sensu stricto
1901 Metarhizium anisopliae sensu lato
1902 Metarhizium anisopliae sensu lato
1903 Metarhizium anisopliae sensu lato
1904 Nomuraea atypicola
1905 Lecanicillium lecanii
1907 Calcarisporium ovalisporum
1908 Sporothrix sp.
1909 Gibellula clavulifera var. alba
1910 Metarhizium robertsii
1911 Metarhizium anisopliae sensu lato
1912 Metarhizium anisopliae sensu stricto
1913 Hirsutella citriformis
1914 Metarhizium majus
1915 Torrubiella ratticaudata
1916 Torrubiella ratticaudata
1917 Hirsutella citriformis
1918 Hirsutella citriformis
1919 Hirsutella citriformis
1920 Entomophaga australiensis
1921 Pandora dipterigena
1922 Unidentified sp.
1923 Pandora dipterigena
1924 Candida sp.
1925 Candida sp.

1926 Candida sp.
1928 Zoophthora radicans
1929 Zoophthora radicans
1930 Zoophthora radicans
1931 Zoophthora radicans
1932 Zoophthora radicans
1933 Zoophthora radicans
1934 Zoophthora radicans
1935 Zoophthora radicans
1936 Pandora delphacis
1937 Zoophthora radicans
1938 Zoophthora radicans
1939 Isaria farinosa
1940 Crypticola clavulifera
1941 Metarhizium album
1942 Metarhizium album
1943 Metarhizium album
1945 Metarhizium flavoviride var. minus
1946 Metarhizium majus
1947 Hirsutella thompsonii
1948 Culicinomyces bisporalis
1949 Culicinomyces bisporalis
1950 Nomuraea rileyi
1951 Purpureocillium lilacinum
1952 Metarhizium robertsii
1953 Beauveria bassiana
1954 Beauveria bassiana
1955 Beauveria bassiana
1956 Beauveria bassiana
1957 Isaria farinosa
1958 Metarhizium anisopliae sensu lato
1959 Beauveria bassiana
1960 Beauveria bassiana
1961 Beauveria bassiana
1962 Beauveria bassiana
1964 Acremonium roseum
1966 Beauveria bassiana
1967 Conidiobolus sp.
1968 Metarhizium robertsii
1969 Beauveria amorpha
1970 Metarhizium anisopliae sensu lato
1971 Beauveria bassiana
1972 Nomuraea rileyi
1973 Beauveria bassiana
1974 Beauveria bassiana
1975 Beauveria bassiana
1976 Beauveria bassiana
1977 Beauveria bassiana
1978 Beauveria bassiana
1979 Beauveria bassiana
1980 Beauveria bassiana
1981 Pandora neoaphidis
1982 Beauveria bassiana
1984 Beauveria bassiana
1985 Pandora neoaphidis
1986 Pandora neoaphidis
1987 Pandora neoaphidis
1988 Beauveria bassiana
1989 Metarhizium anisopliae sensu lato
1990 Entomophaga aulicae
1991 Entomophaga aulicae
1992 Entomophaga aulicae
1993 Entomophaga aulicae
1994 Entomophaga aulicae
1995 Entomophaga aulicae
1997 Entomophaga aulicae
1998 Entomophaga aulicae
1999 Entomophaga aulicae
2000 Entomophaga aulicae
2002 Hymenostilbe verrucosa
2003 Lagenidium caudatum
2004 Leptolegnia sp.
2005 Aphanomyces sp.
2006 Hirsutella rhossiliensis
2007 Hirsutella rhossiliensis
2008 Hirsutella rhossiliensis
2009 Lecanicillium sp.
2010 Beauveria bassiana
2011 Beauveria bassiana
2012 Hirsutella thompsonii
2013 Nomuraea rileyi
2014 Entomophthora muscae
2015 Catenaria anguillulae
2016 Pandora neoaphidis
2017 Pandora neoaphidis
2018 Pandora neoaphidis
2019 Pandora neoaphidis
2020 Pandora neoaphidis
2022 Unidentified / Zygomycetes
2023 Metarhizium flavoviride var. minus
2024 Metarhizium flavoviride
2025 Metarhizium flavoviride var. flavoviride
2026 Metarhizium flavoviride
2027 Erynia sp.
2028 Pandora delphacis
2030 Beauveria bassiana
2031 Beauveria bassiana
2032 Beauveria bassiana
2033 Beauveria bassiana
2034 Beauveria bassiana
2035 Calcarisporium ovalisporum
2036 Calcarisporium ovalisporum
2037 Metarhizium flavoviride var. minus
2038 Metarhizium anisopliae sensu lato
2039 Metarhizium anisopliae sensu lato
2040 Beauveria bassiana
2041 Beauveria bassiana
2042 Metarhizium brunneum
2043 Metarhizium pingshaense
2044 Hirsutella strigosa
2045 Torrubiella homopterorum
2046 Pandora delphacis
2047 Pandora delphacis
2048 Basidiobolus sp.
2049 Basidiobolus sp.
2050 Basidiobolus sp.
2051 Basidiobolus sp.
2052 Basidiobolus sp.
2053 Fusarium semitectum
2054 Beauveria bassiana
2055 Trichothecium roseum
2056 Penicillium thomii
2057 Isaria farinosa
2059 Fusarium merismoides
2060 Fusarium avenaceum
2061 Mortierella hyalina
2063 Mortierella histoplasmatoides
2064 Pochonia suchlasporia var. catenata
2065 Lecanicillium muscarium
2066 Lecanicillium muscarium
2067 Acremonium berkeleyanum
2069 Humicola sp.
2070 Acrodontium crateriforme
2071 Phoma cava
2072 Phialophora malorum
2073 Sterile mycelium
2074 Fusarium moniliforme
2075 Beauveria bassiana
2076 Metarhizium anisopliae sensu lato
2077 Metarhizium anisopliae sensu lato
2078 Purpureocillium lilacinum
2079 Beauveria bassiana
2080 Metarhizium anisopliae sensu stricto
2081 Metarhizium album
2082 Metarhizium album
2085 Pandora neoaphidis
2086 Pandora neoaphidis
2087 Entomophthora muscae
2088 Entomophthora muscae
2089 Entomophthora muscae
2091 Pandora delphacis
2092 Pandora delphacis
2093 Pandora delphacis
2094 Pandora delphacis
2095 Pandora delphacis
2096 Pandora delphacis
2097 Erynia sp.
2098 Fusarium coccophilum
2099 Hirsutella citriformis
2100 Hirsutella citriformis
2101 Hirsutella citriformis
2102 Hirsutella citriformis
2103 Hirsutella citriformis
2105 Metarhizium anisopliae sensu lato
2106 Metarhizium pingshaense
2107 Metarhizium brunneum
2108 Pandora neoaphidis
2109 Pandora neoaphidis
2110 Pandora neoaphidis
2112 Pandora neoaphidis
2114 Pandora neoaphidis
2115 Pandora neoaphidis
2116 Pandora neoaphidis
2117 Pandora neoaphidis
2118 Pandora neoaphidis
2119 Pandora neoaphidis
2120 Pandora neoaphidis
2121 Pandora neoaphidis
2122 Pandora neoaphidis
2123 Pandora neoaphidis
2124 Pandora neoaphidis
2128 Pandora neoaphidis
2130 Conidiobolus sp.
2131 Isaria farinosa
2132
2134 Metarhizium robertsii
2135 Metarhizium anisopliae sensu lato
2136 Metarhizium anisopliae sensu lato
2137 Metarhizium anisopliae sensu lato
2138 Metarhizium anisopliae sensu lato
2139 Metarhizium anisopliae sensu lato
2140 Metarhizium guizhouense
2141 Fusarium subglutinans
2142 Fusarium subglutinans
2143 Fusarium subglutinans
2144 Fusarium subglutinans
2145 Fusarium subglutinans
2146
2147 Conidiobolus sp.
2148 Conidiobolus sp.
2149 Lecanicillium lecanii
2150 Lecanicillium lecanii
2151 Metarhizium anisopliae var. majus
2152 Isaria guaensis
2153 Metarhizium anisopliae sensu stricto
2154 Aschersonia aleyrodis
2155 Purpureocillium lilacinum
2156 Metarhizium anisopliae sensu lato
2157 Aspergillus flavus
2158 Aspergillus flavus

2159 Aspergillus flavus
2160 Trichoderma sp.
2161 Trichoderma sp.
2162 Metarhizium pingshaense
2163 Metarhizium anisopliae sensu lato
2164 Beauveria sp.
2165 Metarhizium anisopliae sensu lato
2166 Metarhizium anisopliae sensu lato
2167 Metarhizium anisopliae sensu lato
2169 Scopulariopsis sp.
2170 Lasiodiplodia theobromae
2172 Entomophthora muscae
2173 Aspergillus parasiticus
2174 Nomuraea rileyi
2175 Isaria fumosorosea
2176 Metarhizium album
2177 Unidentified / Hyphomycetes
2178 Metarhizium album
2179 Metarhizium album
2181 Purpureocillium lilacinum
2182 Purpureocillium lilacinum
2183 Purpureocillium lilacinum
2184 Purpureocillium lilacinum
2185 Purpureocillium lilacinum
2186 Purpureocillium lilacinum
2187 Hirsutella bogoriensis
2188 Zoophthora phytonomi
2191 Beauveria bassiana
2192 Furia americana
2193 Conidiobolus sp.
2194 Furia americana
2196 Zoophthora radicans
2197 Hirsutella strigosa
2198 Isaria fumosorosea
2201 Nomuraea rileyi
2202 Nomuraea rileyi
2203 Nomuraea rileyi
2204 Nomuraea rileyi
2205 Nomuraea rileyi
2206 Nomuraea rileyi
2207 Nomuraea rileyi
2208 Hirsutella sp.
2209 Hirsutella sp.
2210 Metarhizium brunneum
2211 Metarhizium anisopliae sensu lato
2212 Metarhizium anisopliae sensu lato
2213 Metarhizium anisopliae sensu lato
2214 Metarhizium anisopliae sensu lato
2215 Purpureocillium lilacinum
2216 Isaria fumosorosea
2217 Isaria fumosorosea
2218 Pochonia chlamydosporia var. chlamydosporia
2219 Isaria fumosorosea
2220 Isaria amoenerosea
2221 Isaria fumosorosea
2223 Metarhizium anisopliae sensu stricto
2224 Metarhizium brunneum
2225 Unidentified / Hyphomycetes
2226 Hirsutella haptospora
2227 Hirsutella subulata
2228 Hirsutella nr. haptospora
2230 Metarhizium anisopliae sensu lato
2231 Metarhizium pingshaense
2232 Fusarium sp.
2233 Purpureocillium lilacinum
2234 Lecanicillium psalliotae
2235 Lecanicillium psalliotae
2236 Beauveria bassiana
2237 Schizangiella sp.
2239 Schizangiella sp.
2241 Zoophthora radicans
2242 Zoophthora radicans
2243 Zoophthora radicans
2244 Zoophthora radicans
2245 Zoophthora radicans
2246 Zoophthora radicans
2247 Isaria fumosorosea
2248 Beauveria bassiana
2249 Beauveria bassiana
2250 Beauveria bassiana
2251 Beauveria caledonica
2252 Fusarium sp.
2253 Beauveria bassiana
2254 Beauveria bassiana
2255 Scopulariopsis sp.
2256 Zoophthora radicans
2257 Zoophthora radicans
2258 Zoophthora radicans
2259 Zoophthora radicans
2260 Zoophthora radicans
2261 Zoophthora radicans
2262 Zoophthora radicans
2263 Entomophthora muscae
2264 Entomophthora muscae
2265 Entomophthora muscae
2266 Entomophthora muscae
2267 Beauveria bassiana
2268 Aschersonia aleyrodis
2269 Isaria farinosa
2270 Beauveria bassiana
2271 Beauveria brongniartii
2273 Entomophaga conglomerata
2274 Erynia conica
2275 Erynia conica
2276 Erynia rhizospora
2279 Erynia sp.
2280 Pandora neoaphidis
2281 Zoophthora phalloides
2282 Zoophthora radicans
2283 Zoophthora radicans
2284 Zoophthora radicans
2285 Zoophthora radicans
2286 Zoophthora radicans
2287 Zoophthora radicans
2288 Zoophthora radicans
2289 Zoophthora radicans
2292 Erynia sp.
2293 Pandora neoaphidis
2294 Erynia sp.
2297 Evlachovaea sp.
2298 Pandora neoaphidis
2299 Fusarium semitectum
2300 Fusarium semitectum
2301 Fusarium subglutinans
2303 Fusarium sp.
2304 Fusarium lateritium
2311 Fusarium oxysporum
2312 Fusarium solani
2313 Fusarium solani
2314 Fusarium solani
2315 Syncephalastrum racemosum
2316 Fusarium nygamai
2317 Entomophthora muscae
2318 Beauveria bassiana
2319 Beauveria bassiana
2320 Beauveria bassiana
2321 Beauveria bassiana
2322 Beauveria bassiana
2323 Lecanicillium muscarium
2324 Lecanicillium aphanocladii
2325 Lecanicillium muscarium
2326 Lecanicillium muscarium
2327 Scopulariopsis sp.
2328 Scopulariopsis sp.
2329 Lecanicillium muscarium
2330 Beauveria bassiana
2332 Lecanicillium psalliotae
2333 Fusarium sp.
2334 Lecanicillium muscarium
2336 Beauveria bassiana
2337 Fusarium sp.
2338 Conidiobolus lamprauges
2339 Metarhizium flavoviride var. minus
2341 Metarhizium anisopliae sensu lato
2342 Metarhizium anisopliae sensu lato
2343 Metarhizium anisopliae sensu lato
2344 Isaria farinosa
2345 Nomuraea rileyi
2346 Hirsutella citriformis
2347 Hirsutella citriformis
2348 Hirsutella repens
2350 Paecilomyces sp.
2351 Aschersonia sp.
2352 Hirsutella guyana
2353 Metarhizium sp.
2354 Paecilomyces sp.
2355 Isaria farinosa
2356 Aschersonia insperata
2357 Aschersonia sp.
2358 Aschersonia sp.
2359 Hirsutella repens
2360 Beauveria bassiana
2362 Entomophaga aulicae
2363 Entomophaga aulicae
2365 Entomophaga aulicae
2366 Entomophaga aulicae
2367 Entomophaga aulicae
2368 Entomophaga aulicae
2369 Entomophaga aulicae
2370 Entomophaga maimaiga
2371 Entomophaga maimaiga
2372 Entomophaga aulicae
2373 Entomophaga aulicae
2374 Entomophaga aulicae
2376 Isaria farinosa
2378 Paecilomyces sp.
2387 Hirsutella guyana
2394 Hirsutella repens
2395 Nomuraea rileyi
2396 Aschersonia insperata
2397 Aschersonia sp.
2398 Aschersonia sp.
2399 Verticillium cinnamomeum
2400 Zoophthora radicans
2401 Beauveria bassiana
2402 Beauveria bassiana
2403 Beauveria bassiana
2404 Beauveria bassiana
2405 Erynia conica
2406 Pandora dipterigena
2407 Erynia rhizospora
2409 Pandora delphacis
2410 Zoophthora radicans
2411 Zoophthora radicans
2412 Beauveria sp.
2413 Nomuraea sp.
2414 Fusarium sp.
2415 Tilachlidium sp.
2416 Cordyceps militaris

2417 Beauveria bassiana
2418 Fusarium sp.
2420 Hirsutella citriformis
2421 Metarhizium anisopliae sensu stricto
2422 Hirsutella citriformis
2423 Hirsutella citriformis
2424 Metarhizium anisopliae sensu lato
2425 Isaria fumosorosea
2426 Hirsutella citriformis
2427 Beauveria bassiana
2428 Hirsutella citriformis
2430 Beauveria bassiana
2452 Coemansia sp.
2454 Beauveria bassiana
2455 Beauveria bassiana
2456 Paecilomyces viridis
2457 Beauveria bassiana
2458 Beauveria bassiana
2459 Hirsutella thompsonii
2460 Lecanicillium longisporum
2461 Beauveria bassiana
2462 Beauveria bassiana
2463 Beauveria bassiana
2464 Hirsutella thompsonii
2465 Nomuraea rileyi
2466 Nomuraea rileyi
2467 Nomuraea anemonoides
2468 Drechmeria coniospora
2469 Metarhizium robertsii
2471 Culicinomyces clavisporus
2472 Culicinomyces clavisporus
2473 Culicinomyces clavisporus
2474 Culicinomyces clavisporus
2475 Culicinomyces clavisporus
2476 Culicinomyces clavisporus
2477 Culicinomyces clavisporus
2478 Culicinomyces clavisporus
2479 Culicinomyces clavisporus
2480 Culicinomyces clavisporus
2481 Culicinomyces clavisporus
2482 Culicinomyces clavisporus
2483 Haptocillium balanoides
2484 Beauveria bassiana
2485 Beauveria bassiana
2486 Beauveria bassiana
2487 Beauveria bassiana
2488 Isaria tenuipes
2489 Isaria tenuipes
2490 Isaria tenuipes
2491 Isaria tenuipes
2492 Nomuraea rileyi
2493 Conidiobolus pseudapiculatus
2494 Conidiobolus sp.
2495 Erynia sp.
2496 Conidiobolus pseudapiculatus
2497 Conidiobolus pseudapiculatus
2498 Conidiobolus sp.
2499 Zoophthora radicans
2500 Zoophthora radicans
2501 Zoophthora radicans
2502 Conidiobolus pseudapiculatus
2503 Zoophthora radicans
2504 Batkoa apiculata
2505 Zoophthora anglica
2506 Zoophthora radicans
2507 Erynia sp.
2509 Beauveria bassiana
2510 Metarhizium anisopliae sensu lato
2511 Beauveria bassiana
2512 Beauveria bassiana
2513 Metarhizium anisopliae sensu lato
2514 Metarhizium robertsii
2515 Beauveria bassiana
2516 Beauveria bassiana
2517 Metarhizium anisopliae sensu stricto
2518 Metarhizium anisopliae sensu stricto
2519 Beauveria bassiana
2520 Beauveria bassiana
2521 Metarhizium anisopliae sensu lato
2522 Entomophaga calopteni
2523 Zoophthora radicans
2525 Erynia sp.
2526 Culicinomyces clavisporus
2527 Culicinomyces clavisporus
2528 Unidentified sp.
2529 Lagenidium giganteum
2530 Lagenidium giganteum
2531 Lagenidium giganteum
2532 Lagenidium giganteum
2535 Eryniopsis ptychopterae
2536 Erynia sp.
2537 Erynia sp.
2538 Erynia sp.
2539 Erynia sp.
2540 Entomophthora schizophorae
2541 Entomophthora schizophorae
2542 Entomophthora muscae
2544 Beauveria bassiana
2545 Evlachovaea sp.
2546 Isaria farinosa
2547 Metarhizium robertsii
2548 Metarhizium anisopliae sensu lato
2549 Zoophthora radicans
2550 Zoophthora radicans
2551 Zoophthora radicans
2552 Zoophthora radicans
2553 Erynia sp.
2554 Zoophthora radicans
2555 Beauveria bassiana
2556 Isaria farinosa
2557 Beauveria bassiana
2558 Zoophthora radicans
2559 Beauveria bassiana
2560 Metarhizium robertsii
2561 Metarhizium robertsii
2562 Leptolegnia chapmanii
2563 Unidentified sp.
2564 Isaria farinosa
2567 Beauveria caledonica
2568 Fusarium sp.
2569 Fusarium sp.
2570 Beauveria bassiana
2571 Beauveria bassiana
2572 Beauveria bassiana
2573 Beauveria bassiana
2574 Metarhizium anisopliae sensu lato
2575 Metarhizium robertsii
2576 Isaria farinosa
2577 Isaria farinosa
2578 Isaria farinosa
2579 Beauveria bassiana
2580 Beauveria bassiana
2581 Hirsutella sp.
2583 Pandora neoaphidis
2584 Pandora neoaphidis
2585 Pandora neoaphidis
2587 Pandora neoaphidis
2588 Pandora neoaphidis
2589 Pandora neoaphidis
2591 Pandora neoaphidis
2592 Pandora neoaphidis
2593 Pandora neoaphidis
2594 Pandora neoaphidis
2595 Fusarium sp.
2596 Metarhizium globosum
2597 Beauveria bassiana
2598 Hirsutella citriformis
2599 Hirsutella verticillioides
2600 Zoophthora radicans
2601 Zoophthora radicans
2613 Evlachovaea sp.
2614 Evlachovaea sp.
2615 Evlachovaea sp.
2616 Paecilomyces sp.
2617 Paecilomyces sp.
2618 Paecilomyces sp.
2619 Beauveria bassiana
2620 Evlachovaea sp.
2621 Beauveria bassiana
2622 Culicinomyces clavisporus
2624 Beauveria bassiana
2625 Beauveria bassiana
2626 Beauveria bassiana
2627 Metarhizium anisopliae sensu stricto
2628 Metarhizium anisopliae sensu lato
2629 Beauveria bassiana
2630 Beauveria bassiana
2631 Beauveria bassiana
2632 Beauveria bassiana
2633 Beauveria bassiana
2634 Metarhizium anisopliae sensu lato
2635 Metarhizium anisopliae sensu lato
2636 Beauveria bassiana
2637 Beauveria bassiana
2638 Beauveria bassiana
2639 Beauveria bassiana
2640 Unidentified sp.
2641 Beauveria amorpha
2642 Beauveria bassiana
2643 Penicillium sp.
2644 Hirsutella sp.
2645 Hirsutella sp.
2646 Hirsutella sp.
2647 Hirsutella sp.
2648 Hirsutella sp.
2649 Hirsutella sp.
2650 Hirsutella sp.
2651 Hirsutella sp.
2652 Hirsutella sp.
2653 Hirsutella sp.
2654 Hirsutella sp.
2655 Hirsutella sp.
2656 Hirsutella sp.
2657 Hirsutella sp.
2658 Isaria fumosorosea
2659 Lecanicillium muscarium
2660 Beauveria brongniartii
2661 Entomophaga maimaiga
2663 Erynia sp.
2664 Erynia sp.
2665 Entomophthora muscae
2666 Zoophthora radicans
2667 Entomophthora schizophorae
2668 Entomophthora muscae
2670 Entomophthora muscae
2671 Eryniopsis ptychopterae
2672 Conidiobolus sp.
2673 Entomophthora muscae
2674 Entomophthora muscae
2675 Entomophthora muscae

2676 Beauveria bassiana
2677 Neozygites tetranychi
2678 Entomophthora muscae
2679 Isaria fumosorosea
2680 Leptolegnia chapmanii
2681 Leptolegnia chapmanii
2682 Leptolegnia chapmanii
2683 Ascosphaera apis
2684 Tolypocladium geodes
2685 Beauveria bassiana
2686 Beauveria bassiana
2687 Beauveria bassiana
2688 Beauveria bassiana
2689 Beauveria bassiana
2690 Beauveria bassiana
2691 Beauveria bassiana
2692 Beauveria bassiana
2693 Beauveria bassiana
2694 Beauveria varroae
2695 Beauveria bassiana
2696 Zoophthora radicans
2697 Zoophthora radicans
2698 Zoophthora radicans
2699 Zoophthora radicans
2700 Zoophthora radicans
2701 Zoophthora radicans
2702 Zoophthora radicans
2703 Zoophthora radicans
2704 Zoophthora radicans
2705 Zoophthora radicans
2706 Zoophthora radicans
2707 Zoophthora radicans
2708 Zoophthora radicans
2709 Zoophthora radicans
2710 Zoophthora radicans
2711 Zoophthora radicans
2712 Zoophthora radicans
2713 Zoophthora radicans
2714 Zoophthora radicans
2715 Conidiobolus coronatus
2716 Zoophthora radicans
2717 Zoophthora radicans
2718 Zoophthora radicans
2719 Zoophthora radicans
2720 Zoophthora radicans
2721 Entomophaga praxibuli
2722 Beauveria bassiana
2723 Beauveria bassiana
2724 Isaria farinosa
2725 Beauveria bassiana
2726 Isaria farinosa
2727 Beauveria bassiana
2728 Beauveria bassiana
2729 Beauveria bassiana
2730 Conidiobolus coronatus
2731 Conidiobolus firmipilleus
2732 Zoophthora radicans
2733 Isaria fumosorosea
2734 Isaria fumosorosea
2735 Metarhizium pingshaense
2736 Fusarium sp.
2737 Beauveria bassiana
2738 Mixed Culture sp.
2739 Beauveria bassiana
2740 Mixed Culture sp.
2741 Myrothecium verrucaria
2742 Metarhizium brunneum
2743 Fusarium sp.
2744 Isaria fumosorosea
2745 Isaria fumosorosea
2746 Unidentified sp.
2747 Penicillium sp.
2748 Beauveria bassiana
2749 Isaria fumosorosea
2751 Beniowskia sp.
2752 Geotrichum sp.
2754 Pandora neoaphidis
2755 Pandora neoaphidis
2756 Pandora neoaphidis
2757 Pandora neoaphidis
2758 Pandora neoaphidis
2760 Pandora neoaphidis
2761 Pandora neoaphidis
2762 Pandora neoaphidis
2763 Pandora neoaphidis
2764 Metarhizium brunneum
2765 Aspergillus sp.
2766 Pandora neoaphidis
2767 Pandora neoaphidis
2768 Pandora neoaphidis
2769 Pandora neoaphidis
2771 Conidiobolus sp.
2772 Conidiobolus sp.
2773 Pandora neoaphidis
2775 Entomophaga maimaiga
2776 Fusarium sp.
2777 Tolypocladium cylindrosporum
2778 Tolypocladium cylindrosporum
2779 Entomophaga maimaiga
2780 Entomophaga maimaiga
2781 Pandora neoaphidis
2782 Pandora neoaphidis
2783 Pandora neoaphidis
2784 Pandora neoaphidis
2786 Metarhizium anisopliae sensu stricto
2787 Basidiobolus ranarum
2788 Hirsutella rhossiliensis
2789 Hirsutella rhossiliensis
2790 Hirsutella rhossiliensis
2791 Hirsutella rhossiliensis
2792 Hirsutella rhossiliensis
2793 Hirsutella rhossiliensis
2794 Hirsutella rhossiliensis
2795 Hirsutella sp.
2796 Hirsutella sp.
2797 Hirsutella sp.
2798 Hirsutella sp.
2799 Hirsutella sp.
2800 Hirsutella thompsonii
2801 Hirsutella sp.
2802 Hirsutella sp.
2803 Hirsutella sp.
2804 Isaria fumosorosea
2805 Metarhizium anisopliae sensu lato
2806 Metarhizium anisopliae sensu lato
2807 Isaria farinosa
2808 Metarhizium majus
2809 Metarhizium pingshaense
2810 Mixed Culture sp.
2811 Zoophthora radicans
2812 Conidiobolus coronatus
2813 Conidiobolus coronatus
2814 Conidiobolus coronatus
2815 Conidiobolus sp.
2816 Conidiobolus sp.
2817 Aspergillus sp.
2818 Aspergillus flavus
2819 Conidiobolus sp.
2820 Aspergillus sp.
2821 Unidentified sp.
2822 Isaria farinosa
2824 Pandora blunckii
2828 Conidiobolus thromboides
2829 Conidiobolus thromboides
2831 Beauveria bassiana
2832 Lecanicillium sp. 2(?)
2833 Aspergillus ochraceus
2834 Penicillium sp.
2835 Isaria farinosa
2836 Penicillium sp.
2837 Pandora neoaphidis
2838 Pandora neoaphidis
2839 Pandora neoaphidis
2840 Pandora neoaphidis
2841 Zoophthora occidentalis
2842 Pandora neoaphidis
2843 Entomophaga aulicae
2844 Pandora neoaphidis
2845 Pandora neoaphidis
2846 Pandora neoaphidis
2847 Pandora neoaphidis
2848 Pandora neoaphidis
2849 Conidiobolus thromboides
2850 Conidiobolus thromboides
2851 Pandora neoaphidis
2852 Pandora neoaphidis
2853 Pandora neoaphidis
2854 Pandora neoaphidis
2855 Pandora neoaphidis
2856 Pandora neoaphidis
2857 Beauveria bassiana
2858 Lecanicillium muscarium
2859 Verticillium lecanii
2860 Beauveria bassiana
2861 Beauveria bassiana
2862 Lecanicillium muscarium
2863 Stachybotrys sp.
2864 Beauveria bassiana
2865 Pandora neoaphidis
2866 Pandora neoaphidis
2867 Pandora neoaphidis
2868 Pandora neoaphidis
2869 Beauveria bassiana
2870 Pandora neoaphidis
2872 Pandora neoaphidis
2873 Pandora neoaphidis
2874 Pandora neoaphidis
2875 Pandora neoaphidis
2876 Pandora neoaphidis
2877 Lecanicillium muscarium
2878 Lecanicillium muscarium
2879 Beauveria bassiana
2880 Beauveria bassiana
2881 Beauveria bassiana
2882 Beauveria bassiana
2883 Beauveria bassiana
2893 Zoophthora radicans
2894 Hirsutella rhossiliensis
2896 Entomophaga aulicae
2897 Entomophaga aulicae
2898 Entomophaga aulicae
2899 Entomophaga aulicae
2900 Entomophaga aulicae
2901 Entomophaga aulicae
2902 Entomophaga aulicae
2903 Entomophaga aulicae
2904 Entomophaga aulicae
2905 Entomophaga aulicae
2906 Furia gastropachae
2909 Sporothrix insectorum

2910 Akanthomyces gracilis
2911 Tolypocladium cylindrosporum
2912 Tolypocladium cylindrosporum
2913 Pseudogibellula formicarum
2914 Conidiobolus thromboides
2915 Stilbella buquetii
2916 Verticillium lecanii
2917 Stilbella buquetii
2918 Sporothrix insectorum
2919 Akanthomyces gracilis
2920 Tolypocladium cylindrosporum
2921 Tolypocladium extinguens
2922 Beauveria vermiconia
2923 Lecanicillium muscarium
2924 Conidiobolus sp.
2925 Conidiobolus sp.
2926 Conidiobolus sp.
2927 Conidiobolus sp.
2928 Conidiobolus sp.
2929 Engyodontium aranearum
2930 Mariannaea sp.
2931 Hirsutella rhossiliensis
2932 Hirsutella rhossiliensis
2933 Hirsutella rhossiliensis
2934 Drechslerella dactyloides
2935 Engyodontium aranearum
2936 Batkoa major
2937 Isaria farinosa
2938 Beauveria bassiana
2939 Hirsutella sp.
2940 Hirsutella sp.
2941 Metarhizium anisopliae sensu lato
2942 Beauveria bassiana
2943 Beauveria bassiana
2944 Beauveria bassiana
2945 Beauveria bassiana
2946 Beauveria bassiana
2948 Metarhizium flavoviride 'Type E'
2949 Metarhizium anisopliae sensu lato
2950 Penicillium sp.
2951 Metarhizium anisopliae sensu lato
2952 Purpureocillium lilacinum
2953 Beauveria bassiana
2954 Isaria farinosa
2955 Conidiobolus thromboides
2956 Isaria fumosorosea
2957 Beauveria bassiana
2958 Isaria amoenerosea
2959 Isaria amoenerosea
2960 Isaria amoenerosea
2961 Beauveria bassiana
2962 Beauveria bassiana
2963 Entomophaga praxibuli
2964 Entomophaga praxibuli
2965 Entomophaga praxibuli
2966 Entomophaga praxibuli
2967 Entomophaga praxibuli
2968 Entomophaga praxibuli
2969 Entomophaga praxibuli
2970 Entomophaga praxibuli
2971 Isaria farinosa
2972 Beauveria bassiana
2974 Metarhizium brunneum
2975 Isaria farinosa
2976 Beauveria bassiana
2977 Zoophthora radicans
2978 Zoophthora radicans
2979 Zoophthora radicans
2980 Zoophthora radicans
2981 Metarhizium robertsii
2982 Metarhizium robertsii
2983 Beauveria bassiana
2984 Beauveria bassiana
2985 Beauveria bassiana
2986 Beauveria bassiana
2987 Beauveria bassiana
2988 Beauveria bassiana
2989 Beauveria bassiana
2990 Beauveria bassiana
2991 Beauveria bassiana
2992 Hirsutella sp.
2993 Hirsutella guyana
2994 Zoophthora radicans
2995 Zoophthora radicans
2996 Zoophthora radicans
2997 Beauveria pseudobassiana
2998 Beauveria sp.
2999 Unidentified / Hyphomycetes
3000 Lecanicillium muscarium
3001 Gliocladium roseum
3002 Zoophthora radicans
3003 Zoophthora radicans
3004 Zoophthora radicans
3005 Zoophthora radicans
3006 Zoophthora radicans
3007 Zoophthora radicans
3008 Zoophthora radicans
3009 Zoophthora radicans
3010 Zoophthora radicans
3011 Zoophthora radicans
3012 Zoophthora radicans
3013 Zoophthora radicans
3014 Aschersonia sp.
3015 Aschersonia sp.
3016 Entomophaga aulicae
3017 Isaria farinosa
3018 Beauveria bassiana
3019 Beauveria bassiana
3020 Beauveria bassiana
3021 Zoophthora radicans
3022 Zoophthora radicans
3023 Zoophthora radicans
3024 Zoophthora radicans
3026 Zoophthora radicans
3027 Zoophthora occidentalis
3028 Zoophthora occidentalis
3029 Zoophthora occidentalis
3030 Fusarium sp.
3031 Fusarium sp.
3032 Fusarium sp.
3035 Pochonia bulbillosa(?)
3036 Penicillium sp.
3037 Beauveria bassiana
3039 Entomophaga aulicae
3040 Beauveria bassiana
3041 Beauveria bassiana
3042 Fusarium sp.
3043 Metarhizium robertsii
3044 Metarhizium pingshaense
3045 Metarhizium brunneum
3047 Purpureocillium lilacinum
3048 Aspergillus sp.
3049 Purpureocillium lilacinum
3051 Fusarium sp.
3052 Entomophaga maimaiga
3053 Entomophaga maimaiga
3054 Beauveria brongniartii
3055 Beauveria bassiana
3056 Metarhizium anisopliae sensu lato
3057 Metarhizium anisopliae sensu lato
3058 Entomophaga praxibuli
3059 Entomophaga praxibuli
3060 Entomophaga praxibuli
3061 Entomophaga praxibuli
3062 Pandora delphacis
3063 Beauveria bassiana
3064 Metarhizium anisopliae sensu lato
3065 Beauveria bassiana
3066 Beauveria bassiana
3068 Entomophaga praxibuli
3069 Entomophaga praxibuli
3070 Beauveria bassiana
3071 Zoophthora occidentalis
3072 Pandora delphacis
3073 Zoophthora occidentalis
3074 Entomophthora muscae
3075 Pandora blunckii
3076 Isaria fumosorosea
3077 Entomophaga macleodii
3078 Entomophaga macleodii
3079 Entomophaga macleodii
3080 Batkoa apiculata
3081 Pandora neoaphidis
3082 Pandora neoaphidis
3083 Isaria fumosorosea
3084 Trichoderma sp.
3085 Cladosporium cladosporioides
3086 Beauveria bassiana
3087 Conidiobolus coronatus
3088 Batkoa apiculata
3089 Conidiobolus obscurus
3090 Conidiobolus obscurus
3091 Batkoa apiculata
3092 Conidiobolus obscurus
3093 Pandora delphacis
3094 Pandora delphacis
3095 Pandora delphacis
3096 Pandora delphacis
3097 Beauveria bassiana
3098 Beauveria bassiana
3099 Conidiobolus coronatus
3101 Paecilomyces sp.
3102 Batkoa major
3103 Batkoa major
3104 Zoophthora radicans
3105 Zoophthora radicans
3106 Pandora delphacis
3107 Pandora delphacis
3108 Metarhizium robertsii
3109 Conidiobolus coronatus
3110 Entomophaga maimaiga
3111 Beauveria bassiana
3112 Beauveria bassiana
3113 Beauveria bassiana
3114 Zoophthora radicans
3115 Zoophthora radicans
3116 Zoophthora radicans
3117 Zoophthora radicans
3118 Zoophthora radicans
3119 Zoophthora radicans
3120 Beauveria bassiana
3121 Beauveria bassiana
3122 Unidentified sp.
3123 Unidentified sp.
3124 Unidentified sp.
3125 Unidentified sp.
3126 Pandora neoaphidis
3127 Metarhizium anisopliae sensu lato
3128 Unidentified sp.
3129 Conidiobolus thromboides

3131 Batkoa sp.
3132 Conidiobolus obscurus
3133 Conidiobolus obscurus
3134 Conidiobolus obscurus
3135 Conidiobolus obscurus
3136 Batkoa apiculata
3137 Conidiobolus obscurus
3138 Conidiobolus obscurus
3139 Conidiobolus obscurus
3140 Batkoa apiculata
3141 Conidiobolus obscurus
3142 Unidentified / Hyphomycetes
3143 Aspergillus niger
3144 Aspergillus flavus
3145 Metarhizium anisopliae var. majus
3146 Metarhizium anisopliae sensu lato
3147 Metarhizium anisopliae sensu lato
3148 Metarhizium anisopliae sensu lato
3149 Zoophthora radicans
3150 Zoophthora radicans
3151 Zoophthora radicans
3152 Isaria farinosa
3153 Beauveria bassiana
3154 Beauveria bassiana
3155 Beauveria bassiana
3156 Beauveria bassiana
3157 Beauveria bassiana
3158 Beauveria bassiana
3159 Zoophthora radicans
3160 Zoophthora radicans
3161 Zoophthora radicans
3162 Zoophthora radicans
3163 Zoophthora radicans
3164 Zoophthora radicans
3165 Zoophthora radicans
3166 Beauveria bassiana
3167 Beauveria bassiana
3168 Beauveria bassiana
3169 Beauveria bassiana
3170 Zoophthora radicans
3171 Zoophthora radicans
3172 Zoophthora radicans
3173 Haptocillium balanoides
3174 Pandora neoaphidis
3175 Pandora neoaphidis
3176 Aspergillus sp.
3177 Isaria fumosorosea
3178 Mixed Culture sp.
3179 Isaria fumosorosea
3180 Metarhizium pingshaense
3181 Beauveria bassiana
3182 Mixed Culture sp.
3183 Isaria farinosa
3184 Isaria farinosa
3185 Isaria farinosa
3186 Isaria farinosa
3187 Metarhizium anisopliae sensu stricto
3188 Isaria fumosorosea
3189 Scopulariopsis sp.
3190 Metarhizium anisopliae sensu lato
3191 Isaria farinosa
3192 Isaria amoenerosea
3193 Metarhizium pingshaense
3194 Metarhizium anisopliae sensu lato
3195 Aspergillus sp.
3196 Metarhizium anisopliae sensu lato
3197 Beauveria bassiana
3198 Beauveria bassiana
3199 Beauveria bassiana
3200 Pandora blunckii
3201 Pandora sp.
3202 Pandora blunckii
3203 Scopulariopsis sp.
3204 Zoophthora radicans
3205 Zoophthora radicans
3206 Zoophthora radicans
3207 Hirsutella rhossiliensis
3208 Conidiobolus sp.
3209 Unidentified sp.
3210 Metarhizium pingshaense
3211 Metarhizium robertsii
3212 Entomophaga aulicae
3213 Zoophthora radicans
3214 Zoophthora radicans
3215 Beauveria bassiana
3216 Beauveria pseudobassiana
3217 Zoophthora radicans
3218 Fusarium acuminatum
3219 Beauveria bassiana
3220 Beauveria pseudobassiana
3221 Isaria farinosa
3222 Conidiobolus coronatus
3223 Fusarium moniliforme var. intermedium
3225 Batkoa apiculata
3226 Batkoa apiculata
3227 Unidentified sp.
3228 Unidentified sp.
3229 Erynia curvispora
3230 Unidentified sp.
3231 Unidentified sp.
3232 Unidentified sp.
3233 Unidentified sp.
3234 Pandora neoaphidis
3235 Unidentified sp.
3236 Unidentified sp.
3237 Pandora neoaphidis
3238 Pandora neoaphidis
3239 Unidentified sp.
3240 Pandora neoaphidis
3241 Pandora neoaphidis
3242 Unidentified sp.
3243 Unidentified sp.
3244 Erynia curvispora
3245 Unidentified sp.
3246 Unidentified sp.
3247 Unidentified sp.
3248 Pandora neoaphidis
3249 Pandora neoaphidis
3250 Pandora neoaphidis
3251 Pandora neoaphidis
3252 Mariannaea sp.
3253 Lecanicillium sp.
3254 Lecanicillium sp.
3255 Lecanicillium sp.
3257 Mariannaea sp.
3258 Mariannaea sp.
3259 Lecanicillium sp.
3260 Lecanicillium sp.
3261 Mariannaea sp.
3262 Mariannaea sp.
3263 Mariannaea sp.
3264 Mariannaea sp.
3265 Mariannaea sp.
3266 Hirsutella sp.
3267 Mariannaea sp.
3268 Mariannaea sp.
3269 Mariannaea sp.
3270 Mariannaea sp.
3271 Tolypocladium geodes
3272 Tolypocladium geodes
3273 Tolypocladium geodes
3274 Tolypocladium geodes
3275 Tolypocladium geodes
3276 Tolypocladium geodes
3277 Tolypocladium inflatum
3278 Tolypocladium inflatum
3279 Tolypocladium inflatum
3280 Tolypocladium inflatum
3281 Tolypocladium inflatum
3282 Strongwellsea castrans
3283 Zoophthora radicans
3284 Zoophthora radicans
3285 Beauveria bassiana
3286 Beauveria bassiana
3287 Beauveria bassiana
3288 Beauveria bassiana
3289 Beauveria sp.
3290 Metarhizium anisopliae sensu lato
3291 Metarhizium anisopliae sensu lato
3292 Metarhizium anisopliae sensu lato
3293 Metarhizium anisopliae sensu lato
3294 Metarhizium brunneum
3295 Metarhizium brunneum
3296 Fusarium sp.
3297 Metarhizium brunneum
3298 Unidentified sp.
3299 Unidentified sp.
3300 Fusarium sp.
3301 Nomuraea rileyi
3302 Isaria fumosorosea
3303 Isaria javanica
3304 Unidentified sp.
3305 Metarhizium anisopliae sensu lato
3306 Metarhizium anisopliae sensu lato
3307 Metarhizium anisopliae sensu lato
3308 Metarhizium anisopliae sensu lato
3309 Beauveria bassiana
3310 Beauveria bassiana
3311 Beauveria bassiana
3312 Beauveria bassiana
3313 Isaria fumosorosea
3314 Pochonia chlamydosporia
3315 Mariannaea sp.
3316 Mariannaea sp.
3317 Mariannaea sp.
3318 Hirsutella sp.
3319 Unidentified sp.
3320 Tolypocladium inflatum
3321 Tolypocladium inflatum
3322 Isaria fumosorosea
3323 Hirsutella thompsonii
3324 Lecanicillium muscarium
3325 Aspergillus ochraceus
3326 Lagenidium giganteum
3327 Lagenidium giganteum
3329 Metarhizium anisopliae sensu lato
3330 Metarhizium anisopliae sensu lato
3331 Metarhizium anisopliae sensu lato
3332 Metarhizium anisopliae sensu lato
3333 Metarhizium anisopliae sensu lato
3334 Metarhizium anisopliae sensu lato
3335 Metarhizium anisopliae sensu lato
3336 Metarhizium anisopliae sensu lato
3337 Metarhizium anisopliae sensu lato
3338 Metarhizium anisopliae sensu lato
3339 Metarhizium anisopliae sensu lato
3340 Metarhizium anisopliae sensu lato
3341 Metarhizium acridum
3342 Zoophthora phytonomi

3343 Zoophthora phytonomi
3344 Zoophthora phytonomi
3345 Fusarium sp.
3346 Drechmeria coniospora
3347 Arthrobotrys oligospora
3348 Monacrosporium ellipsosporum
3349 Monacrosporium cionopagum
3350 Haptocillium balanoides
3351 Nematoctonus sp.
3354 Drechmeria coniospora
3355 Zoophthora radicans
3356 Entomophaga praxibuli
3357 Entomophaga praxibuli
3358 Entomophaga praxibuli
3359 Conidiobolus thromboides
3360 Conidiobolus thromboides
3361 Conidiobolus thromboides
3362 Conidiobolus thromboides
3363 Conidiobolus thromboides
3364 Conidiobolus thromboides
3365 Pandora neoaphidis
3366 Pandora neoaphidis
3367 Pandora neoaphidis
3368 Unidentified sp.
3369 Arthrobotrys oligospora var. oligospora
3370 Arthrobotrys oligospora var. oligospora
3371 Drechslerella dactyloides
3372 Drechslerella dactyloides
3373 Drechslerella dactyloides
3374 Unidentified sp.
3375 Cladosporium cladosporioides
3376 Zoophthora radicans
3377 Zoophthora radicans
3378 Unidentified sp.
3379 Conidiobolus coronatus
3380 Unidentified sp.
3381 Unidentified sp.
3382 Fusarium sp.
3383 Conidiobolus sp.
3384 Conidiobolus sp.
3385 Beauveria bassiana
3386 Beauveria bassiana
3387 Lecanicillium lecanii
3388 Metarhizium robertsii
3389 Metarhizium anisopliae sensu lato
3390 Zoophthora radicans
3391 Metarhizium acridum
3392 Tolypocladium cylindrosporum
3393 Tolypocladium cylindrosporum
3394 Tolypocladium inflatum
3395 Tolypocladium inflatum
3396 Tolypocladium inflatum
3398 Tolypocladium inflatum
3399 Tolypocladium tundrense
3400 Tolypocladium tundrense
3401 Tolypocladium tundrense
3402 Conidiobolus sp.
3403 Beauveria bassiana
3404 Beauveria bassiana
3405 Beauveria pseudobassiana
3406 Conidiobolus sp.
3407 Conidiobolus sp.
3408 Isaria fumosorosea
3409 Conidiobolus sp.
3410 Pandora neoaphidis
3411 Pandora neoaphidis
3412 Pandora neoaphidis
3413 Unidentified sp.
3414 Conidiobolus coronatus
3415 Conidiobolus coronatus
3416 Lecanicillium psalliotae
3417 Unidentified sp.
3418 Lecanicillium muscarium
3419 Unidentified sp.
3420 Unidentified sp.
3421 Unidentified sp.
3422 Unidentified sp.
3423 Unidentified sp.
3424 Unidentified sp.
3425 Unidentified sp.
3426 Unidentified sp.
3427 Unidentified sp.
3428 Unidentified sp.
3429 Isaria fumosorosea
3430 Aspergillus flavus
3431 Tolypocladium microsporum
3432 Tolypocladium inflatum
3433 Tolypocladium inflatum
3434 Tolypocladium nubicola
3435 Tolypocladium nubicola
3436 Tolypocladium parasiticum
3437 Beauveria bassiana
3438 Beauveria bassiana
3439 Beauveria bassiana
3440 Beauveria bassiana
3441 Beauveria bassiana
3442 Beauveria bassiana
3443 Beauveria bassiana
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3446 Beauveria bassiana
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3453 Beauveria bassiana
3454 Beauveria bassiana
3455 Beauveria bassiana
3456 Beauveria bassiana
3457 Beauveria bassiana
3458 Isaria fumosorosea
3459 Pandora neoaphidis
3460 Beauveria bassiana
3461 Isaria farinosa
3462 Beauveria bassiana
3463 Cladosporium cladosporioides
3464 Lecanicillium muscarium
3466 Unidentified sp.
3467 Unidentified sp.
3468 Unidentified sp.
3469 Purpureocillium lilacinum
3470 Unidentified sp.
3471 Unidentified sp.
3472 Mixed Culture sp.
3473 Unidentified sp.
3474 Unidentified sp.
3475 Unidentified sp.
3476 Unidentified sp.
3477 Beauveria bassiana
3478 Unidentified sp.
3479 Metarhizium anisopliae sensu lato
3480 Isaria fumosorosea
3481 Purpureocillium lilacinum
3482 Hirsutella thompsonii
3483 Fusarium torulosum
3484 Pandora delphacis
3485 Strongwellsea castrans
3486 Zoophthora sp.
3487 Zoophthora sp.
3488 Zoophthora sp.
3490 Isaria farinosa
3491 Isaria farinosa
3492 Isaria farinosa
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3506 Isaria farinosa
3507 Isaria farinosa
3508 Isaria farinosa
3509 Hirsutella brownorum
3510 Beauveria sp.
3511 Purpureocillium lilacinum
3512 Purpureocillium lilacinum
3513 Beauveria bassiana
3514 Beauveria bassiana
3515 Beauveria bassiana
3516 Beauveria bassiana
3517 Isaria farinosa
3518 Isaria farinosa
3519 Isaria farinosa
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3524 Isaria farinosa
3525 Isaria farinosa
3526 Isaria farinosa
3527 Beauveria bassiana
3528 Beauveria bassiana
3529 Beauveria pseudobassiana
3530 Beauveria bassiana
3531 Lecanicillium muscarium
3532 Fusarium sp.
3533 Isaria farinosa
3534 Beauveria bassiana
3535 Mucor sp.
3536 Unidentified sp.
3537 Isaria farinosa
3538 Isaria farinosa
3539 Pochonia chlamydosporia
3540 Metarhizium robertsii
3541 Metarhizium anisopliae sensu lato
3542 Metarhizium anisopliae sensu lato
3543 Beauveria bassiana
3544 Metarhizium anisopliae sensu lato
3545 Paecilomyces sp.
3546 Hirsutella sp.
3547 Verticillium sp.
3548 Hirsutella sp.
3549 Mariannaea sp.
3550 Verticillium sp.
3551 Verticillium sp.
3552 Verticillium sp.
3553 Hirsutella sp.
3554 Mariannaea sp.
3555 Mariannaea sp.

3556 Verticillium sp.
3557 Mariannaea sp.
3558 Mariannaea sp.
3559 Mariannaea sp.
3560 Unidentified sp.
3561 Verticillium sp.
3562 Mariannaea sp.
3563 Mariannaea sp.
3564 Isaria farinosa
3565 Metarhizium anisopliae sensu lato
3566 Paecilomyces sp.
3567 Unidentified sp.
3568 Unidentified sp.
3569 Unidentified sp.
3570 Unidentified sp.
3571 Unidentified sp.
3572 Isaria farinosa
3573 Isaria javanica
3574 Isaria farinosa
3575 Isaria farinosa
3576 Isaria farinosa
3577 Isaria javanica
3578 Isaria farinosa
3579 Isaria farinosa
3580 Isaria farinosa
3581 Isaria fumosorosea
3582 Isaria farinosa
3583 Isaria farinosa
3584 Isaria farinosa
3585 Isaria farinosa
3586 Isaria farinosa
3587 Isaria farinosa
3588 Isaria farinosa
3589 Isaria farinosa
3590 Isaria fumosorosea
3591 Isaria farinosa
3592 Isaria farinosa
3593 Isaria farinosa
3594 Isaria fumosorosea
3595 Isaria farinosa
3596 Isaria farinosa
3597 Isaria farinosa
3598 Isaria farinosa
3599 Isaria farinosa
3600 Lecanicillium muscarium
3601 Lecanicillium muscarium
3602 Entomophaga aulicae
3603 Metarhizium guizhouense
3604 Metarhizium pingshaense
3605 Metarhizium anisopliae sensu lato
3606 Metarhizium anisopliae var. acridum
3607 Beauveria bassiana
3608 Metarhizium robertsii
3609 Metarhizium acridum
3610 Metarhizium pingshaense
3611 Metarhizium guizhouense
3612 Metarhizium acridum
3613 Metarhizium sp.
3614 Metarhizium anisopliae var. acridum
3615 Metarhizium sp.
3616 Metarhizium sp.
3617 Metarhizium sp.
3618 Metarhizium sp.
3619 Metarhizium anisopliae sensu lato
3620 Beauveria bassiana
3621 Metarhizium anisopliae sensu stricto
3622 Beauveria bassiana
3623 Zoophthora radicans
3624 Unidentified sp.
3625 Unidentified sp.
3626 Unidentified sp.
3627 Unidentified sp.
3628 Unidentified sp.
3629 Unidentified sp.
3630 Unidentified sp.
3631 Unidentified sp.
3632 Unidentified sp.
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3648 Unidentified sp.
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3651 Unidentified sp.
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3653 Unidentified sp.
3655 Unidentified sp.
3656 Unidentified sp.
3657 Unidentified sp.
3658 Isaria farinosa
3659 Isaria farinosa
3660 Isaria fumosorosea
3661 Isaria farinosa
3662 Isaria fumosorosea
3663 Isaria fumosorosea
3664 Isaria farinosa
3665 Isaria farinosa
3666 Isaria farinosa
3667 Beauveria bassiana
3668 Fusarium sp.
3669 Fusarium sp.
3670 Fusarium sp.
3671 Fusarium sp.
3672 Fusarium sp.
3673 Fusarium sp.
3674 Fusarium sp.
3675 Fusarium sp.
3676 Fusarium sp.
3677 Fusarium sp.
3678 Fusarium sp.
3679 Fusarium sp.
3680 Aphanocladium album
3681 Beauveria bassiana
3682 Isaria fumosorosea
3683 Lecanicillium lecanii
3684 Lecanicillium muscarium
3685 Lecanicillium muscarium
3686 Lecanicillium muscarium
3687 Lecanicillium muscarium(?)
3688 Lecanicillium lecanii
3689 Lecanicillium lecanii(?)
3690 Lecanicillium muscarium
3691 Lecanicillium muscarium
3692 Fusarium polyphialidicum
3693 Fusarium polyphialidicum
3694 Fusarium polyphialidicum
3695 Fusarium polyphialidicum
3696 Fusarium polyphialidicum
3697 Zoophthora radicans
3698 Aspergillus sp.
3699 Isaria fumosorosea
3700 Isaria fumosorosea
3701 Lecanicillium longisporum
3702 Sterile mycelium
3703 Sterile mycelium
3704 Fusarium sp.
3705 Sterile mycelium
3706 Cladosporium sp.
3707 Fusarium sp.
3708 Trichothecium roseum
3709 Lecanicillium muscarium
3710 Sterile mycelium
3711 Sterile mycelium
3712 Sterile mycelium
3713 Metarhizium anisopliae sensu lato
3714 Unidentified sp.
3715 Verticillium insectorum
3716 Beauveria bassiana
3717 Beauveria bassiana
3718 Cordyceps sp.
3719 Unidentified sp.
3720 Metarhizium anisopliae sensu lato
3721 Metarhizium robertsii
3722 Unidentified sp.
3723 Monacrosporium ellipsosporum
3724 Unidentified sp.
3725 Sterile mycelium
3726 Unidentified sp.
3727 Unidentified sp.
3728 Unidentified sp.
3729 Unidentified sp.
3730 Arthrobotrys musiformis
3731 Monacrosporium ellipsosporum
3732 Arthrobotrys oligospora
3733 Drechslerella dactyloides
3734 Beauveria bassiana
3735 Sterile mycelium
3736 Podonectria coccicola
3737 Zoophthora radicans
3738 Metarhizium brunneum
3739 Unidentified sp.
3740 Lecanicillium muscarium
3741 Verticillium lecanii
3742 Verticillium lecanii
3743 Verticillium lecanii
3744 Hirsutella rhossiliensis
3745 Hirsutella rhossiliensis
3746 Hirsutella rhossiliensis
3747 Hirsutella rhossiliensis
3748 Hirsutella rhossiliensis
3750 Hirsutella rhossiliensis
3751 Hirsutella rhossiliensis
3752 Hirsutella rhossiliensis
3753 Hirsutella rhossiliensis
3754 Hirsutella rhossiliensis
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3757 Hirsutella rhossiliensis
3758 Hirsutella rhossiliensis
3759 Hirsutella rhossiliensis
3760 Hirsutella rhossiliensis
3761 Hirsutella rhossiliensis
3762 Entomophaga maimaiga
3763 Conidiobolus sp.
3764 Basidiobolus sp.
3765 Hirsutella rhossiliensis
3766 Unidentified sp.
3767 Metarhizium sp.

3768 Paecilomyces sp.
3769 Beauveria bassiana
3770 Verticillium lecanii
3771 Isaria farinosa
3772 Paecilomyces sp.
3773 Unidentified sp.
3774 Paecilomyces sp.
3775 Paecilomyces sp.
3776 Isaria javanica
3777 Paecilomyces sp.
3778 Isaria javanica
3779 Unidentified sp.
3780 Paecilomyces sp.
3781 Paecilomyces sp.
3782 Paecilomyces sp.
3783 Paecilomyces sp.
3784 Paecilomyces sp.
3785 Paecilomyces sp.
3786 Paecilomyces sp.
3787 Paecilomyces sp.
3788 Paecilomyces sp.
3790 Tolypocladium inflatum
3791 Fusarium sp.
3792 Cladosporium herbarum
3793 Unidentified sp.
3794 Unidentified sp.
3796 Unidentified sp.
3797 Unidentified sp.
3798 Unidentified sp.
3799 Unidentified sp.
3800 Isaria fumosorosea
3801 Unidentified sp.
3802 Unidentified sp.
3803 Unidentified sp.
3804 Unidentified sp.
3805 Unidentified sp.
3806 Unidentified sp.
3807 Unidentified sp.
3818 Beauveria bassiana
3819 Beauveria bassiana
3820 Unidentified / Hyphomycetes
3821 Unidentified sp.
3822 Metarhizium anisopliae sensu lato
3824 Isaria fumosorosea
3825 Beauveria bassiana
3826 Metarhizium brunneum
3827 Metarhizium anisopliae sensu lato
3828 Entomophaga maimaiga
3829 Entomophaga maimaiga
3830 Entomophaga maimaiga
3831 Entomophaga maimaiga
3832 Entomophaga maimaiga
3833 Entomophaga maimaiga
3834 Entomophaga maimaiga
3835 Entomophaga maimaiga
3836 Lecanicillium muscarium
3837 Lecanicillium muscarium
3838 Lecanicillium muscarium
3839 Lecanicillium muscarium
3840 Verticillium lecanii
3841 Unidentified sp.
3842 Unidentified sp.
3843 Isaria fumosorosea
3844 Unidentified sp.
3845 Unidentified sp.
3846 Purpureocillium lilacinum
3847 Unidentified sp.
3848 Isaria fumosorosea
3849 Unidentified sp.
3850 Unidentified sp.
3851 Isaria fumosorosea
3852 Isaria fumosorosea
3853 Paecilomyces sp.
3854 Purpureocillium lilacinum
3855 Paecilomyces marquandii
3857 Isaria fumosorosea
3858 Beauveria bassiana
3859 Beauveria sp.
3860 Unidentified sp.
3861 Lecanicillium muscarium
3862 Verticillium lecanii
3864 Metarhizium brunneum
3866 Beauveria bassiana
3867 Beauveria bassiana
3868 Sterile mycelium
3869 Unidentified sp.
3870 Paecilomyces sp.
3871 Paecilomyces sp.
3872 Paecilomyces sp.
3873 Paecilomyces sp.
3874 Paecilomyces sp.
3875 Paecilomyces sp.
3876 Unidentified sp.
3877 Paecilomyces sp.
3878 Isaria fumosorosea
3879 Hirsutella rhossiliensis
3880 Entomophaga maimaiga
3881 Verticillium lecanii
3882 Lecanicillium lecanii(?)
3883 Lecanicillium lecanii(?)
3884 Lecanicillium lecanii(?)
3887 Entomophaga maimaiga
3888 Ophiocordyceps bisporus
3889 Isaria fumosorosea
3890 Beauveria bassiana
3891 Beauveria bassiana
3892 Beauveria bassiana
3894 Unidentified sp.
3897 Beauveria bassiana
3902 Verticillium lecanii
3903 Verticillium lecanii
3904 Verticillium lecanii
3905 Beauveria bassiana
3906 Beauveria bassiana
3907 Beauveria bassiana
3908 Beauveria bassiana
3909 Verticillium lecanii
3913 Entomophaga maimaiga
3916 Fusarium polyphialidicum
3917 Isaria fumosorosea
3918 Metarhizium anisopliae sensu lato
3919 Metarhizium anisopliae sensu lato
3920 Metarhizium anisopliae sensu lato
3924 Metarhizium anisopliae sensu stricto
3925 Metarhizium robertsii
3927 Beauveria bassiana
3929 Beauveria sp.
3930 Metarhizium anisopliae sensu lato
3934 Beauveria bassiana
3936 Beauveria sp.
3937 Beauveria bassiana
3938 Isaria tenuipes
3939 Isaria tenuipes
3940 Nomuraea rileyi
3943 Unidentified sp.
3944 Unidentified sp.
3945 Unidentified sp.
3947 Unidentified sp.
3962 Unidentified sp.
3965 Beauveria bassiana
3966 Beauveria bassiana
3967 Beauveria bassiana
3968 Beauveria bassiana
3969 Beauveria bassiana
3970 Beauveria bassiana
3972 Beauveria bassiana
3973 Beauveria bassiana
3974 Beauveria bassiana
3975 Beauveria bassiana
3976 Fusarium sp.
3977 Beauveria bassiana
3978 Beauveria bassiana
3979 Beauveria bassiana
3980 Unidentified sp.
3981 Isaria javanica
3983 Isaria farinosa
3990 Unidentified sp.
3991 Unidentified sp.
3992 Unidentified sp.
3993 Unidentified sp.
3994 Unidentified sp.
3995 Beauveria bassiana
3996 Beauveria bassiana
3997 Unidentified sp.
3998 Unidentified sp.
3999 Beauveria bassiana
4000 Unidentified sp.
4001 Beauveria bassiana
4002 Fusarium sp.
4003 Unidentified sp.
4004 Entomophaga aulicae
4005 Entomophaga aulicae
4006 Entomophaga aulicae
4007 Entomophaga aulicae
4008 Entomophaga aulicae
4009 Sterile mycelium
4010 Isaria farinosa
4011 Fusarium sp.
4012 Beauveria bassiana
4013 Beauveria bassiana
4014 Beauveria bassiana
4015 Beauveria bassiana
4016 Beauveria bassiana
4017 Beauveria bassiana
4018 Beauveria bassiana
4019 Beauveria bassiana
4020 Metarhizium brunneum
4021 Beauveria bassiana
4022 Verticillium lecanii
4023 Beauveria bassiana
4024 Beauveria brongniartii
4025 Verticillium lecanii
4026 Beauveria bassiana
4027 Beauveria sp.
4028 Beauveria bassiana
4029 Isaria farinosa
4030 Beauveria bassiana
4031 Beauveria bassiana
4032 Beauveria bassiana
4033 Lecanicillium muscarium
4034 Beauveria bassiana
4035 Beauveria bassiana
4036 Lecanicillium muscarium
4037 Unidentified sp.
4038 Beauveria bassiana
4039 Isaria farinosa
4040 Isaria farinosa
4041 Beauveria bassiana
4043 Isaria farinosa
4044 Isaria farinosa

4045 Isaria farinosa
4046 Beauveria bassiana
4047 Verticillium lecanii
4048 Verticillium lecanii
4049 Beauveria bassiana
4050 Lecanicillium longisporum
4051 Beauveria bassiana
4052 Beauveria bassiana
4053 Beauveria bassiana
4054 Beauveria bassiana
4055 Beauveria bassiana
4056 Beauveria bassiana
4057 Beauveria bassiana
4058 Acremonium sp.
4059 Acremonium sp.
4060 Lecanicillium lecanii(?)
4061 Verticillium lecanii
4062 Acremonium psammosporum
4063 Acremonium sp.
4064 Verticillium lecanii
4065 Verticillium lecanii
4066 Mixed Culture sp.
4067 Verticillium lecanii
4068
4069 Verticillium lecanii
4070 Verticillium lecanii
4071 Verticillium lecanii
4072 Verticillium lecanii
4073 Verticillium lecanii
4074 Verticillium sp.
4075 Verticillium lecanii
4076 Verticillium lecanii
4077 Verticillium lecanii
4078
4079 Verticillium lecanii
4080 Ophiocordyceps variabilis
4081 Cordyceps militaris
4082 Cordyceps militaris
4083 Cordyceps militaris
4084 Cordyceps militaris
4085 Cordyceps militaris
4086 Cordyceps militaris
4087 Cordyceps militaris
4088 Cordyceps militaris
4089 Cordyceps militaris
4090 Isaria farinosa
4091 Beauveria bassiana
4092 Beauveria bassiana
4093 Beauveria bassiana
4094 Nomuraea rileyi
4095 Metarhizium anisopliae sensu lato
4096 Isaria tenuipes
4097 Isaria amoenerosea
4098 Aschersonia sp.
4099 Beauveria bassiana
4100 Beauveria bassiana
4101 Beauveria bassiana
4103 Aschersonia aleyrodis
4104 Aschersonia aleyrodis
4106 Beauveria bassiana
4107 Beauveria bassiana
4108 Beauveria bassiana
4109 Beauveria bassiana
4110 Beauveria bassiana
4111 Beauveria bassiana
4112 Beauveria bassiana
4113 Beauveria bassiana
4114 Beauveria bassiana
4115 Beauveria bassiana
4116 Beauveria bassiana
4117 Beauveria bassiana
4118 Beauveria bassiana
4119 Beauveria bassiana
4120 Beauveria bassiana
4121 Beauveria bassiana
4123 Metarhizium robertsii
4124 Metarhizium frigidum
4125 Metarhizium anisopliae sensu lato
4126 Aspergillus flavus
4127 Aspergillus tamarii
4128 Aspergillus parasiticus
4129 Aspergillus parasiticus
4130 Beauveria bassiana
4131 Metarhizium brunneum
4132 Metarhizium anisopliae sensu lato
4133 Metarhizium anisopliae sensu lato
4134 Metarhizium anisopliae sensu lato
4135 Beauveria bassiana
4136 Beauveria bassiana
4137 Metarhizium anisopliae sensu lato
4138 Metarhizium anisopliae sensu lato
4139 Metarhizium anisopliae sensu lato
4140 Unidentified sp.
4141 Metarhizium anisopliae sensu lato
4142 Metarhizium anisopliae sensu lato
4143 Penicillium sp.
4144 Penicillium sp.
4145 Mixed Culture sp.
4146 Penicillium sp.
4147 Unidentified sp.
4148 Penicillium sp.
4149 Beauveria amorpha
4150 Beauveria bassiana
4151 Metarhizium anisopliae sensu lato
4152 Metarhizium brunneum
4153 Metarhizium guizhouense
4154 Metarhizium lepidiotae
4155 Metarhizium anisopliae sensu lato
4156 Metarhizium anisopliae sensu lato
4157 Metarhizium anisopliae sensu lato
4158 Metarhizium brunneum
4159 Metarhizium anisopliae sensu lato
4160 Metarhizium anisopliae sensu lato
4161 Metarhizium anisopliae sensu lato
4162 Metarhizium anisopliae sensu lato
4163 Metarhizium anisopliae sensu lato
4164 Metarhizium brunneum
4165 Metarhizium sp.
4166 Metarhizium anisopliae sensu lato
4167 Metarhizium anisopliae sensu lato
4168 Metarhizium anisopliae sensu lato
4169 Metarhizium anisopliae sensu lato
4170 Metarhizium anisopliae sensu lato
4171 Metarhizium anisopliae sensu lato
4172 Metarhizium anisopliae sensu lato
4173 Metarhizium anisopliae sensu lato
4174 Metarhizium anisopliae sensu lato
4175 Metarhizium anisopliae sensu lato
4176 Metarhizium anisopliae sensu lato
4177 Metarhizium anisopliae sensu lato
4178 Metarhizium anisopliae sensu lato
4179 Metarhizium brunneum
4180 Metarhizium anisopliae sensu lato
4181 Metarhizium anisopliae sensu lato
4182 Penicillium sp.
4183 Metarhizium anisopliae sensu lato
4184 Metarhizium anisopliae sensu lato
4185 Metarhizium anisopliae sensu lato
4186 Metarhizium anisopliae sensu lato
4187 Metarhizium anisopliae sensu lato
4188 Metarhizium anisopliae sensu lato
4189 Metarhizium anisopliae sensu lato
4190 Metarhizium anisopliae sensu lato
4191 Metarhizium anisopliae sensu lato
4192 Metarhizium anisopliae sensu lato
4193 Hirsutella sp.
4194 Verticillium sp.
4195 Verticillium sp.
4197 Beauveria sp.
4200 Beauveria bassiana
4201 Unidentified sp.
4203 Verticillium sp.
4204 Unidentified sp.
4205 Isaria fumosorosea
4207 Aschersonia sp.
4208 Aschersonia sp.
4209 Aschersonia aleyrodis
4210 Aschersonia sp.
4214 Unidentified sp.
4215 Unidentified sp.
4219 Metarhizium frigidum
4220 Metarhizium anisopliae sensu lato
4221 Metarhizium flavoviride
4222 Beauveria bassiana
4223 Penicillium sp.
4224 Metarhizium anisopliae sensu lato
4225 Metarhizium anisopliae sensu lato
4226 Metarhizium anisopliae sensu lato
4227 Metarhizium robertsii
4228 Metarhizium brunneum
4229 Metarhizium anisopliae sensu lato
4230 Metarhizium anisopliae sensu lato
4232 Metarhizium anisopliae sensu lato
4233 Unidentified / Hyphomycetes
4234 Metarhizium anisopliae sensu lato
4235 Metarhizium anisopliae sensu lato
4236 Metarhizium anisopliae sensu lato
4237 Sterile mycelium
4238 Fusarium sp.
4239 Metarhizium anisopliae sensu lato
4240 Beauveria bassiana
4241 Metarhizium robertsii
4242 Metarhizium anisopliae sensu lato
4243 Sterile mycelium
4244 Metarhizium anisopliae sensu lato
4245 Mixed Culture sp.
4246 Metarhizium anisopliae sensu lato
4247 Metarhizium anisopliae sensu lato
4248 Metarhizium anisopliae sensu lato
4249 Metarhizium anisopliae sensu lato
4250 Metarhizium anisopliae sensu lato
4251 Metarhizium brunneum
4252 Metarhizium anisopliae sensu lato
4253 Metarhizium anisopliae sensu lato
4254 Beauveria sp.
4255 Metarhizium anisopliae sensu lato
4256 Metarhizium anisopliae sensu lato
4257 Metarhizium anisopliae sensu lato
4258 Beauveria bassiana
4259 Metarhizium anisopliae sensu lato
4260 Mixed Culture sp.
4261 Beauveria bassiana
4262 Metarhizium anisopliae sensu lato
4263 Penicillium sp.
4264 Metarhizium anisopliae sensu lato
4265 Metarhizium anisopliae sensu lato
4266 Metarhizium anisopliae sensu lato
4267 Metarhizium anisopliae sensu lato
4268 Metarhizium anisopliae sensu lato
4269 Metarhizium anisopliae sensu lato

4270 Metarhizium anisopliae sensu lato
4271 Beauveria bassiana
4272 Metarhizium flavoviride
4273 Beauveria bassiana
4274 Beauveria bassiana
4275 Metarhizium anisopliae sensu lato
4276 Beauveria bassiana
4277 Metarhizium frigidum
4278 Metarhizium anisopliae sensu lato
4279 Metarhizium anisopliae sensu lato
4280 Metarhizium anisopliae sensu lato
4281 Metarhizium anisopliae sensu lato
4282 Metarhizium anisopliae sensu lato
4283 Metarhizium anisopliae sensu lato
4284 Metarhizium anisopliae sensu lato
4285 Beauveria bassiana
4286 Metarhizium anisopliae sensu lato
4287 Metarhizium anisopliae sensu lato
4288 Metarhizium anisopliae sensu lato
4289 Beauveria bassiana
4290 Metarhizium anisopliae sensu lato
4291 Metarhizium anisopliae sensu lato
4292 Metarhizium anisopliae sensu lato
4293 Metarhizium anisopliae sensu lato
4294 Metarhizium frigidum
4295 Metarhizium anisopliae sensu lato
4296 Metarhizium anisopliae sensu lato
4297 Beauveria bassiana
4298 Metarhizium anisopliae sensu lato
4299 Metarhizium anisopliae sensu lato
4300 Beauveria bassiana
4301 Beauveria bassiana
4302 Beauveria caledonica
4303 Metarhizium guizhouense
4304 Metarhizium flavoviride
4305 Beauveria bassiana
4306 Metarhizium anisopliae sensu lato
4307 Metarhizium anisopliae sensu lato
4308 Metarhizium anisopliae sensu lato
4309 Metarhizium anisopliae sensu lato
4310 Metarhizium anisopliae sensu lato
4311 Metarhizium anisopliae sensu lato
4312 Metarhizium anisopliae sensu lato
4313 Metarhizium anisopliae sensu lato
4314 Metarhizium anisopliae sensu lato
4315 Metarhizium anisopliae sensu lato
4316 Metarhizium anisopliae sensu lato
4317 Metarhizium anisopliae sensu lato
4318 Metarhizium anisopliae sensu lato
4319 Metarhizium anisopliae sensu lato
4320 Beauveria bassiana
4321 Metarhizium guizhouense
4322 Metarhizium anisopliae sensu lato
4323 Metarhizium anisopliae sensu lato
4324 Metarhizium anisopliae sensu lato
4325 Metarhizium anisopliae sensu lato
4326 Beauveria bassiana
4327 Metarhizium anisopliae sensu lato
4328 Metarhizium anisopliae sensu lato
4329 Metarhizium anisopliae sensu lato
4330 Metarhizium anisopliae sensu lato
4331 Metarhizium anisopliae sensu lato
4332 Metarhizium anisopliae sensu lato
4333 Metarhizium anisopliae sensu lato
4334 Metarhizium anisopliae sensu lato
4335 Metarhizium anisopliae sensu lato
4336 Metarhizium anisopliae sensu lato
4337 Metarhizium anisopliae sensu lato
4338 Metarhizium anisopliae sensu lato
4339 Metarhizium anisopliae sensu lato
4340 Metarhizium anisopliae sensu lato
4341 Metarhizium anisopliae sensu lato
4342 Metarhizium pingshaense
4343 Metarhizium anisopliae sensu lato
4344 Metarhizium anisopliae sensu lato
4345 Metarhizium anisopliae sensu lato
4346 Metarhizium anisopliae sensu lato
4347 Metarhizium anisopliae sensu lato
4348 Metarhizium anisopliae sensu lato
4349 Metarhizium anisopliae sensu lato
4350 Metarhizium anisopliae sensu lato
4351 Metarhizium anisopliae sensu lato
4352 Metarhizium anisopliae sensu lato
4353 Beauveria bassiana
4354 Metarhizium anisopliae sensu lato
4355 Metarhizium anisopliae sensu lato
4356 Beauveria bassiana
4357 Metarhizium anisopliae sensu lato
4358 Microhilum oncoperae
4359 Aspergillus clavatus
4360 Colletotrichum gloeosporioides
4361 Cladosporium herbarum
4362 Beauveria brongniartii
4363 Beauveria brongniartii
4364 Beauveria sp.
4365 Beauveria sp.
4366 Metarhizium pingshaense
4367 Metarhizium sp.
4368 Metarhizium sp.
4369 Metarhizium sp.
4370 Metarhizium sp.
4371 Metarhizium sp.
4372 Metarhizium sp.
4373 Metarhizium sp.
4374 Metarhizium sp.
4375 Metarhizium sp.
4376 Sterile mycelium
4377 Beauveria bassiana
4378 Beauveria bassiana
4379 Beauveria bassiana
4380 Beauveria brongniartii
4381 Beauveria brongniartii
4382 Beauveria bassiana
4383 Isaria fumosorosea
4384 Beauveria asiatica
4385 Beauveria brongniartii
4386 Beauveria brongniartii
4387 Mixed Culture sp.
4388 Beauveria brongniartii
4389 Beauveria brongniartii
4390 Beauveria sp.
4391 Beauveria sp.
4392 Beauveria sp.
4393 Beauveria sp.
4394 Beauveria sp.
4395 Beauveria sp.
4396 Beauveria sp.
4397 Beauveria sp.
4398 Verticillium sp.
4399 Verticillium sp.
4400 Isaria fumosorosea
4401 Isaria fumosorosea
4402 Verticillium sp.
4403 Mixed Culture sp.
4404 Isaria fumosorosea
4406 Isaria fumosorosea
4407 Isaria fumosorosea
4408 Isaria fumosorosea
4409 Isaria fumosorosea
4410 Isaria fumosorosea
4411 Isaria fumosorosea
4412 Isaria farinosa
4413 Isaria fumosorosea
4414 Isaria fumosorosea
4415 Isaria fumosorosea
4416 Verticillium lecanii
4417 Verticillium lecanii
4418 Verticillium lecanii
4419 Verticillium lecanii
4420 Verticillium lecanii
4421 Verticillium lecanii
4422 Verticillium lecanii
4423 Verticillium lecanii
4424 Aschersonia sp.
4426 Aschersonia sp.
4430 Aschersonia sp.
4431 Aschersonia sp.
4432 Aschersonia sp.
4433 Aschersonia sp.
4435 Aschersonia sp.
4436 Aschersonia sp.
4437 Aschersonia sp.
4438 Aschersonia sp.
4439 Aschersonia sp.
4440 Aschersonia sp.
4441 Aschersonia sp.
4442 Aschersonia sp.
4443 Aschersonia sp.
4444 Aschersonia sp.
4445 Aschersonia sp.
4448 Aschersonia sp.
4449 Aschersonia sp.
4450 Metarhizium anisopliae sensu lato
4452 Paecilomyces sp.
4453 Verticillium lecanii
4454 Verticillium lecanii
4455 Verticillium lecanii
4456 Verticillium lecanii
4457 Verticillium lecanii
4458 Beauveria brongniartii
4459 Isaria fumosorosea
4460 Isaria fumosorosea
4461 Isaria fumosorosea
4462 Beauveria bassiana
4463 Beauveria bassiana
4464 Beauveria bassiana
4465 Beauveria brongniartii
4466 Beauveria brongniartii
4467 Beauveria brongniartii
4468 Beauveria brongniartii
4469 Beauveria brongniartii
4470 Beauveria brongniartii
4471 Beauveria brongniartii
4472 Beauveria brongniartii
4473 Beauveria brongniartii
4474 Beauveria asiatica
4475 Beauveria brongniartii
4476 Beauveria brongniartii
4477 Beauveria brongniartii
4478 Beauveria brongniartii
4479 Isaria fumosorosea
4480 Isaria fumosorosea
4481 Isaria fumosorosea
4482 Isaria fumosorosea
4483 Isaria fumosorosea
4484 Isaria fumosorosea
4485 Isaria fumosorosea
4486 Isaria fumosorosea
4487 Isaria fumosorosea
4489 Isaria fumosorosea

4490 Isaria fumosorosea
4491 Isaria fumosorosea
4492 Isaria fumosorosea
4493 Isaria fumosorosea
4494 Isaria fumosorosea
4495 Isaria fumosorosea
4496 Isaria fumosorosea
4497 Isaria fumosorosea
4498 Isaria fumosorosea
4499 Isaria fumosorosea
4501 Isaria fumosorosea
4502 Isaria fumosorosea
4503 Isaria fumosorosea
4504 Entomophaga maimaiga
4505 Entomophaga maimaiga
4506 Entomophaga maimaiga
4507 Entomophaga maimaiga
4508 Entomophaga maimaiga
4509 Entomophaga maimaiga
4510 Entomophaga maimaiga
4511 Hirsutella sp.
4512 Hirsutella versicolor
4513 Hirsutella sp.
4514 Hirsutella sp.
4515 Hirsutella sp.
4517 Hirsutella cryptosclerotium
4518 Ophiocordyceps bisporus
4519 Lecanicillium flavidum
4520 Zoophthora radicans
4522 Metarhizium anisopliae sensu lato
4523 Beauveria bassiana
4524 Beauveria bassiana
4525 Beauveria bassiana
4526 Beauveria bassiana
4527 Beauveria bassiana
4528 Beauveria bassiana
4529 Beauveria bassiana
4530 Beauveria bassiana
4531 Beauveria bassiana
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4536 Beauveria bassiana
4537 Beauveria bassiana
4538 Beauveria bassiana
4539 Beauveria bassiana
4540 Beauveria bassiana
4543 Beauveria bassiana
4545 Entomophaga maimaiga
4549 Entomophaga maimaiga
4550 Entomophaga maimaiga
4551 Entomophaga maimaiga
4552 Entomophaga maimaiga
4553 Entomophaga maimaiga
4554 Entomophaga maimaiga
4555 Entomophaga maimaiga
4556 Metarhizium anisopliae sensu lato
4557 Metarhizium anisopliae sensu lato
4558 Metarhizium anisopliae sensu lato
4560 Metarhizium anisopliae sensu lato
4561 Metarhizium frigidum
4562 Metarhizium anisopliae sensu lato
4563 Metarhizium anisopliae sensu lato
4564 Beauveria bassiana
4565 Metarhizium anisopliae sensu lato
4566 Metarhizium majus
4567 Metarhizium anisopliae sensu lato
4568 Metarhizium anisopliae sensu lato
4569 Metarhizium anisopliae sensu lato
4570 Metarhizium anisopliae sensu lato
4571 Beauveria bassiana
4572 Metarhizium anisopliae sensu lato
4573 Metarhizium anisopliae sensu lato
4574 Metarhizium anisopliae sensu lato
4575 Tolypocladium inflatum
4576 Metarhizium anisopliae sensu lato
4577 Metarhizium anisopliae sensu lato
4578 Metarhizium anisopliae sensu lato
4579 Metarhizium anisopliae sensu lato
4580 Beauveria australis
4581 Metarhizium anisopliae sensu lato
4582 Metarhizium anisopliae sensu lato
4583 Beauveria bassiana
4584 Metarhizium anisopliae sensu lato
4585 Metarhizium anisopliae sensu lato
4586 Metarhizium anisopliae sensu lato
4587 Metarhizium lepidiotae
4588 Metarhizium guizhouense
4589 Beauveria bassiana
4590 Metarhizium anisopliae sensu lato
4591 Metarhizium anisopliae sensu lato
4592 Metarhizium anisopliae sensu lato
4593 Metarhizium anisopliae sensu lato
4594 Metarhizium anisopliae sensu lato
4595 Metarhizium anisopliae sensu lato
4596 Metarhizium anisopliae sensu lato
4598 Beauveria australis
4599 Metarhizium anisopliae sensu lato
4600 Metarhizium anisopliae sensu lato
4601 Metarhizium majus
4602 Metarhizium anisopliae sensu lato
4603 Metarhizium anisopliae sensu lato
4604 Metarhizium guizhouense
4605 Metarhizium acridum
4606 Metarhizium anisopliae sensu lato
4607 Beauveria bassiana
4608 Metarhizium anisopliae sensu lato
4609 Metarhizium anisopliae sensu lato
4610 Metarhizium pingshaense
4611 Beauveria bassiana
4612 Beauveria bassiana
4613 Metarhizium anisopliae sensu lato
4614 Metarhizium anisopliae sensu lato
4615 Metarhizium brunneum
4616 Beauveria bassiana
4617 Metarhizium anisopliae sensu lato
4618 Metarhizium anisopliae sensu lato
4619 Metarhizium anisopliae sensu lato
4620 Metarhizium anisopliae sensu lato
4621 Metarhizium robertsii
4622 Beauveria australis
4623 Metarhizium anisopliae sensu lato
4624 Metarhizium anisopliae sensu lato
4625 Metarhizium anisopliae sensu lato
4626 Metarhizium anisopliae sensu lato
4627 Metarhizium anisopliae sensu lato
4628 Metarhizium robertsii
4629 Metarhizium anisopliae sensu lato
4630 Metarhizium anisopliae sensu lato
4631 Metarhizium anisopliae sensu lato
4632 Metarhizium anisopliae sensu lato
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4634 Metarhizium anisopliae sensu lato
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4638 Metarhizium anisopliae sensu lato
4639 Metarhizium anisopliae sensu lato
4640 Metarhizium anisopliae sensu lato
4641 Metarhizium anisopliae sensu lato
4643 Metarhizium anisopliae sensu lato
4644 Beauveria bassiana
4645 Metarhizium anisopliae sensu lato
4646 Metarhizium anisopliae sensu lato
4647 Metarhizium anisopliae sensu lato
4648 Metarhizium anisopliae sensu lato
4649 Metarhizium anisopliae sensu lato
4650 Metarhizium anisopliae sensu lato
4651 Metarhizium anisopliae sensu lato
4652 Metarhizium anisopliae sensu lato
4653 Metarhizium anisopliae sensu lato
4654 Metarhizium anisopliae sensu lato
4655 Metarhizium anisopliae sensu lato
4657 Metarhizium anisopliae sensu lato
4658 Beauveria bassiana
4660 Metarhizium lepidiotae
4661 Metarhizium anisopliae sensu lato
4663 Metarhizium anisopliae sensu lato
4664 Metarhizium anisopliae sensu lato
4665 Metarhizium anisopliae sensu lato
4666 Penicillium sp.
4668 Metarhizium anisopliae sensu lato
4669 Metarhizium anisopliae sensu lato
4670 Beauveria bassiana
4671 Metarhizium anisopliae sensu lato
4672 Beauveria bassiana
4673 Metarhizium anisopliae sensu lato
4674 Metarhizium anisopliae sensu lato
4676 Metarhizium anisopliae sensu lato
4677 Metarhizium anisopliae sensu lato
4678 Metarhizium anisopliae sensu lato
4680 Metarhizium frigidum
4681 Metarhizium anisopliae sensu lato
4682 Metarhizium anisopliae sensu lato
4683 Metarhizium anisopliae sensu lato
4684 Metarhizium anisopliae sensu lato
4685 Beauveria bassiana
4687 Metarhizium anisopliae sensu lato
4688 Beauveria bassiana
4689 Unidentified / Hyphomycetes
4690 Unidentified / Hyphomycetes
4691 Beauveria bassiana
4692 Beauveria bassiana
4693 Beauveria bassiana
4694 Beauveria bassiana
4695 Beauveria bassiana
4696 Beauveria bassiana
4697 Beauveria bassiana
4698 Isaria fumosorosea
4699 Isaria fumosorosea
4700 Isaria fumosorosea
4701 Isaria fumosorosea
4702 Isaria fumosorosea
4703 Isaria fumosorosea
4704 Isaria fumosorosea
4705 Isaria fumosorosea
4706 Isaria fumosorosea
4707 Isaria fumosorosea
4708 Isaria fumosorosea
4709 Isaria fumosorosea
4710 Isaria fumosorosea
4711 Isaria fumosorosea
4712 Sterile mycelium
4713 Fusarium sp.
4714 Fusarium sp.
4715 Fusarium sp.
4716 Metarhizium anisopliae sensu lato
4717 Metarhizium anisopliae sensu lato
4718 Metarhizium anisopliae sensu lato

4719 Metarhizium flavoviride var. flavoviride■
4720 Metarhizium flavoviride var. flavoviride■
4721 Beauveria bassiana
4722 Metarhizium anisopliae sensu lato
4723 Metarhizium anisopliae sensu lato
4724 Metarhizium anisopliae sensu lato
4725 Metarhizium anisopliae sensu lato
4726 Metarhizium anisopliae sensu lato
4727 Metarhizium flavoviride var. flavoviride■
4729 Metarhizium flavoviride var. flavoviride■
4730 Metarhizium flavoviride var. flavoviride■
4731 Metarhizium anisopliae sensu lato
4732 Metarhizium anisopliae sensu lato
4733 Metarhizium anisopliae sensu lato
4734 Metarhizium anisopliae sensu lato
4735 Metarhizium anisopliae sensu lato
4736 Metarhizium anisopliae sensu lato
4737 Metarhizium anisopliae sensu lato
4738 Metarhizium anisopliae sensu lato
4739 Metarhizium robertsii
4740 Metarhizium anisopliae sensu lato
4741 Beauveria bassiana
4742 Paecilomyces sp.
4743 Metarhizium anisopliae sensu lato
4744 Beauveria bassiana
4745 Beauveria bassiana
4746 Metarhizium anisopliae sensu lato
4747 Metarhizium anisopliae sensu lato
4748 Metarhizium anisopliae sensu lato
4749 Metarhizium anisopliae sensu lato
4750 Sterile mycelium
4751 Phialophora sp.
4752 Metarhizium anisopliae sensu lato
4753 Metarhizium anisopliae sensu lato
4754 Metarhizium anisopliae sensu lato
4755 Beauveria malawiensis
4757 Metarhizium anisopliae sensu lato
4758 Metarhizium anisopliae sensu lato
4759 Metarhizium anisopliae sensu lato
4760 Metarhizium anisopliae sensu lato
4761 Metarhizium anisopliae sensu lato
4762 Metarhizium anisopliae sensu lato
4763 Metarhizium anisopliae sensu lato
4764 Metarhizium anisopliae sensu lato
4765 Metarhizium frigidum
4766 Metarhizium anisopliae sensu lato
4769 Microhilum oncoperae
4770 Microhilum oncoperae
4771 Microhilum oncoperae
4772 Tolypocladium inflatum
4773 Metarhizium anisopliae sensu lato
4774 Metarhizium anisopliae sensu lato
4776 Hirsutella sp.
4777 Metarhizium anisopliae sensu lato
4778 Metarhizium anisopliae sensu lato
4779 Metarhizium anisopliae sensu lato
4780 Metarhizium anisopliae sensu lato
4781 Zoophthora radicans
4782 Zoophthora radicans
4783 Zoophthora radicans
4784 Zoophthora radicans
4785 Zoophthora radicans
4795 Cladosporium sp.
4797 Conidiobolus coronatus
4798 Beauveria bassiana
4799 Beauveria bassiana
4800 Arthrobotrys cladodes var. macroides
4801 Dactylella oxyspora
4802 Monacrosporium thaumasium
4803 Monacrosporium ellipsosporum
4804 Arthrobotrys conoides
4805 Monacrosporium elegans
4806 Monacrosporium thaumasium
4807 Monacrosporium elegans
4808 Arthrobotrys amerospora
4809 Arthrobotrys amerospora
4810 Monacrosporium elegans
4811 Gamsylella lobata
4813 Monacrosporium psychrophilum
4815 Arthrobotrys brochopaga
4817 Gamsylella gephyropaga
4819 Metarhizium anisopliae sensu lato
4820 Metarhizium anisopliae sensu lato
4821 Metarhizium anisopliae sensu lato
4822 Metarhizium anisopliae sensu lato
4823 Metarhizium anisopliae sensu lato
4824 Metarhizium anisopliae sensu lato
4825 Fusarium sp.
4826 Elaphocordyceps ophioglossoides
4827 Elaphocordyceps ophioglossoides
4828 Elaphocordyceps ophioglossoides
4829 Elaphocordyceps ophioglossoides
4830 Elaphocordyceps ophioglossoides
4831 Elaphocordyceps ophioglossoides
4832 Elaphocordyceps ophioglossoides
4833 Elaphocordyceps ophioglossoides
4834 Elaphocordyceps ophioglossoides
4835 Elaphocordyceps ophioglossoides
4836 Elaphocordyceps ophioglossoides
4837 Elaphocordyceps ophioglossoides
4838 Cordyceps militaris
4839 Cordyceps militaris
4840 Cordyceps militaris
4841 Cordyceps militaris
4842 Cordyceps militaris
4843 Ophiocordyceps bisporus
4844 Unidentified sp.
4845 Cordyceps militaris
4846 Cordyceps sp.
4847 Cordyceps militaris
4848 Cordyceps sp.
4849 Isaria amoenerosea
4850 Beauveria asiatica
4851 Cordyceps sp.
4852 Cordyceps sp.
4853 Beauveria sp.
4854 Cordyceps sp.
4855 Cordyceps sp.
4856 Cordyceps sp.
4857 Cordyceps militaris
4858 Polycephalomyces ramosus
4859 Unidentified sp.
4860 Unidentified sp.
4861 Unidentified sp.
4862 Metarhizium anisopliae sensu lato
4863 Fusarium sp.
4864 Fusarium sp.
4865 Metarhizium anisopliae sensu lato
4866 Beauveria bassiana
4867 Lecanicillium psalliotae(?)
4869 Cordyceps militaris
4870 Cordyceps roseostromata
4871 Cordyceps roseostromata
4872 Cordyceps roseostromata
4873 Cordyceps militaris
4874 Cordyceps militaris
4875 Cordyceps sp.
4876 Cordyceps sp.
4877 Tolypocladium inflatum
4878 Tolypocladium inflatum
4879 Tolypocladium inflatum
4880 Tolypocladium inflatum
4881 Tolypocladium inflatum
4882 Tolypocladium inflatum
4883 Tolypocladium inflatum
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4885 Tolypocladium inflatum
4886 Tolypocladium inflatum
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4891 Tolypocladium inflatum
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4894 Tolypocladium inflatum
4895 Tolypocladium inflatum
4896 Tolypocladium inflatum
4897 Tolypocladium inflatum
4898 Tolypocladium inflatum
4899 Unidentified / Hyphomycetes
4900 Unidentified / Hyphomycetes
4901 Metarhizium anisopliae sensu lato
4902 Metarhizium anisopliae sensu lato
4903 Metarhizium robertsii
4904 Metarhizium anisopliae sensu lato
4905 Metarhizium anisopliae sensu lato
4906 Metarhizium anisopliae sensu lato
4907 Metarhizium anisopliae sensu lato
4908 Metarhizium anisopliae sensu lato
4909 Beauveria sp.
4910 Beauveria sp.
4911 Beauveria sp.
4912 Beauveria sp.
4913 Beauveria sp.
4914 Beauveria sp.
4915 Beauveria sp.
4916 Beauveria sp.
4917 Beauveria sp.
4918 Beauveria sp.
4919 Metarhizium robertsii
4920 Beauveria sp.
4921 Unidentified / Hyphomycetes
4922 Unidentified / Hyphomycetes
4923 Unidentified / Hyphomycetes
4924 Unidentified / Hyphomycetes
4925 Metarhizium anisopliae sensu lato
4926 Metarhizium anisopliae sensu lato
4927 Metarhizium anisopliae sensu lato
4928 Metarhizium anisopliae sensu lato
4929 Metarhizium anisopliae sensu lato
4930 Metarhizium anisopliae sensu lato
4931 Unidentified / Hyphomycetes
4932 Unidentified / Hyphomycetes
4933 Beauveria pseudobassiana
4934 Pandora neoaphidis
4936 Cordyceps sp.
4937 Arthrobotrys brochopaga
4938 Arthrobotrys musiformis
4939 Arthrobotrys oligospora
4940 Arthrobotrys superba
4941 Geniculifera paucispora
4942 Hirsutella rhossiliensis
4943 Monacrosporium cionopagum
4944 Monacrosporium doedycoides
4945 Monacrosporium eudematum
4946 Monacrosporium parvicolle
4947 Nematoctonus concurrens
4948 Entomophaga macleodii
4949 Entomophaga macleodii

4950 Entomophaga macleodii
4951 Entomophaga macleodii
4952 Entomophaga macleodii
4953 Entomophaga macleodii
4954 Harposporium anguillulae
4955 Drechslerella dactyloides
4956 Fusarium sp.
4957 Monacrosporium ellipsosporum
4959 Monacrosporium ellipsosporum
4960 Lecanicillium psalliotae
4962 Fusarium sp.
4963 Fusarium oxysporum
4964 Fusarium oxysporum
4965 Lecanicillium psalliotae
4966 Monacrosporium cionopagum
4967 Arthrobotrys oligospora
4968 Conidiobolus thromboides
4969 Fusarium sp.
4970 Unidentified / Zygomycetes
4971 Unidentified / Zygomycetes
4972 Synglíocladium tetanopsis
4973 Beauveria bassiana
4974 Beauveria bassiana
4975 Beauveria bassiana
4976 Beauveria bassiana
4977 Beauveria bassiana
4978 Beauveria bassiana
4979 Beauveria bassiana
4981 Beauveria bassiana
4982 Beauveria bassiana
4983 Beauveria bassiana
4984 Beauveria bassiana
4985 Paecilomyces sp.
4986 Paecilomyces sp.
4987 Paecilomyces sp.
4988 Paecilomyces sp.
4989 Paecilomyces sp.
4990 Beauveria amorpha
4992 Beauveria brongniartii
4993 Beauveria brongniartii
4994 Beauveria brongniartii
4995 Beauveria brongniartii
4997 Metarhizium sp.
4998 Metarhizium sp.
4999 Metarhizium sp.
5000 Metarhizium sp.
5001 Metarhizium sp.
5002 Cordyceps militaris
5003 Cordyceps militaris
5004 Cordyceps militaris
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5061 Cordyceps militaris
5062 Cordyceps militaris
5064 Beauveria bassiana
5066 Beauveria bassiana
5067 Beauveria bassiana
5069 Beauveria bassiana
5070 Beauveria bassiana
5071 Beauveria bassiana
5072 Beauveria bassiana
5073 Isaria farinosa
5074 Isaria farinosa
5075 Isaria farinosa
5076 Metarhizium sp.
5077 Metarhizium sp.
5078 Beauveria sp.
5080 Isaria farinosa
5081 Isaria farinosa
5082 Isaria farinosa
5083 Isaria farinosa
5084 Isaria farinosa
5085 Isaria fumosorosea
5086 Isaria fumosorosea
5087 Isaria fumosorosea
5088 Isaria fumosorosea
5089 Isaria fumosorosea
5090 Isaria fumosorosea
5091 Paecilomyces sp.
5092 Paecilomyces sp.
5093 Paecilomyces sp.
5094 Paecilomyces sp.
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5101 Paecilomyces sp.
5102 Paecilomyces sp.
5103 Paecilomyces sp.
5104 Paecilomyces sp.
5105 Paecilomyces sp.
5106 Paecilomyces sp.
5107 Isaria fumosorosea
5108 Paecilomyces sp.
5109 Paecilomyces sp.
5110 Paecilomyces sp.
5111 Paecilomyces sp.
5112 Paecilomyces sp.
5113 Isaria fumosorosea
5114 Paecilomyces sp.
5115 Isaria fumosorosea
5116 Isaria fumosorosea
5117 Isaria fumosorosea
5118 Isaria fumosorosea
5119 Isaria fumosorosea
5121 Isaria fumosorosea
5122 Isaria fumosorosea
5123 Harposporium cerberi
5126 Lecanicillium longisporum
5127 Verticillium lecanii
5128 Lecanicillium muscarium
5129 Verticillium lecanii
5130 Verticillium lecanii
5131 Verticillium lecanii
5132 Verticillium lecanii
5133 Verticillium lecanii
5134 Isaria tenuipes
5135 Isaria tenuipes
5136 Lecanicillium lecanii(?)
5137 Lecanicillium lecanii(?)
5138 Lecanicillium lecanii(?)
5139 Metarhizium sp.
5140 Ascosphaera duoformis
5141 Ascosphaera duoformis
5142 Ascosphaera apis
5143 Ascosphaera arienoides
5144 Ascosphaera flava
5145 Ascosphaera subcuticulata
5146 Ascosphaera solina
5147 Ascosphaera atra
5148 Beauveria bassiana
5149 Metarhizium robertsii
5150 Beauveria bassiana
5151 Ascosphaera duoformis
5152 Ascosphaera duoformis
5153 Verticillium lecanii
5154 Isaria fumosorosea
5155 Isaria fumosorosea
5156 Isaria fumosorosea
5157 Isaria fumosorosea
5158 Isaria fumosorosea
5159 Isaria fumosorosea
5160 Paecilomyces sp.
5161 Metarhizium anisopliae sensu lato
5162 Conidiobolus coronatus
5163 Ostracoderma sp.
5164 Scopulariopsis sp.
5165 Verticillium lecanii
5166 Verticillium lecanii
5167 Verticillium lecanii
5168 Verticillium lecanii
5169 Beauveria bassiana
5170 Beauveria bassiana
5171 Beauveria bassiana

5172 Beauveria bassiana
5173 Beauveria bassiana
5174 Beauveria sp.
5175 Gliocladium sp.
5176 Trichoderma lignorum
5178 Isaria farinosa
5179 Paecilomyces sp.
5180 Paecilomyces sp.
5181 Paecilomyces sp.
5182 Beauveria bassiana(?)
5183 Paecilomyces sp.
5184 Paecilomyces sp.
5185 Paecilomyces sp.
5186 Beauveria sp.
5187 Beauveria sp.
5188 Mixed Culture sp.
5189 Paecilomyces sp.
5190 Paecilomyces sp.
5191 Isaria farinosa
5192 Paecilomyces sp.
5193 Paecilomyces sp.
5194 Isaria farinosa
5195 Beauveria bassiana
5197 Metarhizium pingshaense
5198 Metarhizium brunneum
5199 Unidentified / Hyphomycetes
5200 Smittium culisetae
5201 Neozygites floridana(?)
5202 Neozygites floridana(?)
5205 Aspergillus sp.
5208 Nomuraea rileyi
5209 Nomuraea rileyi
5210 Nomuraea rileyi
5211 Nomuraea rileyi
5212 Nomuraea rileyi
5215 Aschersonia sp.
5216 Aschersonia sp.
5217 Synglíocladium sp.
5218 Tolypocladium lignicola
5219 Fusarium sp.
5220 Lecanicillium muscarium
5221 Verticillium lecanii
5222 Sporodiniella umbellata
5223 Unidentified / Hyphomycetes
5224 Unidentified / Hyphomycetes
5225 Unidentified / Hyphomycetes
5226 Unidentified / Hyphomycetes
5227 Unidentified / Hyphomycetes
5229 Beauveria bassiana
5230 Beauveria bassiana
5231 Beauveria bassiana
5233 Beauveria bassiana
5234 Beauveria bassiana
5235 Beauveria bassiana
5237 Unidentified / Hyphomycetes
5238 Unidentified / Hyphomycetes
5239 Unidentified / Hyphomycetes
5240 Unidentified / Hyphomycetes
5241 Unidentified / Hyphomycetes
5242 Unidentified / Hyphomycetes
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5244 Unidentified / Hyphomycetes
5245 Unidentified / Hyphomycetes
5246 Unidentified / Hyphomycetes
5247 Unidentified / Hyphomycetes
5248 Unidentified / Hyphomycetes
5249 Lecanicillium psalliotae
5250 Verticillium epiphytum
5251 Isaria fumosorosea
5252 Isaria fumosorosea
5253 Isaria fumosorosea
5254 Isaria fumosorosea
5255 Isaria fumosorosea
5256 Isaria fumosorosea
5257 Isaria fumosorosea
5258 Isaria fumosorosea
5259 Isaria javanica
5260 Isaria fumosorosea
5261 Isaria fumosorosea
5262 Isaria fumosorosea
5263 Isaria fumosorosea
5264 Isaria fumosorosea
5265 Isaria fumosorosea
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5268 Isaria fumosorosea
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5272 Isaria fumosorosea
5273 Beauveria bassiana
5274 Beauveria bassiana
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5297 Isaria fumosorosea
5298 Isaria fumosorosea
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5302 Isaria fumosorosea
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5305 Isaria fumosorosea
5306 Isaria farinosa
5307 Isaria fumosorosea
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5319 Isaria fumosorosea
5320 Isaria fumosorosea
5321 Isaria javanica
5322 Isaria fumosorosea
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5326 Isaria fumosorosea
5327 Isaria fumosorosea
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5329 Isaria fumosorosea
5330 Isaria fumosorosea
5331 Isaria fumosorosea
5332 Fusarium sp.
5335 Penicillium sp.
5336 Basidiobolus sp.
5338 Mariannaea elegans
5339 Beauveria bassiana
5340 Beauveria bassiana
5341 Beauveria bassiana
5342 Beauveria bassiana
5343 Beauveria bassiana
5344 Beauveria bassiana
5345 Beauveria bassiana
5347 Beauveria bassiana
5348 Entomophthora schizophorae
5349 Mariannaea elegans
5350 Mariannaea elegans
5351
5352 Erynia sp.
5353 Polycephalomyces tomentosus
5354 Harposporium helicoides
5355 Beauveria brongniartii
5356 Beauveria brongniartii
5357 Beauveria brongniartii
5358 Beauveria brongniartii
5359 Beauveria brongniartii
5360 Beauveria brongniartii
5361 Beauveria brongniartii
5362 Beauveria brongniartii
5363 Beauveria brongniartii
5364 Beauveria brongniartii
5365 Ophiocordyceps variabilis
5366 Ophiocordyceps variabilis
5367 Ophiocordyceps variabilis
5368 Isaria farinosa
5369 Metarhizium anisopliae sensu lato
5370 Beauveria bassiana
5371 Pandora neoaphidis
5372 Pandora neoaphidis
5373 Pandora neoaphidis
5374 Pandora neoaphidis
5375 Syspastospora parasitica
5376 Neozygites floridana(?)
5377 Entomophaga maimaiga
5378 Entomophaga maimaiga
5379 Entomophaga maimaiga
5380 Entomophaga maimaiga
5381 Entomophaga maimaiga
5382 Entomophaga maimaiga
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5397 Entomophaga maimaiga
5398 Entomophaga maimaiga
5399 Entomophaga maimaiga
5400 Entomophaga maimaiga
5401 Entomophaga maimaiga
5402 Paecilomyces sp.
5403 Pandora neoaphidis
5404 Conidiobolus sp.
5405 Conidiobolus sp.
5406 Conidiobolus sp.
5407 Harposporium anguillulae
5408 Harposporium anguillulae
5409 Harposporium anguillulae
5410 Harposporium sp.
5411 Arthrobotrys oligospora
5412 Hirsutella thompsonii var. synnematosa
5413 Mariannaea pruinosa
5414 Ophiocordyceps variabilis
5415 Ophiocordyceps variabilis
5416 Ophiocordyceps variabilis
5417 Ophiocordyceps variabilis
5418 Ophiocordyceps variabilis
5419 Ophiocordyceps variabilis
5420 Ophiocordyceps variabilis
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5426 Ophiocordyceps variabilis
5427 Ophiocordyceps variabilis
5428 Ophiocordyceps variabilis
5429 Ophiocordyceps variabilis
5430 Smittium culisetae
5431 Smittium culicis
5432 Smittium culicis
5433 Drechslerella dactyloides
5434 Arthrobotrys thaumasia
5435 Arthrobotrys haptotyla
5436 Beauveria bassiana
5437 Beauveria bassiana
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5459 Beauveria bassiana
5460 Beauveria bassiana
5461 Fusarium sp.
5462 Isaria fumosorosea
5463 Isaria fumosorosea
5464 Isaria fumosorosea
5465 Beauveria bassiana
5466 Beauveria bassiana
5467 Beauveria bassiana
5469 Metarhizium anisopliae sensu lato
5470 Aspergillus parasiticus
5471 Metarhizium anisopliae sensu stricto
5472 Atricordyceps harposporifera
5473 Hirsutella nodulosa
5474 Hirsutella fusiformis
5475 Isaria fumosorosea
5476 Isaria fumosorosea
5477 Beauveria bassiana
5478 Beauveria bassiana
5479 Beauveria bassiana
5480 Beauveria bassiana
5481 Beauveria bassiana
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5489 Beauveria bassiana
5490 Beauveria bassiana
5491 Verticillium lecanii
5492 Beauveria bassiana
5493 Beauveria bassiana
5494 Beauveria bassiana
5495 Beauveria bassiana
5496 Beauveria bassiana
5497 Syngliocladium tetanopsis
5498 Ophiocordyceps aphodii
5499 Leptolegnia chapmanii
5500 Beauveria bassiana
5501 Beauveria bassiana
5502 Beauveria bassiana
5503 Aspergillus flavus(?)
5504 Aspergillus flavus(?)
5505 Aspergillus flavus(?)
5506 Aspergillus flavus(?)
5507 Aspergillus flavus(?)
5508 Aspergillus flavus(?)
5509 Aspergillus flavus(?)
5510 Beauveria bassiana
5513 Metarhizium anisopliae sensu lato
5514 Metarhizium anisopliae sensu lato
5515 Metarhizium anisopliae sensu lato
5516 Metarhizium anisopliae sensu lato
5517 Metarhizium anisopliae sensu lato
5518 Metarhizium anisopliae sensu lato
5519 Metarhizium anisopliae sensu lato
5520 Metarhizium anisopliae sensu lato
5521 Metarhizium anisopliae sensu lato
5525 Tolypocladium cylindrosporum
5526 Tolypocladium cylindrosporum
5527 Tolypocladium cylindrosporum
5528 Tolypocladium cylindrosporum
5529 Tolypocladium cylindrosporum
5530 Tolypocladium cylindrosporum
5531 Tolypocladium cylindrosporum
5532 Tolypocladium cylindrosporum
5533 Beauveria bassiana
5534 Beauveria bassiana
5535 Beauveria bassiana
5536 Beauveria bassiana
5537 Beauveria bassiana
5538 Tolypocladium cylindrosporum
5539 Hirsutella illustris
5540 Isaria fumosorosea
5541 Furia gastropachae
5542 Furia gastropachae
5543 Furia gastropachae
5544 Furia gastropachae
5545 Furia gastropachae
5546 Furia gastropachae
5547 Furia gastropachae
5548 Isaria farinosa
5549 Hirsutella necatrix
5550 Hirsutella kirchneri
5551 Hirsutella kirchneri
5552 Batkoa apiculata
5553 Beauveria bassiana
5554 Metarhizium anisopliae sensu lato
5555 Metarhizium anisopliae sensu lato
5556 Metarhizium anisopliae sensu lato
5557 Beauveria bassiana
5558 Tolypocladium cylindrosporum
5559 Tolypocladium cylindrosporum
5560 Fusarium sp.
5561 Arthrobotrys oligospora
5562 Arthrobotrys oligospora
5563 Entomophaga maimaiga
5564 Entomophaga maimaiga
5565 Entomophaga maimaiga
5566 Entomophaga maimaiga
5567 Entomophaga maimaiga
5568 Entomophaga maimaiga
5569 Entomophaga maimaiga
5570 Entomophaga maimaiga
5571 Entomophaga maimaiga
5572 Entomophaga maimaiga
5573 Beauveria bassiana
5574 Escovopsis sp.
5575 Escovopsis aspergilloides
5576 Escovopsis weberi
5577 Syngliocladium tetanopsis
5578 Lecanicillium fusisporum(?)
5579 Lecanicillium fusisporum(?)
5580 Lecanicillium lecanii(?)
5581 Lecanicillium lecanii(?)
5582 Lecanicillium psalliotae
5583 Lecanicillium fusisporum
5584 Lecanicillium lecanii(?)
5585 Lecanicillium lecanii(?)
5586 Drechslerella dactyloides
5587 Drechslerella dactyloides
5588 Dactylaria candida
5589 Dactylella aphrobrocha
5590 Dactylella leptospora
5591 Drechmeria coniospora
5592 Drechmeria coniospora
5593 Harposporium anguillulae
5594 Harposporium anguillulae
5595 Harposporium anguillulae
5596 Harposporium arcuatum
5597 Harposporium arcuatum
5598 Harposporium arcuatum
5599 Harposporium cycloides
5600 Harposporium cycloides
5601 Harposporium janus
5602 Harposporium leptospira
5603 Harposporium leptospira
5604 Harposporium lilliputanum
5605 Harposporium subuliforme
5606 Nematoctonus leiosporus
5607 Nematoctonus leptosporus
5608 Plesiospora globosa
5609 Rotiferophthora amamiensis
5610 Rotiferophthora angustispora
5611 Rotiferophthora japonica

5612 Rotiferophthora lacrima
5613 Rotiferophthora minutispora
5614 Rotiferophthora denticulospora
5615 Tolypocladium lignicola
5616 Pochonia microbactrospora
5617 Haptocillium balanoides
5618 Haptocillium sinense
5619 Pochonia microbactrospora
5620 Neozygites parvispora
5621 Neozygites parvispora
5622 Beauveria sp.
5623 Beauveria bassiana
5624 Metarhizium anisopliae sensu lato
5625 Metarhizium brunneum
5626 Metarhizium brunneum
5627 Isaria fumosorosea
5628 Metarhizium anisopliae sensu lato
5629 Beauveria bassiana
5630 Beauveria bassiana
5631 Beauveria bassiana
5632 Beauveria bassiana
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5638 Beauveria bassiana
5639 Beauveria bassiana
5640 Beauveria bassiana
5641 Beauveria bassiana
5642 Beauveria bassiana
5643 Beauveria bassiana
5644 Beauveria bassiana(?)
5645 Beauveria bassiana
5646 Beauveria bassiana
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5649 Beauveria bassiana
5650 Beauveria bassiana
5651 Beauveria bassiana
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5654 Beauveria bassiana
5655 Beauveria bassiana
5656 Harposporium bysmatosporum
5657 Harposporium subuliforme
5658 Harposporium dicorymbum
5659 Harposporium anguillulae
5660 Dactylella heterospora
5661 Dactylella doedycoides
5662 Dactylaria brochopaga
5663 Nematoctonus sp.
5664 Synnematium jonesii
5665 Beauveria bassiana
5666 Lecanicillium psalliotae
5667 Beauveria bassiana
5668 Beauveria bassiana
5669 Beauveria bassiana
5670 Beauveria bassiana
5671 Beauveria bassiana
5672 Beauveria bassiana
5673 Beauveria bassiana
5674 Beauveria bassiana
5675 Isaria farinosa
5676 Isaria farinosa
5677 Unidentified / Hyphomycetes
5678 Beauveria sp.
5679 Isaria farinosa
5680 Fusarium sp.
5681 Lecanicillium psalliotae
5682 Fusarium sp.
5683 Lecanicillium psalliotae
5684 Beauveria bassiana(?)
5685 Lecanicillium psalliotae
5686 Beauveria sp.
5687 Verticillium pseudohemipterigenum
5688 Cordyceps isarioides
5689 Beauveria sungii
5690 Cordyceps bifusispora
5691 Cordyceps ochraceostromata
5692 Cordyceps agriota
5693 Cordyceps pruinosa
5694 Isaria fumosorosea
5695 Unidentified / Hyphomycetes
5696 Ophiocordyceps gracilioides
5697 Beauveria sp.
5698 Unidentified / Hyphomycetes
5699 Isaria farinosa
5700 Isaria tenuipes
5701 Duddingtonia flagrans
5702 Monacrosporium ellipsosporum
5703 Evlachovaea sp.
5704 Beauveria bassiana
5705 Beauveria bassiana
5706 Lecanicillium lecanii
5707 Pandora neoaphidis
5708 Pandora neoaphidis
5709 Verticillium lecanii
5710 Verticillium lecanii
5711 Entomophaga maimaiga
5712 Conidiobolus sp.
5713 Verticillium sp.
5714 Metarhizium guizhouense
5715 Metarhizium anisopliae sensu lato
5716 Metarhizium anisopliae sensu lato
5717 Metarhizium anisopliae sensu lato
5718 Cordyceps staphylinidaecola
5719 Metacordyceps yongmunensis
5720 Synglioclad ium sp.
5721 Aspergillus niger
5722 Aspergillus ochraceus
5723
5724 Beauveria bassiana
5725 Beauveria bassiana
5726 Fusarium sp.
5727 Fusarium sp.
5728 Fusarium sp.
5729 Candida sp.
5730 Trichoderma sp.
5731 Pythium sp.
5732 Pythium sp.
5733 Penicillium sp.
5734 Metarhizium anisopliae var. acridum
5735 Metarhizium acridum
5736 Metarhizium acridum
5737 Beauveria bassiana
5738 Beauveria bassiana
5739 Drechmeria coniospora
5740 Beauveria bassiana
5741 Beauveria bassiana
5742 Beauveria bassiana
5743 Beauveria bassiana
5744 Beauveria bassiana
5745 Beauveria bassiana
5746 Metarhizium anisopliae sensu lato
5747 Metarhizium acridum
5748 Metarhizium acridum
5749 Metarhizium anisopliae sensu lato
5750 Metarhizium acridum
5751 Metarhizium brunneum
5752 Metarhizium anisopliae sensu lato
5753 Beauveria bassiana
5754 Isaria farinosa
5755 Fusarium sp.
5756 Aphanocladium album
5757 Fusarium sp.
5758 Cylindrocarpon sp.
5759 Verticillium lecanii
5760 Isaria farinosa
5761 Isaria farinosa
5762 Beauveria bassiana
5763 Lecanicillium psalliotae
5764 Paraisaria dubia
5765 Pseudogibellula formicarum
5766 Pseudogibellula formicarum
5767 Beauveria bassiana
5768 Beauveria bassiana
5769 Beauveria bassiana
5770 Beauveria bassiana
5771 Verticillium lecanii
5772 Verticillium lecanii
5773 Acremonium sp.
5774 Isaria farinosa
5775 Isaria farinosa
5776 Isaria farinosa
5777 Verticillium lecanii
5778 Verticillium lecanii
5779 Verticillium lecanii
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5783 Verticillium lecanii
5784 Isaria farinosa
5785 Verticillium lecanii
5786 Verticillium lecanii
5787 Verticillium lecanii
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5789 Verticillium lecanii
5790 Isaria farinosa
5791 Verticillium lecanii
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5793 Verticillium lecanii
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5795 Verticillium lecanii
5796 Beauveria bassiana
5797 Isaria farinosa
5798 Verticillium lecanii
5799 Isaria farinosa
5800 Isaria farinosa
5801 Isaria farinosa
5802 Isaria farinosa
5803 Fusarium sp.
5804 Cordyceps militaris
5805 Purpureocillium lilacinum
5806 Isaria javanica
5807 Beauveria bassiana
5808 Beauveria bassiana
5809 Verticillium lecanii
5810 Batkoa sp.
5811 Entomophthora culicis
5812 Pandora sp.
5813 Beauveria bassiana
5814 Zoophthora radicans
5815 Beauveria bassiana(?)
5816 Beauveria bassiana(?)
5817 Beauveria bassiana(?)
5818 Beauveria bassiana(?)
5819 Sterile mycelium
5820 Verticillium lecanii
5821 Verticillium lecanii

5822 Verticillium lecanii
5823 Geotrichum (?) sp.
5824 Verticillium lecanii
5825 Fusarium sp.
5826 Isaria farinosa
5827 Isaria farinosa
5828 Verticillium lecanii
5829 Verticillium lecanii
5830 Isaria farinosa
5831 Beauveria sp.
5832 Beauveria sp.
5833 Beauveria sp.
5834 Isaria farinosa
5835 Lecanicillium psalliotae
5836 Beauveria bassiana
5837 Metarhizium anisopliae sensu lato
5838 Beauveria bassiana
5839 Beauveria bassiana
5840 Beauveria bassiana
5841 Metarhizium anisopliae sensu lato
5842 Metarhizium anisopliae sensu lato
5843 Beauveria bassiana
5844 Isaria fumosorosea
5845 Isaria fumosorosea
5846 Isaria fumosorosea
5847 Isaria fumosorosea
5848 Metarhizium anisopliae sensu lato
5849 Verticillium lecanii
5850 Metarhizium anisopliae sensu lato
5851 Metarhizium anisopliae sensu lato
5852 Verticillium lecanii
5853 Beauveria bassiana
5854 Verticillium lecanii
5855 Isaria fumosorosea
5856 Verticillium lecanii
5857 Beauveria bassiana
5858 Isaria farinosa
5859 Verticillium lecanii
5860 Isaria fumosorosea
5861 Beauveria bassiana
5862 Beauveria bassiana
5863 Beauveria bassiana
5864 Beauveria bassiana
5865 Beauveria bassiana
5866 Beauveria bassiana
5867 Beauveria bassiana
5868 Entomophthora thripidum
5869 Furia gastropachae
5870 Furia gastropachae
5871 Furia gastropachae
5872 Furia gastropachae
5873 Metarhizium robertsii
5874 Isaria fumosorosea
5875 Fusarium sp.
5876 Purpureocillium lilacinum
5877 Purpureocillium lilacinum
5878 Fusarium sp.
5879 Fusarium sp.
5880 Purpureocillium lilacinum
5881 Fusarium sp.
5882 Purpureocillium lilacinum
5883 Isaria farinosa
5884 Isaria farinosa
5885 Isaria farinosa
5886 Beauveria bassiana
5887 Beauveria bassiana
5888 Beauveria bassiana
5889 Basidiobolus ranarum
5890 Basidiobolus ranarum
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5951 Basidiobolus ranarum
5952 Entomophthora muscae
5953 Entomophthora muscae
5954 Entomophthora muscae
5955 Entomophthora syrphi
5956 Beauveria bassiana
5957 Beauveria bassiana
5958 Beauveria bassiana
5959 Beauveria bassiana(?)
5960 Beauveria bassiana
5961 Beauveria bassiana
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5964 Beauveria bassiana
5965 Beauveria bassiana
5966 Beauveria bassiana
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5969 Beauveria bassiana
5970 Beauveria bassiana
5971 Beauveria bassiana
5972 Beauveria bassiana
5973 Beauveria bassiana
5974 Beauveria bassiana
5975 Beauveria bassiana(?)
5976 Beauveria bassiana(?)
5977 Beauveria bassiana
5978 Beauveria bassiana
5979 Beauveria bassiana
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5981 Beauveria bassiana
5982 Beauveria bassiana
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5986 Beauveria bassiana
5987 Beauveria bassiana
5988 Beauveria bassiana
5989 Beauveria bassiana
5990 Beauveria bassiana(?)
5991 Beauveria bassiana
5992 Conidiobolus obscurus
5993 Conidiobolus osmodes(?)
5994 Batkoa apiculata
5995 Pandora neoaphidis
5996 Isaria farinosa
5997 Beauveria bassiana
5998 Aphanocladium album
5999 Calcarisporium arbuscula
6000 Conidiobolus thromboides
6001 Conidiobolus thromboides
6002 Engyodontium album
6003 Zoophthora radicans
6004 Entomophaga maimaiga
6005 Entomophaga maimaiga
6006 Entomophaga maimaiga
6007 Entomophaga maimaiga
6008 Beauveria bassiana
6009 Beauveria bassiana
6010 Verticillium lecanii
6011 Beauveria bassiana
6012 Isaria farinosa
6013 Beauveria bassiana
6014 Beauveria bassiana
6015 Beauveria bassiana
6016 Beauveria bassiana
6017 Isaria farinosa
6018 Purpureocillium lilacinum
6019 Beauveria bassiana
6020 Isaria farinosa
6021 Purpureocillium lilacinum
6022 Beauveria bassiana
6023 Beauveria brongniartii
6024 Purpureocillium lilacinum
6025 Verticillium lecanii
6026 Purpureocillium lilacinum
6027 Beauveria bassiana
6028 Isaria farinosa
6029 Isaria farinosa
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6033 Isaria farinosa
6034 Isaria farinosa
6035 Verticillium lecanii
6036 Isaria farinosa
6037 Isaria farinosa
6038 Isaria farinosa
6039 Beauveria bassiana
6040 Beauveria bassiana
6041 Beauveria bassiana
6042 Beauveria bassiana
6043 Beauveria bassiana
6044 Isaria farinosa
6045 Verticillium lecanii
6046 Verticillium lecanii
6047 Verticillium lecanii
6048 Isaria farinosa
6049 Isaria farinosa
6050 Verticillium lecanii
6051 Entomophaga maimaiga
6052 Entomophaga maimaiga
6053 Entomophaga maimaiga
6054 Entomophaga maimaiga
6055 Beauveria bassiana
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6067 Beauveria bassiana
6068 Verticillium lecanii
6069 Beauveria bassiana
6070 Beauveria bassiana
6071 Lecanicillium psalliotae
6072 Beauveria bassiana
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6080 Purpureocillium lilacinum
6081 Purpureocillium lilacinum
6082 Purpureocillium lilacinum
6083 Beauveria bassiana
6084 Purpureocillium lilacinum
6085 Verticillium lecanii
6086 Beauveria bassiana
6087 Beauveria bassiana
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6091 Beauveria bassiana
6092 Beauveria bassiana
6093 Beauveria bassiana
6094 Purpureocillium lilacinum
6095 Beauveria bassiana
6096 Beauveria bassiana
6097 Isaria farinosa
6098 Isaria farinosa
6099 Beauveria bassiana
6100 Beauveria bassiana
6101 Beauveria bassiana
6102 Fusarium sp.
6103 Phycomyces blakesleeanus
6104 Phycomyces blakesleeanus
6105 Entomophaga maimaiga
6106 Entomophaga maimaiga
6109 Beauveria bassiana
6110 Purpureocillium lilacinum
6111 Beauveria bassiana
6112 Beauveria bassiana
6113 Beauveria bassiana
6114 Purpureocillium lilacinum
6115 Beauveria bassiana
6116 Purpureocillium lilacinum
6117 Purpureocillium lilacinum
6118 Lecanicillium muscarium
6119 Unidentified / Zygomycetes
6120 Metarhizium brunneum
6121 Entomophthora muscae
6122 Entomophthora muscae
6123 Entomophthora muscae
6124 Entomophthora muscae
6125 Entomophthora muscae
6126 Entomophthora muscae
6127 Entomophthora muscae
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6129 Entomophthora muscae
6130 Entomophthora muscae
6131 Entomophthora muscae
6132 Entomophthora muscae
6133 Entomophthora muscae
6134 Entomophthora muscae
6135 Entomophthora muscae
6136 Entomophthora muscae
6137 Entomophthora schizophorae
6138 Entomophthora schizophorae
6139 Entomophthora schizophorae
6140 Entomophthora muscae
6141 Entomophthora muscae
6142 Entomophthora schizophorae
6143 Entomophthora schizophorae
6144 Verticillium lecanii
6145 Verticillium lecanii
6146 Evlachovaea sp.
6147 Beauveria bassiana
6148 Beauveria bassiana
6149 Beauveria bassiana
6150 Beauveria bassiana
6151 Beauveria bassiana
6152 Beauveria bassiana
6153 Beauveria bassiana
6154 Calcarisporium parasiticum
6155 Calcarisporium arbuscula
6156 Neobarya parasitica
6157 Unidentified / Zygomycetes
6158 Unidentified / Zygomycetes
6159 Unidentified / Zygomycetes
6160 Unidentified / Zygomycetes
6161 Entomophaga maimaiga
6162 Entomophaga maimaiga
6163 Entomophaga maimaiga
6164 Entomophthora muscae
6165 Entomophthora muscae
6166 Pandora neoaphidis
6167 Metarhizium anisopliae sensu lato
6168 Entomophaga maimaiga
6169 Entomophaga maimaiga
6170 Entomophaga maimaiga
6171 Entomophaga maimaiga
6172 Entomophaga maimaiga
6173 Entomophaga maimaiga
6174 Entomophaga maimaiga
6175 Ramicandelaber longisporus
6176 Ramicandelaber longisporus
6177 Beauveria bassiana
6178 Beauveria bassiana
6179 Batkoa sp.
6180 Ophiocordyceps myrmecophila
6181 Beauveria bassiana
6182 Beauveria bassiana
6183 Purpureocillium lilacinum
6184 Beauveria bassiana
6185 Beauveria bassiana
6186 Beauveria bassiana
6187 Beauveria bassiana
6188 Purpureocillium lilacinum
6189 Beauveria bassiana
6190 Purpureocillium lilacinum
6191 Beauveria bassiana
6192 Isaria fumosorosea
6193 Paecilomyces sp.
6194 Beauveria bassiana
6195 Beauveria bassiana
6196 Beauveria bassiana
6197 Purpureocillium lilacinum
6198 Paecilomyces sp.
6199 Beauveria bassiana
6200 Isaria farinosa
6201 Beauveria bassiana
6202 Isaria farinosa
6203 Isaria fumosorosea
6204 Isaria fumosorosea
6205 Beauveria bassiana
6206 Isaria fumosorosea
6207 Isaria farinosa
6208 Beauveria bassiana
6209 Beauveria bassiana
6210 Batkoa sp.
6211 Furia sp.
6212 Entomophaga maimaiga
6213 Beauveria brongniartii
6214 Beauveria brongniartii
6215 Beauveria brongniartii
6216 Beauveria bassiana
6217 Beauveria bassiana
6218 Entomophaga maimaiga
6219 Neozygites floridana(?)
6220 Neozygites floridana(?)
6221 Neozygites floridana(?)
6222 Isaria farinosa
6223 Entomophaga maimaiga
6224 Entomophaga maimaiga
6225 Fusarium sp.
6226 Cladosporium sp.
6227 Beauveria amorpha
6228 Beauveria bassiana
6229 Beauveria pseudobassiana
6230 Beauveria bassiana
6231 Beauveria bassiana
6232 Beauveria bassiana
6233 Beauveria bassiana
6234 Beauveria bassiana
6235 Beauveria brongniartii
6236 Metarhizium anisopliae sensu lato
6237 Metarhizium anisopliae sensu lato
6238 Metarhizium guizhouense
6239 Nomuraea rileyi
6240 Isaria cateniannulata
6241 Isaria cateniannulata
6242 Isaria cateniannulata
6243 Isaria cateniannulata

6244 Isaria cateniobliqua
6245 Isaria farinosa
6246 Isaria farinosa
6247 Purpureocillium lilacinum
6248 Cordyceps militaris
6249 Isaria tenuipes
6250 Verticillium sp.
6251 Entomophthora planchoniana
6252 Entomophthora planchoniana
6253 Entomophaga maimaiga
6254 Entomophaga maimaiga
6255 Entomophaga maimaiga
6256 Entomophaga maimaiga
6257 Entomophaga maimaiga
6258 Entomophaga maimaiga
6259 Hyphochytrium catenoides
6260 Powellomyces variabilis
6261 Rhizophlyctis rosea
6262 Rhizophydium sphaerotheca
6263 Spizellomyces kniepii
6264 Entomophaga maimaiga
6265 Entomophaga maimaiga
6266 Entomophaga maimaiga
6267 Entomophaga maimaiga
6268 Entomophaga maimaiga
6269 Entomophaga maimaiga
6270 Entomophaga maimaiga
6271 Entomophaga maimaiga
6272 Entomophaga maimaiga
6273 Cladosporium cladosporioides
6274 Entomophthora muscae
6275 Smittium megazygosporum
6276 Neozygites parvispora
6277 Neozygites parvispora
6278 Neozygites parvispora
6279 Neozygites parvispora
6280 Neozygites parvispora
6281 Cordyceps sp.
6282 Hirsutella sinensis
6283 Isaria cateniobliqua
6284 Paecilomyces sinensis
6285 Paecilomyces sinensis
6286 Sporothrix insectorum
6287 Verticillium lecanii
6288 Isaria farinosa
6289 Lecanicillium lecanii(?)
6290 Verticillium lecanii
6291 Verticillium lecanii
6292 Hymenostilbe sphecophila
6293 Pandora blunckii
6294 Pandora blunckii
6295 Pandora blunckii
6296 Pandora blunckii
6297 Pandora blunckii
6298 Pandora blunckii
6299 Pandora blunckii
6300 Pandora blunckii
6301 Pandora blunckii
6302 Pandora blunckii
6303 Zoophthora radicans
6304 Pandora blunckii
6305 Pandora blunckii
6306 Pandora blunckii
6307 Pandora blunckii
6308 Pandora blunckii
6309 Pandora blunckii
6310 Pandora blunckii
6311 Pandora blunckii
6312 Pandora blunckii
6313 Zoophthora radicans
6314 Zoophthora radicans
6315 Zoophthora radicans
6316 Pandora blunckii
6317 Metarhizium anisopliae sensu stricto
6318 Metarhizium anisopliae sensu stricto
6319 Metarhizium anisopliae sensu lato
6320 Fusarium sp.
6321 Metarhizium anisopliae sensu lato
6322 Metarhizium anisopliae sensu lato
6323 Metarhizium anisopliae sensu lato
6324 Metarhizium anisopliae sensu lato
6325 Paecilomyces lilacinus(?)
6326 Metarhizium anisopliae sensu lato
6327 Ramicandelaber longisporus
6328 Ramicandelaber longisporus
6329 Ramicandelaber longisporus
6330 Ramicandelaber longisporus
6331 Ramicandelaber longisporus
6332 Ramicandelaber longisporus
6333 Ramicandelaber longisporus
6334 Ramicandelaber longisporus
6335 Ramicandelaber longisporus
6336 Ramicandelaber longisporus
6337 Ramicandelaber longisporus
6338 Ramicandelaber longisporus
6339 Paecilomyces sp.
6340 Purpureocillium lilacinum
6341 Sporothrix sp.
6342 Metarhizium anisopliae sensu lato
6343 Metarhizium anisopliae sensu lato
6344 Trichoderma viride(?)
6345 Metarhizium anisopliae sensu lato
6346 Metarhizium anisopliae sensu lato
6347 Metarhizium anisopliae sensu stricto
6348 Fusarium sp.
6349 Cordyceps sp.
6350 Verticillium lecanii
6351 Fusarium sp.
6352 Fusarium sp.
6353 Fusarium sp.
6354 Fusarium sp.
6355 Fusarium oxysporum(?)
6356 Metarhizium anisopliae sensu lato
6357 Penicillium sp.
6358 Fusarium sp.
6359 Penicillium sp.
6360 Metarhizium anisopliae sensu lato
6361 Conidiobolus lamprauges
6362 Ascosphaera apis
6363 Ascosphaera proliperda
6364 Aspergillus sp.
6365 Aspergillus niger
6367 Curvularia sp.
6369 Aspergillus sp.
6370 Unidentified sp.
6372 Dactylella sp.
6375 Fusarium sp.
6376 Beauveria amorpha
6377 Conidiobolus adiaeretus
6378 Conidiobolus iuxtagenitus
6379 Conidiobolus coronatus
6380 Basidiobolus ranarum
6381 Conidiobolus thromboides
6382 Basidiobolus ranarum
6383 Conidiobolus pumilus
6384 Conidiobolus firmipilleus
6385 Conidiobolus lamprauges
6386 Conidiobolus heterosporus
6387 Beauveria bassiana
6388 Metarhizium anisopliae sensu lato
6389 Metarhizium anisopliae sensu lato
6390 Beauveria bassiana
6391 Beauveria bassiana
6392 Metarhizium brunneum
6393 Beauveria bassiana
6394 Fusarium sp.
6395 Fusarium sp.
6396 Fusarium sp.
6397 Fusarium sp.
6398 Fusarium sp.
6399 Aspergillus sp.
6400 Fusarium sp.
6401 Fusarium sp.
6402 Fusarium sp.
6403 Fusarium sp.
6404 Beauveria bassiana
6405 Aspergillus sp.
6406 Aspergillus sp.
6407 Aspergillus niger
6408 Aspergillus sp.
6409 Fusarium sp.
6410 Fusarium sp.
6411 Fusarium sp.
6412 Beauveria brongniartii
6413 Metarhizium sp.
6414 Metarhizium anisopliae sensu lato
6415 Metarhizium anisopliae sensu lato
6416 Metarhizium flavoviride
6417 Metarhizium anisopliae sensu lato
6418 Aspergillus tamarii(?)
6419 Aspergillus sp.
6420 Aspergillus tamarii(?)
6421 Metarhizium acridum
6422 Aspergillus sp.
6423 Aspergillus sp.
6424 Conidiobolus sp.
6425 Fusarium sp.
6426 Beauveria bassiana
6427 Saprolegnia sp.
6428 Fusarium sp.
6429 Fusarium sp.
6430 Simplicillium lanosoniveum
6431 Simplicillium lanosoniveum
6432 Simplicillium lanosoniveum
6433 Lecanicillium aphanocladii
6434 Isaria fumosorosea
6435 Isaria fumosorosea
6436 Lecanicillium psalliotae
6437 Beauveria brongniartii
6438 Beauveria brongniartii
6439 Beauveria brongniartii
6440 Beauveria brongniartii
6441 Engyodontium aranearum
6442 Cladosporium sp.
6443 Fusarium sp.
6444 Beauveria bassiana
6445 Fusarium sp.
6446 Fusarium sp.
6447 Fusarium sp.
6448 Simplicillium lamellicola
6449
6450 Fusarium sp.
6451 Fusarium sp.
6452 Fusarium sp.
6453 Fusarium sp.
6454 Aspergillus flavus
6455 Fusarium sp.
6457 Metarhizium anisopliae sensu lato
6458 Paecilomyces lilacinus(?)
6459 Beauveria bassiana

6460 Fusarium sp.
6461 Fusarium sp.
6462 Paecilomyces crustaceus(?)
6463 Unidentified sp.
6464 Fusarium sp.
6465 Fusarium sp.
6466 Unidentified sp.
6467 Paecilomyces crustaceus(?)
6468 Metarhizium anisopliae sensu lato
6469 Aspergillus flavus
6470 Mucor circinelloides
6471 Beauveria bassiana
6472 Metarhizium robertsii
6473 Septobasidium carestianum
6474 Metarhizium brunneum
6475 Metarhizium anisopliae sensu lato
6476 Metarhizium robertsii
6477 Metarhizium brunneum
6478 Beauveria bassiana
6479 Verticillium lecanii
6480 Verticillium sp.
6481 Isaria farinosa
6482 Isaria farinosa
6483 Beauveria bassiana
6484 Verticillium sp.
6485 Verticillium sp.
6486 Verticillium sp.
6487 Verticillium lecanii
6488 Isaria farinosa
6489 Isaria farinosa
6490 Isaria farinosa
6491 Isaria farinosa
6492 Aphanocladium album
6493 Isaria farinosa
6494 Purpureocillium lilacinum
6495 Isaria farinosa
6496 Isaria farinosa
6497 Isaria farinosa
6498 Verticillium sp.
6499 Beauveria bassiana
6500 Verticillium sp.
6501 Verticillium sp.
6502 Purpureocillium lilacinum
6503 Unidentified / Hyphomycetes
6504 Unidentified / Hyphomycetes
6505 Conidiobolus sp.
6507 Unidentified / Zygomycetes
6508 Unidentified / Zygomycetes
6509 Unidentified / Zygomycetes
6510 Unidentified / Zygomycetes
6511 Unidentified / Zygomycetes
6512 Conidiobolus coronatus
6513 Beauveria bassiana
6514 Beauveria bassiana
6515 Aspergillus nidulans(?)
6516 Cladosporium sphaerospermum
6517 Entomophthora thripidum
6518 Entomophthora thripidum
6519 Entomophthora thripidum
6520 Entomophthora thripidum
6521 Entomophthora thripidum
6522 Entomophthora thripidum
6523 Entomophaga maimaiga
6524 Entomophaga maimaiga
6525 Entomophthora thripidum
6526 Beauveria bassiana
6527 Beauveria bassiana
6528 Beauveria bassiana
6529 Beauveria bassiana
6530 Beauveria bassiana
6531 Beauveria bassiana
6532 Beauveria bassiana
6533 Beauveria sp.
6534 Beauveria sp.
6535 Beauveria sp.
6536 Beauveria sp.
6537 Beauveria sp.
6538 Pandora delphacis
6539 Pandora delphacis
6540 Verticillium lecanii
6541 Verticillium lecanii
6542 Verticillium lecanii
6543 Verticillium lecanii
6544 Verticillium lecanii
6545 Verticillium lecanii
6546 Metarhizium anisopliae sensu stricto
6547 Verticillium lecanii
6548 Verticillium lecanii
6549 Metarhizium anisopliae sensu lato
6550 Metarhizium anisopliae var. anisopliae
6551 Metarhizium anisopliae sensu lato
6552 Beauveria bassiana
6553 Beauveria bassiana
6554 Verticillium lecanii
6555 Beauveria bassiana
6556 Beauveria bassiana
6557 Beauveria bassiana
6558 Metarhizium anisopliae sensu lato
6559 Beauveria bassiana
6560 Beauveria bassiana
6561 Verticillium lecanii
6562 Isaria fumosorosea
6563 Beauveria bassiana
6564 Beauveria bassiana
6565 Beauveria bassiana
6566 Beauveria bassiana
6567 Beauveria bassiana
6568 Beauveria bassiana
6569 Metarhizium flavoviride var. pemphigum
6570 Metarhizium anisopliae sensu lato
6571 Aspergillus sp.
6572 Fusarium sp.
6573 Aspergillus sp.
6574 Aspergillus sp.
6575 Aspergillus sp.
6576 Fusarium sp.
6577 Beauveria amorpha
6578 Beauveria bassiana
6579 Gliocladium(?) sp.
6580 Verticillium sp.
6581 Lecanicillium psalliotae
6582 Lecanicillium psalliotae
6583 Gliocladium(?) sp.
6584 Simplicillium sp.
6585 Bipolaris sp.
6586 Cladosporium sp.
6587 Fusarium sp.
6588 Alternaria sp.
6589 Fusarium sp.
6590 Fusarium sp.
6591 Lecanicillium muscarium
6592 Metarhizium acridum
6593 Metarhizium flavoviride var. minus
6594 Metarhizium flavoviride var. minus
6595 Metarhizium flavoviride var. minus
6596 Metarhizium flavoviride var. minus
6597 Metarhizium acridum
6598 Metarhizium acridum
6599 Metarhizium flavoviride var. minus
6600 Metarhizium acridum
6601 Metarhizium flavoviride var. minus
6602 Fusarium sp.
6603 Penicillium sp.
6604 Aspergillus sp.
6605 Zoophthora radicans
6606 Verticillium lecanii
6607 Isaria farinosa
6608 Beauveria bassiana(?)
6609 Isaria farinosa
6610 Isaria fumosorosea
6611 Isaria farinosa
6612 Beauveria bassiana
6613 Beauveria bassiana
6614 Beauveria bassiana
6615 Isaria fumosorosea
6616 Beauveria bassiana
6617 Beauveria bassiana
6618 Beauveria bassiana
6619 Isaria farinosa
6620 Beauveria bassiana
6621 Purpureocillium lilacinum
6622 Fusarium oxysporum(?)
6623 Isaria farinosa
6624 Scopulariopsis sp.
6625 Entomophaga maimaiga
6626 Entomophaga maimaiga
6627 Entomophaga maimaiga
6628 Entomophaga maimaiga
6629 Entomophaga maimaiga
6630 Entomophaga maimaiga
6631 Pandora neoaphidis
6632 Gliocladium sp.
6633 Hirsutella thompsonii
6634 Tolypocladium sp.
6635 Evlachovaea sp.
6636 Simplicillium lanosoniveum
6637 Simplicillium lanosoniveum
6638 Evlachovaea sp.
6639 Evlachovaea sp.
6640 Evlachovaea sp.
6641 Evlachovaea sp.
6642 Simplicillium lanosoniveum
6643 Beauveria bassiana
6644 Beauveria bassiana
6645 Nomuraea rileyi
6646 Beauveria bassiana
6647 Beauveria bassiana
6648 Beauveria bassiana
6649 Fusarium sp.
6650 Beauveria bassiana
6651 Verticillium lecanii
6652 Entomophaga maimaiga
6653 Entomophaga maimaiga
6654 Entomophaga maimaiga
6655 Entomophaga maimaiga
6656 Entomophaga maimaiga
6657 Entomophaga maimaiga
6658 Beauveria bassiana
6659 Conidiobolus sp.
6660 Beauveria bassiana
6661 Beauveria bassiana
6662 Conidiobolus thromboides
6663 Entomophaga maimaiga
6664 Entomophaga maimaiga
6665 Entomophaga maimaiga
6666 Entomophaga maimaiga
6667 Entomophaga maimaiga
6668 Entomophaga maimaiga

6669 Beauveria bassiana
6670 Metarhizium anisopliae sensu lato
6671 Metarhizium anisopliae sensu lato
6672 Metarhizium anisopliae sensu lato
6673 Metarhizium anisopliae sensu lato
6674 Metarhizium anisopliae sensu lato
6675 Metarhizium anisopliae sensu lato
6676 Beauveria bassiana
6677 Metarhizium anisopliae sensu lato
6678 Metarhizium anisopliae sensu lato
6679 Metarhizium anisopliae sensu lato
6680 Metarhizium anisopliae sensu lato
6681 Beauveria bassiana
6682 Metarhizium anisopliae sensu lato
6683 Metarhizium anisopliae sensu lato
6684 Metarhizium anisopliae sensu lato
6685 Metarhizium anisopliae sensu lato
6686 Beauveria bassiana
6687 Beauveria bassiana
6688 Beauveria bassiana
6689 Beauveria bassiana
6690 Beauveria bassiana
6691 Beauveria sp.
6692 Beauveria bassiana
6693 Beauveria bassiana
6694 Metarhizium anisopliae sensu lato
6695 Beauveria bassiana
6696 Beauveria bassiana
6697 Beauveria bassiana
6698 Metarhizium anisopliae sensu lato
6699 Lecanicillium muscarium
6700 Metarhizium anisopliae sensu lato
6701 Entomophthora muscae
6702 Entomophthora syrphi
6703 Entomophthora schizophorae
6704 Entomophthora scatophagae
6705 Entomophthora scatophagae
6706 Entomophthora muscae
6707 Entomophthora muscae
6708 Entomophthora muscae
6709 Entomophthora muscae
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6713 Entomophthora muscae
6714 Entomophthora muscae
6715 Entomophthora muscae
6716 Entomophthora muscae
6717 Entomophthora muscae
6718 Leptolegnia chapmanii
6719 Cordyceps staphylinidaecola
6720 Cordyceps staphylinidaecola
6721 Beauveria bassiana
6722 Beauveria bassiana
6723 Beauveria bassiana
6724 Entomophaga maimaiga
6725 Entomophaga maimaiga
6726 Entomophaga maimaiga
6727 Entomophaga maimaiga
6728 Entomophaga maimaiga
6729 Entomophaga maimaiga
6730 Isaria fumosorosea
6732 Nomuraea rileyi
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6748 Nomuraea rileyi
6749 Nomuraea rileyi
6750 Metarhizium taii
6751 Metarhizium taii
6752 Metarhizium taii
6753 Metarhizium taii
6754 Metarhizium taii
6755 Metarhizium robertsii
6756 Metarhizium anisopliae sensu lato
6757 Metarhizium anisopliae sensu lato
6758 Metarhizium anisopliae sensu lato
6759 Metarhizium anisopliae sensu lato
6760 Metarhizium anisopliae sensu lato
6761 Metarhizium anisopliae sensu lato
6762 Metarhizium anisopliae sensu lato
6763 Metarhizium anisopliae sensu lato
6764 Nomuraea rileyi
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6783 Nomuraea rileyi
6784 Nomuraea rileyi
6785 Nomuraea rileyi
6786 Nomuraea rileyi
6787 Nomuraea rileyi
6788 Isaria tenuipes
6789 Isaria fumosorosea
6790 Fusarium sp.
6791 Lecanicillium lecanii
6792 Lecanicillium muscarium
6793 Beauveria bassiana
6794 Beauveria bassiana
6795 Beauveria bassiana
6796 Beauveria bassiana
6797 Isaria fumosorosea
6798 Isaria fumosorosea
6799 Isaria fumosorosea
6800 Isaria fumosorosea
6801 Beauveria bassiana
6802 Beauveria bassiana
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6808 Beauveria bassiana
6809 Beauveria bassiana
6810 Smittium culisetae
6811 Entomophthora muscae
6812 Entomophthora muscae
6813 Entomophthora muscae
6814 Entomophthora muscae
6815 Entomophthora muscae
6816 Entomophthora schizophorae
6817 Entomophthora schizophorae
6818 Entomophthora muscae
6819 Entomophthora syrphi
6820 Entomophthora syrphi
6821 Entomophthora muscae
6822 Beauveria bassiana
6823 Beauveria bassiana
6824 Beauveria bassiana
6825 Beauveria bassiana
6826 Beauveria bassiana
6827 Beauveria amorpha(?)
6828 Cordyceps gunnii
6829 Metarhizium anisopliae sensu lato
6830 Metarhizium anisopliae sensu lato
6831 Metarhizium anisopliae sensu lato
6832 Metarhizium anisopliae sensu lato
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6838 Metarhizium anisopliae sensu lato
6839 Metarhizium anisopliae sensu lato
6840 Metarhizium anisopliae sensu lato
6841 Metarhizium robertsii
6842 Metarhizium robertsii
6843 Metarhizium robertsii
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6845 Metarhizium robertsii
6846 Metarhizium robertsii
6847 Metarhizium robertsii
6848 Metarhizium robertsii
6849 Metarhizium anisopliae sensu lato
6850 Metarhizium anisopliae sensu lato
6851 Metarhizium acridum
6852 Metarhizium acridum
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6856 Metarhizium acridum
6857 Metarhizium acridum
6858 Metarhizium acridum
6859 Metarhizium acridum
6860 Metarhizium anisopliae sensu lato
6861 Metarhizium anisopliae sensu lato
6862 Metarhizium anisopliae sensu lato
6863 Metarhizium anisopliae sensu lato
6864 Metarhizium robertsii
6865 Metarhizium robertsii
6866 Nomuraea rileyi
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6880 Nomuraea rileyi
6881 Nomuraea rileyi
6882 Nomuraea rileyi
6883 Paecilomyces sp.
6884 Beauveria bassiana
6885 Beauveria bassiana
6886 Lecanicillium lecanii
6887 Lecanicillium lecanii
6888 Lecanicillium lecanii
6889 Isaria tenuipes
6890 Beauveria bassiana(?)
6891 Beauveria bassiana(?)
6892 Beauveria bassiana(?)
6893 Isaria fumosorosea
6894 Beauveria bassiana
6895 Unidentified sp.
6896 Gliocladium(?) sp.
6897 Beauveria bassiana
6898 Aspergillus sp.
6899 Unidentified sp.
6900 Beauveria bassiana
6901 Metarhizium anisopliae sensu lato
6902 Pandora neoaphidis
6903 Beauveria bassiana
6904 Beauveria bassiana
6905 Beauveria bassiana
6906 Beauveria bassiana
6907 Beauveria bassiana
6908 Beauveria bassiana
6909 Metarhizium anisopliae sensu lato
6910 Metarhizium anisopliae sensu lato
6911 Metarhizium anisopliae sensu lato
6912 Aschersonia insperata
6913 Conidiobolus antarcticus
6914 Lecanicillium muscarium
6915 Lecanicillium lecanii
6916 Isaria fumosorosea
6917 Zoophthora radicans
6918 Entomophthora muscae
6919 Ophiocordyceps heteropoda
6920 Beauveria bassiana
6921 Beauveria bassiana
6922 Beauveria bassiana
6923 Beauveria bassiana
6924 Beauveria bassiana
6925 Isaria sinclairii
6926 Nomuraea cylindrospora
6927 Nomuraea viridulus
6928 Fusarium sp.
6929 Beauveria bassiana
6930 Metarhizium anisopliae sensu lato
6931 Beauveria bassiana
6932 Beauveria bassiana
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6957 Beauveria bassiana
6958 Metarhizium anisopliae sensu lato
6959 Metarhizium anisopliae sensu lato
6960 Metarhizium anisopliae sensu lato
6961 Ophiocordyceps robertsii
6962 Drechmeria coniospora
6963 Drechmeria coniospora
6964 Drechmeria coniospora
6965 Drechmeria coniospora
6966 Drechmeria coniospora
6967 Beauveria bassiana
6968 Beauveria bassiana
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6979 Beauveria bassiana
6980 Beauveria bassiana
6981 Beauveria bassiana
6982 Beauveria bassiana
6983 Isaria farinosa
6984 Beauveria bassiana
6985 Purpureocillium lilacinum
6986 Beauveria bassiana
6987 Beauveria bassiana
6988 Beauveria bassiana
6989 Metarhizium anisopliae sensu lato
6990 Metarhizium anisopliae sensu lato
6991 Metarhizium anisopliae sensu lato
6992 Metarhizium anisopliae sensu lato
6993 Metarhizium anisopliae sensu lato
6994 Metarhizium anisopliae sensu lato
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7007 Metarhizium anisopliae sensu lato
7008 Metarhizium anisopliae sensu lato
7009 Metarhizium anisopliae sensu lato
7010 Conidiobolus coronatus
7011 Conidiobolus coronatus
7012 Conidiobolus coronatus
7013 Conidiobolus coronatus
7014 Metarhizium anisopliae sensu lato
7015 Metarhizium anisopliae sensu lato
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7024 Metarhizium anisopliae sensu lato
7025 Metarhizium anisopliae sensu lato
7026 Metarhizium anisopliae sensu lato
7027 Aspergillus ochraceus(?)
7028 Isaria poprawskii
7029 Isaria fumosorosea
7030 Beauveria bassiana
7031 Acremonium(?) sp.
7032 Beauveria kipukae
7033 Cladosporium cladosporioides(?)
7034 Lecanicillium muscarium
7035 Cladosporium sp.
7036 Acremonium(?) sp.
7037 Lecanicillium muscarium
7038 Sporothrix sp.
7039 Cladosporium sp.
7040 Paecilomyces reniformis
7041 Paecilomyces reniformis
7042 Sporothrix sp.
7043 Beauveria sungii
7044 Beauveria sungii
7045 Fusarium sp.
7046 Fusarium sp.
7047 Cordyceps bassiana
7048 Aspergillus sp.
7049 Beauveria bassiana
7050 Isaria fumosorosea
7051 Isaria fumosorosea
7052 Nomuraea rileyi
7053 Nomuraea rileyi
7054 Nomuraea rileyi
7055 Nomuraea rileyi
7056 Nomuraea rileyi
7057 Penicillium vulpinum
7058 Beauveria brongniartii
7059 Metarhizium anisopliae sensu lato
7060 Beauveria bassiana
7061 Beauveria bassiana
7062 Beauveria bassiana
7063 Fusarium sp.
7064 Paecilomyces sp.
7065 Paecilomyces sp.
7066 Unidentified / Hyphomycetes
7067 Unidentified / Hyphomycetes
7068 Batkoa papillata(?)
7069 Isaria fumosorosea
7070 Unidentified sp.
7071 Aschersonia sp.
7072 Tilachlidium sp.
7073 Aschersonia sp.
7074 Unidentified / Hyphomycetes
7075 Paecilomyces sp.
7076 Unidentified / Hyphomycetes
7077 Aschersonia sp.
7078 Unidentified / Hyphomycetes
7079 Beauveria sp.
7080 Aschersonia turbinata
7081 Unidentified / Hyphomycetes
7082 Aschersonia sp.
7083 Aschersonia sp.
7084 Aschersonia sp.
7085 Aschersonia sp.
7086 Unidentified / Hyphomycetes
7087 Aschersonia sp.
7088 Torrubiella sp.
7089 Balansia sp.

7090 Clavicipitaceae anamorph
7091 Aschersonia sp.
7092 Aschersonia sp.
7093 Beauveria bassiana
7094 Isaria farinosa
7095 Polycephalomyces ramosus
7096 Septobasidium apiculatum
7097 Septobasidium burtii
7098 Septobasidium burtii
7099 Penicillium sumatrense
7100 Smittium culisetae
7101 Entomophaga maimaiga
7102 Entomophaga maimaiga
7103 Entomophaga maimaiga
7104 Entomophaga maimaiga
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7112 Entomophaga maimaiga
7113 Entomophaga maimaiga
7114 Entomophaga maimaiga
7115 Entomophaga maimaiga
7116 Entomophaga maimaiga
7117 Beauveria caledonica
7118 Isaria farinosa
7119 Isaria javanica
7120 Entomophaga maimaiga
7121 Entomophaga maimaiga
7122 Entomophaga maimaiga
7123 Entomophaga maimaiga
7124 Entomophaga maimaiga
7125 Entomophaga maimaiga
7126 Entomophaga maimaiga
7127 Entomophaga maimaiga
7128 Pochonia chlamydosporia
7129 Tolypocladium cylindrosporum
7130 Nomuraea atypicola
7131 Entomophaga maimaiga
7132 Entomophaga maimaiga
7133 Entomophaga maimaiga
7134 Entomophaga maimaiga
7135 Entomophaga maimaiga
7136 Entomophaga maimaiga
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7138 Entomophaga maimaiga
7139 Entomophaga maimaiga
7140 Entomophaga aulicae
7141 Entomophaga aulicae
7142 Entomophaga aulicae
7143 Entomophaga aulicae
7144 Entomophaga aulicae
7145 Entomophaga aulicae
7146 Candida cf. pseudoglaebosa
7147 Beauveria bassiana
7148 Nomuraea rileyi
7149 Nomuraea rileyi
7150 Nomuraea rileyi
7151 Nomuraea rileyi
7152 Beauveria bassiana
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7179 Beauveria bassiana
7180 Metarhizium anisopliae sensu lato
7181 Lecanicillium lecanii
7182 Lecanicillium lecanii
7183 Entomophaga maimaiga
7184 Entomophaga maimaiga
7185 Entomophaga maimaiga
7186 Entomophaga maimaiga
7187 Entomophaga maimaiga
7188 Entomophaga maimaiga
7189 Entomophaga maimaiga
7190 Entomophaga maimaiga
7191 Batrachochytrium dendrobatidis
7192 Cordyceps cardinalis
7193 Cordyceps cardinalis
7194 Cordyceps cardinalis
7195 Cordyceps cardinalis
7196 Cordyceps cardinalis
7197 Cordyceps cardinalis
7198 Cordyceps cardinalis
7199 Cordyceps cardinalis
7200 Clonostachys rosea
7201 Beauveria bassiana
7202 Beauveria bassiana
7203 Conidiobolus coronatus
7204 Isaria fumosorosea
7205 Isaria fumosorosea
7206 Lecanicillium longisporum
7207 Lecanicillium lecanii
7208 Zoophthora radicans
7209 Conidiobolus thromboides
7210 Conidiobolus thromboides
7211 Conidiobolus thromboides
7212 Pandora neoaphidis
7213 Pandora neoaphidis
7214 Pandora neoaphidis
7215 Conidiobolus thromboides
7216 Conidiobolus sp.
7217 Conidiobolus obscurus
7218 Evlachovaea kintrischica
7219 Isaria farinosa(?)
7220 Ophiocordyceps nutans
7221 Cordyceps pruinosa
7222 Cordyceps pseudoinsignis
7223 Torrubiella sp.
7224 Lecanicillium muscarium
7226 Pandora neoaphidis
7227 Unidentified Entomophthorales sp.
7228 Unidentified Entomophthorales sp.
7229 Unidentified Entomophthorales sp.
7230 Unidentified Entomophthorales sp.
7231 Nomuraea atypicola
7232 Torrubiella piperis
7233 Fusarium sp.
7234 Metarhizium brunneum
7235 Beauveria bassiana
7236 Beauveria bassiana
7237 Beauveria bassiana
7238 Beauveria bassiana
7239 Beauveria bassiana
7240 Beauveria bassiana
7241 Beauveria bassiana
7242 Beauveria pseudobassiana
7243 Isaria farinosa
7244 Beauveria bassiana
7245 Isaria farinosa
7246 Beauveria bassiana
7247 Beauveria bassiana
7248 Lecanicillium muscarium
7249 Isaria farinosa
7250 Beauveria bassiana
7251 Beauveria bassiana
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7253 Beauveria bassiana
7254 Beauveria bassiana
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7260 Beauveria bassiana
7261 Beauveria bassiana
7262 Isaria farinosa
7263 Isaria farinosa
7264 Beauveria bassiana
7265 Beauveria bassiana
7266 Beauveria bassiana
7267 Beauveria bassiana
7268 Beauveria brongniartii
7269 Beauveria bassiana
7270 Beauveria bassiana
7271 Beauveria bassiana
7272 Beauveria bassiana
7273 Beauveria bassiana
7274 Beauveria bassiana
7275 Beauveria bassiana
7276 Isaria farinosa
7277 Cordyceps scarabaeicola
7278 Cordyceps scarabaeicola
7279 Beauveria sungii
7280 Beauveria sungii
7281 Beauveria sungii
7282 Acremonium alternatum
7283 Fusarium sp.
7284 Isaria fumosorosea
7285 Syspastospora parasitica
7286 Hirsutella rhossiliensis
7287 Hirsutella rhossiliensis
7288 Hirsutella minnesotensis
7289 Hirsutella minnesotensis
7290 Hirsutella minnesotensis
7291 Hirsutella minnesotensis
7292 Hirsutella rhossiliensis
7293 Hirsutella rhossiliensis
7294 Hirsutella minnesotensis
7295 Hirsutella rhossiliensis
7296 Aschersonia turbinata
7297 Aschersonia turbinata
7298 Aschersonia turbinata
7299 Aschersonia turbinata
7300 Aschersonia turbinata

7301 Aschersonia turbinata
7302 Aschersonia turbinata
7303 Aschersonia turbinata
7304 Aschersonia turbinata
7305 Aschersonia turbinata
7306 Aschersonia turbinata
7307 Aschersonia cubensis
7308 Aschersonia cubensis
7309 Aschersonia cubensis
7310 Aschersonia sp.
7311 Aschersonia sp.
7312 Aschersonia cubensis
7313 Aschersonia sp.
7314 Aschersonia sp.
7315 Aschersonia turbinata
7316 Aschersonia turbinata
7317 Aschersonia sp.
7318 Aschersonia sp.
7319 Aschersonia sp.
7320 Aschersonia sp.
7321 Aschersonia sp.
7322 Aschersonia sp.
7323 Aschersonia sp.
7324 Aschersonia sp.
7325 Aschersonia sp.
7326 Aschersonia sp.
7327 Aschersonia sp.
7328 Aschersonia sp.
7329 Aschersonia sp.
7331 Aschersonia turbinata
7332 Aschersonia turbinata
7333 Aschersonia turbinata
7334 Aschersonia cubensis
7335 Aschersonia turbinata
7336 Aschersonia turbinata
7337 Aschersonia sp.
7338 Aschersonia sp.
7339 Aschersonia aleyrodis
7340 Aschersonia aleyrodis
7341 Aschersonia andropogonis
7342 Aschersonia andropogonis
7343 Aschersonia aleyrodis
7344 Aschersonia aleyrodis
7345 Unidentified / Hyphomycetes
7346 Hirsutella sp.
7347 Isaria fumosorosea
7348 Nomuraea atypicola
7349 Unidentified / Hyphomycetes
7350 Unidentified / Hyphomycetes
7351 Akanthomyces aculeatus
7352 Entomophaga maimaiga
7353 Entomophaga maimaiga
7354 Ascopolyporus philodendrus
7355 Ascopolyporus villosus
7356 Beauveria bassiana
7357 Beauveria bassiana
7358 Beauveria bassiana
7359 Beauveria bassiana
7362 Beauveria bassiana
7363 Beauveria bassiana
7364 Beauveria bassiana
7365 Beauveria bassiana
7368 Ascosphaera sp.
7369
7370 Batkoa sp.
7371 Entomophthora muscae
7372 Evlachovaea sp.
7373 Lecanicillium sp.
7374 Unidentified / Hyphomycetes
7375 Lecanicillium muscarium
7376 Beauveria brongniartii
7377 Beauveria bassiana
7378 Beauveria bassiana
7379 Beauveria bassiana
7380 Beauveria bassiana
7381 Fusarium sp.
7382 Fusarium sp.
7383 Unidentified / Hyphomycetes
7384 Unidentified / Hyphomycetes
7385 Lecanicillium lecanii
7386 Unidentified / Hyphomycetes
7387 Gibellula sp.
7388 Paecilomyces sp.
7389 Metarhizium sp.
7390 Aschersonia rhombispora
7391 Aschersonia andropogonis
7392 Unidentified / Hyphomycetes
7393 Aschersonia aleyrodis
7394 Aschersonia aleyrodis
7395 Aschersonia rhombispora
7396 Hypocrella andropogonis
7397 Hypocrella andropogonis
7398 Aschersonia andropogonis
7399 Aschersonia rhombispora
7400 Aschersonia rhombispora
7401 Hypocrella phyllogena
7402 Acremonium sp.
7403 Evlachovaea sp.
7404 Beauveria bassiana
7405 Ascosphaera apis
7406 Ascosphaera apis
7407 Lecanicillium sp.
7408 Lecanicillium lecanii
7409 Fusarium coccophilum
7410 Metarhizium pingshaense
7411 Metarhizium anisopliae sensu lato
7412 Metarhizium lepidiotae
7413 Metarhizium robertsii
7414 Metarhizium pingshaense
7415 Metarhizium pingshaense
7416 Metarhizium pingshaense
7417 Metarhizium pingshaense
7418 Metarhizium anisopliae sensu stricto
7419 Metarhizium anisopliae sensu stricto
7420 Metarhizium guizhouense
7421 Metarhizium pingshaense
7422 Metarhizium pingshaense
7423 Metarhizium anisopliae sensu stricto
7424 Metarhizium robertsii
7425 Metarhizium pingshaense
7426 Metarhizium anisopliae sensu stricto
7427 Metarhizium anisopliae sensu stricto
7428 Metarhizium anisopliae sensu stricto
7429 Metarhizium pingshaense
7430 Metarhizium anisopliae sensu stricto
7431 Metarhizium pingshaense
7432 Metarhizium anisopliae sensu stricto
7433 Metarhizium brunneum
7434 Metarhizium brunneum
7435 Metarhizium pingshaense
7436 Metarhizium frigidum
7437 Metarhizium frigidum
7438 Metarhizium frigidum
7439 Metarhizium frigidum
7440 Metarhizium frigidum
7441 Metarhizium frigidum
7442 Metarhizium frigidum
7443 Metarhizium frigidum
7444 Metarhizium frigidum
7445 Metarhizium frigidum
7446 Metarhizium frigidum
7447 Metarhizium frigidum
7448 Metarhizium frigidum
7449 Metarhizium robertsii
7450 Metarhizium anisopliae sensu stricto
7451 Metarhizium anisopliae sensu lato
7452 Metarhizium anisopliae sensu lato
7453 Metarhizium anisopliae var. lepidiotae
7454 Zoophthora sp.
7455 Zoophthora radicans
7456 Tolypocladium cylindrosporum
7457 Lecanicillium longisporum
7458 Lecanicillium longisporum
7459 Lecanicillium longisporum
7460 Lecanicillium muscarium
7461 Lecanicillium longisporum
7462 Lecanicillium lecanii
7463 Beauveria sp.
7464 Beauveria bassiana
7465 Beauveria bassiana
7466 Beauveria bassiana
7467 Beauveria bassiana
7468 Beauveria bassiana
7469 Beauveria bassiana
7470 Beauveria bassiana
7471 Beauveria bassiana
7472 Clonostachys rosea
7473 Fusarium sp.
7474 Metarhizium anisopliae sensu lato
7475 Metarhizium anisopliae sensu lato
7476 Metarhizium anisopliae sensu lato
7477 Isaria javanica
7478 Purpureocillium lilacinum
7479 Nomuraea rileyi
7480 Nomuraea rileyi
7481 Nomuraea rileyi
7482 Nomuraea rileyi
7483 Nomuraea rileyi
7484 Nomuraea rileyi
7485 Metarhizium anisopliae sensu lato
7486 Metarhizium acridum
7487 Metarhizium anisopliae sensu stricto
7488 Metarhizium lepidiotae
7489 Metarhizium anisopliae sensu lato
7490 Metarhizium anisopliae sensu lato
7491 Metarhizium flavoviride var. pemphigum
7492 Metarhizium anisopliae sensu lato
7493 Metarhizium sp.
7494 Metarhizium anisopliae sensu lato
7495 Metarhizium sp.
7496 Metarhizium anisopliae sensu lato
7497 Metarhizium sp.
7498 Metarhizium anisopliae sensu lato
7499 Metarhizium anisopliae sensu lato
7500 Metarhizium anisopliae sensu lato
7501 Metarhizium robertsii
7502 Metarhizium guizhouense
7503 Metarhizium anisopliae sensu lato
7504 Metarhizium anisopliae sensu lato
7505 Metarhizium majus
7506 Metarhizium anisopliae sensu lato
7507 Metarhizium guizhouense
7508 Clavicipitaceae anamorph
7509 Clavicipitaceae anamorph
7510 Clavicipitaceae anamorph
7511 Clavicipitaceae anamorph
7514 Clavicipitaceae anamorph
7515 Clavicipitaceae anamorph

7516 Cordyceps brongniartii
7517 Cordyceps brongniartii
7518 Unidentified / Hyphomycetes
7519 Beauveria bassiana
7520 Beauveria bassiana
7521 Beauveria bassiana
7522 Metarhizium anisopliae var. acridum
7523 Isaria fumosorosea
7524 Metarhizium anisopliae sensu lato
7525 Beauveria bassiana
7526 Beauveria bassiana
7527 Metarhizium anisopliae sensu lato
7528 Beauveria brongniartii
7529 Metarhizium anisopliae sensu lato
7530 Lecanicillium lecanii
7531 Isaria farinosa
7532 Metarhizium anisopliae sensu lato
7533 Beauveria bassiana
7534 Beauveria bassiana
7535 Metarhizium anisopliae sensu lato
7536 Metarhizium anisopliae sensu lato
7537 Metarhizium anisopliae sensu lato
7538 Metarhizium anisopliae sensu lato
7539 Tolypocladium cylindrosporum
7540 Beauveria bassiana
7541 Beauveria bassiana
7542 Beauveria amorpha
7543 Evlachovaea sp.
7544 Lecanicillium sp.
7545 Purpureocillium lilacinum
7546 Purpureocillium lilacinum
7547 Purpureocillium lilacinum
7548 Purpureocillium lilacinum
7550 Lecanicillium lecanii
7551 Evlachovaea sp.
7552 Beauveria bassiana
7553 Beauveria bassiana
7554 Beauveria bassiana
7555 Beauveria brongniartii
7556 Beauveria brongniartii
7557 Beauveria brongniartii
7558 Beauveria brongniartii
7559 Beauveria brongniartii
7560 Beauveria brongniartii
7561 Beauveria brongniartii
7562 Beauveria sp.
7563 Beauveria sp.
7564 Beauveria sp.
7565 Beauveria sp.
7566 Beauveria sp.
7567 Beauveria sp.
7568 Lecanicillium muscarium
7569 Metarhizium anisopliae sensu lato
7570 Metarhizium anisopliae sensu lato
7571 Metarhizium anisopliae sensu lato
7572 Metarhizium anisopliae sensu lato
7573 Metarhizium anisopliae sensu lato
7574 Isaria farinosa
7575 Isaria farinosa
7576 Isaria farinosa
7577 Akanthomyces clavatus
7578 Hirsutella sp.
7579 Beauveria sp.
7580 Beauveria sp.
7581 Beauveria bassiana
7582 Beauveria sp.
7583 Beauveria bassiana
7584 Beauveria sp.
7585 Beauveria bassiana
7586 Beauveria sp.
7587 Beauveria sp.
7588 Beauveria sp.
7589 Beauveria sp.
7590 Beauveria bassiana
7591 Beauveria sp.
7592 Beauveria bassiana
7593 Beauveria bassiana
7594 Beauveria sp.
7595 Beauveria sp.
7596 Beauveria bassiana
7597 Beauveria sp.
7598 Beauveria sp.
7599 Evlachovaea sp.
7600 Evlachovaea sp.
7601 Evlachovaea sp.
7602 Evlachovaea sp.
7603 Aschersonia placenta
7604 Aschersonia placenta
7605 Hypocrella javanica
7606 Hypocrella raciborskii
7607 Aschersonia placenta
7608 Aschersonia andropogonis
7609 Aschersonia placenta
7610 Clavicipitaceae anamorph
7611 Aschersonia basicystis
7612 Metarhizium anisopliae sensu lato
7613 Metarhizium anisopliae sensu lato
7614 Metarhizium anisopliae sensu lato
7615 Metarhizium anisopliae sensu lato
7616 Aschersonia placenta
7617 Aschersonia aleyrodis
7618 Clavicipitaceae anamorph
7619 Clavicipitaceae anamorph
7620 Lecanicillium muscarium
7621 Lecanicillium muscarium
7622 Lecanicillium sp.
7623 Simplicillium lanosoniveum
7624 Lecanicillium sp.
7625 Lecanicillium sp.
7626 Lecanicillium sp.
7627 Lecanicillium sp.
7628 Lecanicillium sp.
7629 Lecanicillium sp.
7630 Lecanicillium sp.
7631 Lecanicillium muscarium
7632 Lecanicillium sp.
7633 Lecanicillium muscarium
7634 Lecanicillium sp.
7635 Lecanicillium sp.
7636 Lecanicillium sp.
7637 Aschersonia placenta
7638 Aschersonia andropogonis
7639 Aschersonia andropogonis
7640 Clavicipitaceae anamorph
7641 Aschersonia aleyrodis
7642 Aschersonia aleyrodis
7643 Metarhizium sp.
7644 Metarhizium anisopliae sensu lato
7645 Metarhizium sp.
7646 Clavicipitaceae anamorph
7647 Aschersonia cubensis
7648 Aschersonia cubensis
7649 Clavicipitaceae anamorph
7650 Aschersonia viridans
7652 Aschersonia viridans
7653 Aschersonia viridans
7654 Clavicipitaceae anamorph
7655 Hyperdermium sp.
7656 Aschersonia sp.
7657 Clavicipitaceae anamorph
7658 Torrubiella(?) sp.
7659 Aschersonia aleyrodis
7660 Aschersonia andropogonis
7661 Aschersonia placenta
7662 Aschersonia andropogonis
7663 Hypocrella discoidea
7664 Hypocrella sp.
7665 Clavicipitaceae anamorph
7666 Aschersonia aleyrodis
7667 Hypocrella amazonica
7668 Hypocrella discoidea
7669 Hypocrella amazonica
7670 Aschersonia incrassata
7671 Aschersonia cubensis
7672 Aschersonia andropogonis
7673 Torrubiella sp.
7674 Aschersonia viridans
7675 Aschersonia turbinata
7676 Aschersonia cubensis
7677 Aschersonia aleyrodis
7678 Unidentified / Hyphomycetes
7679 Unidentified / Hyphomycetes
7680 Hypocrella amazonica
7681 Hypocrella discoidea
7682 Regiocrella camerunensis
7683 Clavicipitaceae anamorph
7684 Clavicipitaceae anamorph
7685 Aschersonia andropogonis
7686 Aschersonia placenta
7687 Clavicipitaceae anamorph
7688 Clavicipitaceae anamorph
7689 Clavicipitaceae anamorph
7690 Clavicipitaceae anamorph
7691 Clavicipitaceae anamorph
7692 Clavicipitaceae anamorph
7693 Clavicipitaceae anamorph
7694 Clavicipitaceae anamorph
7695 Clavicipitaceae anamorph
7696 Hypocrella africana
7697 Aschersonia napoleonae
7698 Aschersonia andropogonis
7699 Aschersonia sp.
7700 Aschersonia cubensis
7701 Torrubiella sp.
7702 Aschersonia cubensis
7703 Aschersonia cubensis
7704 Aschersonia cubensis
7705 Hypocrella sp.
7706 Aschersonia aleyrodis
7707 Aschersonia aleyrodis
7708 Torrubiella sp.
7709 Gibellula sp.
7710 Hypocrea rufa
7711 Metarhizium brunneum
7712 Engyodontium album
7713 Engyodontium album
7714 Isaria farinosa
7715 Isaria farinosa
7716 Isaria fumosorosea
7717 Isaria farinosa
7718 Isaria farinosa
7719 Isaria farinosa
7720 Isaria farinosa
7721 Paecilomyces sp.
7722 Isaria farinosa
7723 Isaria farinosa
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7731 Isaria farinosa
7732 Isaria farinosa
7733 Isaria farinosa
7734 Isaria farinosa
7735 Isaria tenuipes
7736 Isaria farinosa
7737 Isaria farinosa
7738 Lecanicillium muscarium
7739 Isaria farinosa
7740 Isaria fumosorosea
7741 Paecilomyces sp.
7742 Paecilomyces sp.
7743 Isaria fumosorosea
7744 Paecilomyces sp.
7745 Paecilomyces sp.
7746 Paecilomyces sp.
7747 Paecilomyces sp.
7748 Hypocrella macrostroma
7749 Aschersonia basicystis
7750 Aschersonia basicystis
7751 Aschersonia sp.
7752 Hypocrella phyllogena
7753 Clavicipitaceae anamorph
7754 Aschersonia andropogonis
7755 Aschersonia andropogonis
7756 Paecilomyces sp.
7757 Myrothecium verrucaria
7758 Beauveria bassiana
7759 Spicellum ovalispora
7760 Beauveria malawiensis
7761 Beauveria brongniartii
7762 Beauveria brongniartii
7763 Beauveria bassiana
7764 Beauveria bassiana
7765 Beauveria bassiana
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7772 Beauveria bassiana
7773 Beauveria bassiana
7774 Beauveria bassiana
7775 Beauveria bassiana
7776 Beauveria bassiana
7777 Isaria farinosa
7778 Nomuraea rileyi
7779 Nomuraea rileyi
7780 Nomuraea rileyi
7781 Lecanicillium muscarium
7782 Lecanicillium muscarium
7783 Lecanicillium longisporum
7784 Lecanicillium longisporum
7785 Lecanicillium muscarium
7786 Conidiobolus sp.
7787 Leptolegnia chapmanii
7788 Zoophthora radicans
7789 Zoophthora radicans
7790 Isaria tenuipes
7791 Nomuraea rileyi
7792 Nomuraea rileyi
7793 Nomuraea rileyi
7794 Nomuraea rileyi
7795 Beauveria bassiana
7796 Beauveria bassiana
7797 Aspergillus niger
7798 Aspergillus niger
7799 Aspergillus niger
7800 Paecilomyces sp.
7801 Paecilomyces sp.
7802 Unidentified / Hyphomycetes
7803 Paecilomyces sp.
7804 Myrothecium sp.
7805 Engyodontium rectidentatum
7806 Unidentified / Hyphomycetes
7807 Cordyceps sp.
7808 Cordyceps sp.
7809 Cordyceps militaris
7810 Cordyceps militaris
7811 Cordyceps sp.
7812 Tolypocladium cylindrosporum
7813 Beauveria bassiana
7814 Metarhizium anisopliae sensu lato
7815 Metarhizium anisopliae sensu lato
7816 Metarhizium anisopliae sensu lato
7817 Metarhizium anisopliae sensu lato
7818 Metarhizium anisopliae sensu lato
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7839 Metarhizium anisopliae sensu lato
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7844 Metarhizium anisopliae sensu lato
7845 Metarhizium anisopliae sensu lato
7846 Metarhizium anisopliae sensu lato
7847 Metarhizium anisopliae sensu lato
7848 Cordyceps sp.
7849 Lecanicillium sp.
7850 Cordyceps spegazzinii
7851 Nomuraea sp.
7852 Pochonia chlamydosporia var. chlamydosporia
7853 Beauveria bassiana
7854 Metarhizium anisopliae sensu lato
7855 Metarhizium anisopliae sensu lato
7856 Metarhizium anisopliae sensu lato
7857 Metarhizium anisopliae sensu lato
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7861 Metarhizium anisopliae sensu lato
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7874 Metarhizium anisopliae sensu lato
7875 Metarhizium anisopliae sensu lato
7876 Metarhizium anisopliae sensu lato
7877 Beauveria bassiana
7878 Beauveria bassiana
7879 Metarhizium anisopliae sensu lato
7880 Metarhizium anisopliae sensu lato
7881 Metarhizium anisopliae sensu lato
7882 Metarhizium anisopliae sensu lato
7883 Metarhizium anisopliae sensu lato
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7886 Metarhizium anisopliae sensu lato
7887 Metarhizium anisopliae sensu lato
7888 Metarhizium anisopliae sensu lato
7889 Beauveria bassiana
7890 Beauveria bassiana
7891 Beauveria bassiana
7892 Metarhizium anisopliae sensu lato
7893 Metarhizium anisopliae sensu lato
7894 Metarhizium anisopliae sensu lato
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7905 Metarhizium anisopliae sensu lato
7906 Metarhizium anisopliae sensu lato
7907 Metarhizium anisopliae sensu lato
7908 Metarhizium anisopliae sensu lato
7909 Metarhizium anisopliae sensu lato
7910 Metarhizium anisopliae sensu lato
7911 Metarhizium anisopliae sensu lato
7912 Metarhizium anisopliae sensu lato
7913 Metarhizium anisopliae sensu lato
7914 Metarhizium anisopliae sensu lato
7915 Metarhizium anisopliae sensu lato
7916 Metarhizium anisopliae sensu lato
7917 Metarhizium anisopliae sensu lato
7918 Metarhizium anisopliae sensu lato
7919 Metarhizium anisopliae sensu lato
7920 Metarhizium anisopliae sensu lato
7921 Metarhizium anisopliae sensu lato
7922 Conidiobolus coronatus
7923 Lecanicillium longisporum
7924 Sporothrix insectorum
7925 Metarhizium anisopliae sensu lato
7926 Metarhizium anisopliae sensu lato
7927 Metarhizium anisopliae sensu lato
7928 Metarhizium anisopliae sensu lato
7929 Metarhizium pingshaense
7930 Metarhizium anisopliae sensu lato
7931 Metarhizium anisopliae sensu lato
7932 Metarhizium anisopliae sensu lato
7933 Metarhizium anisopliae sensu lato
7934 Metarhizium anisopliae sensu lato
7935 Metarhizium anisopliae sensu lato
7936 Metarhizium anisopliae sensu lato

7937 Pandora neoaphidis
7938 Pandora neoaphidis
7939 Pandora neoaphidis
7940 Beauveria bassiana
7941 Beauveria bassiana
7942 Conidiobolus sp.
7943 Unidentified / Zygomycetes
7944 Conidiobolus iuxtagenitus
7945 Ascosphaera larvis
7946 Ascosphaera larvis
7947 Beauveria bassiana
7948 Beauveria bassiana
7949 Beauveria bassiana
7950 Beauveria bassiana
7951 Beauveria bassiana
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7955 Beauveria bassiana
7956 Beauveria bassiana
7957 Beauveria bassiana
7958 Beauveria bassiana
7959 Beauveria bassiana
7960 Beauveria sp.
7961 Isaria farinosa
7962 Isaria farinosa
7963 Beauveria bassiana
7964 Beauveria bassiana
7965 Beauveria bassiana
7966 Beauveria bassiana
7967 Metarhizium anisopliae sensu lato
7968 Beauveria bassiana
7969 Beauveria bassiana
7970 Metarhizium anisopliae var. acridum
7971 Beauveria bassiana
7972 Beauveria bassiana
7973 Isaria cicadae(?)
7974 Penicillium sp.
7975 Aspergillus niger(?)
7976 Penicillium sp.
7977 Beauveria bassiana
7978 Beauveria bassiana
7979 Metarhizium anisopliae sensu stricto
7980 Metarhizium anisopliae sensu stricto
7981 Metarhizium anisopliae sensu stricto
7982 Beauveria sp.
7983 Beauveria bassiana
7984 Beauveria bassiana
7985 Lecanicillium aphanocladii(?)
7986 Lecanicillium aphanocladii(?)
7987 Lecanicillium aphanocladii(?)
7988 Simplicillium lanosoniveum(?)
7989 Simplicillium lamellicola(?)
7990 Evlachovaea sp.
7991 Evlachovaea sp.
7992 Evlachovaea sp.
7993 Evlachovaea sp.
7994 Lecanicillium muscarium
7995 Paecilomyces sp.
7996 Paecilomyces sp.
7997 Paecilomyces sp.
7998 Paecilomyces sp.
7999 Paecilomyces sp.
8000 Schizangiella serpentis
8001 Paecilomyces sp.
8002 Paecilomyces sp.
8003 Paecilomyces sp.
8004 Paecilomyces sp.
8005 Paecilomyces sp.
8006 Paecilomyces sp.
8007 Paecilomyces sp.
8008 Paecilomyces sp.
8009 Elaphocordyceps capitata
8010 Ophiocordyceps heteropoda
8011 Cordyceps militaris
8012 Cordyceps militaris
8013 Elaphocordyceps ophioglossoides
8014 Metarhizium anisopliae sensu lato
8015 Metarhizium anisopliae sensu lato
8016 Isaria farinosa
8017 Isaria farinosa
8018 Isaria farinosa
8019 Isaria farinosa
8020 Isaria farinosa
8021 Isaria farinosa
8022 Isaria farinosa
8023 Conidiobolus coronatus
8024 Beauveria caledonica
8025 Beauveria bassiana
8026 Beauveria bassiana
8027 Beauveria bassiana
8028 Beauveria bassiana
8029 Beauveria bassiana
8030 Beauveria bassiana
8031 Beauveria bassiana
8032 Beauveria bassiana
8033 Beauveria bassiana
8034 Beauveria brongniartii
8035 Beauveria bassiana
8036 Beauveria bassiana
8037 Beauveria bassiana
8038 Beauveria bassiana
8039 Beauveria bassiana
8040 Beauveria bassiana
8041 Lecanicillium muscarium
8042 Lecanicillium longisporum
8043 Cylindrocarpon sp.
8044 Cylindrocarpon sp.
8045 Beauveria pseudobassiana
8046 Beauveria pseudobassiana
8047 Schizangiella serpentis
8048 Lecanicillium muscarium
8049 Lecanicillium muscarium
8050 Lecanicillium muscarium
8051 Lecanicillium muscarium
8052 Lecanicillium muscarium
8053 Lecanicillium muscarium
8054 Lecanicillium muscarium
8055 Lecanicillium pissodis
8056 Lecanicillium pissodis
8057 Lecanicillium pissodis
8058 Evlachovaea kintrischica
8059 Metarhizium anisopliae sensu lato
8060 Metarhizium anisopliae sensu lato
8061 Metarhizium anisopliae sensu lato
8062 Metarhizium anisopliae sensu lato
8063 Metarhizium anisopliae sensu lato
8064 Metarhizium anisopliae sensu lato
8065 Beauveria bassiana
8066 Beauveria bassiana
8067 Metarhizium anisopliae sensu lato
8068 Metarhizium anisopliae sensu lato
8069 Metarhizium anisopliae sensu lato
8070 Metarhizium anisopliae sensu lato
8071 Metarhizium anisopliae sensu lato
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8073 Metarhizium anisopliae sensu lato
8074 Metarhizium anisopliae sensu lato
8075 Metarhizium anisopliae sensu lato
8076 Beauveria bassiana
8077 Beauveria bassiana
8078 Beauveria bassiana
8079 Beauveria bassiana
8080 Metarhizium anisopliae sensu lato
8081 Metarhizium anisopliae sensu lato
8082 Metarhizium anisopliae sensu lato
8083 Metarhizium anisopliae sensu lato
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8107 Metarhizium anisopliae sensu lato
8108 Metarhizium anisopliae sensu lato
8109 Metarhizium anisopliae sensu lato
8110 Beauveria sp.
8111 Beauveria sp.
8112 Beauveria sp.
8113 Beauveria sp.
8114 Lecanicillium muscarium
8115 Lecanicillium lecanii
8116 Beauveria sp.
8117 Beauveria sp.
8118 Lecanicillium muscarium
8119 Beauveria sp.
8120 Beauveria sp.
8121 Beauveria sp.
8122 Beauveria sp.
8123 Beauveria sp.
8124 Beauveria sp.
8125 Beauveria sp.
8126 Beauveria sp.
8127 Beauveria sp.
8128 Beauveria sp.
8129 Beauveria sp.
8130 Beauveria sp.
8131 Fusarium sp.
8132 Beauveria sp.
8133 Beauveria sp.
8134 Beauveria sp.
8135 Beauveria sp.
8136 Beauveria sp.
8137 Beauveria sp.
8138 Beauveria sp.
8139 Beauveria sp.
8140 Beauveria sp.
8141 Beauveria sp.
8142 Isaria fumosorosea
8143 Beauveria sp.
8144 Beauveria sp.
8145 Beauveria sp.
8146 Beauveria sp.

8147 Beauveria sp.
8148 Beauveria sp.
8149 Beauveria sp.
8150 Beauveria sp.
8151 Beauveria sp.
8152 Beauveria sp.
8153 Beauveria sp.
8154 Beauveria sp.
8155 Unidentified / Hyphomycetes
8156 Beauveria sp.
8157 Lecanicillium muscarium
8158 Beauveria sp.
8159 Beauveria sp.
8160 Beauveria sp.
8161 Beauveria sp.
8162 Lecanicillium muscarium(?)
8163 Lecanicillium muscarium
8164 Beauveria sp.
8165 Lecanicillium muscarium
8166 Beauveria sp.
8167 Beauveria sp.
8168 Beauveria sp.
8169 Beauveria sp.
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8174 Beauveria sp.
8175 Beauveria sp.
8176 Beauveria sp.
8177 Beauveria sp.
8178 Beauveria sp.
8179 Unidentified / Hyphomycetes
8180 Beauveria sp.
8181 Beauveria sp.
8182 Beauveria sp.
8183 Unidentified / Hyphomycetes
8184 Unidentified / Hyphomycetes
8185 Beauveria sp.
8186 Beauveria sp.
8187 Beauveria sp.
8188 Beauveria sp.
8189 Beauveria bassiana
8190 Beauveria bassiana
8191 Beauveria bassiana
8192 Beauveria bassiana
8193 Beauveria bassiana
8194 Beauveria bassiana
8195 Beauveria bassiana
8196 Metarhizium anisopliae sensu lato
8197 Metarhizium anisopliae sensu lato
8198 Metarhizium anisopliae sensu lato
8199 Metarhizium anisopliae sensu lato
8200 Aschersonia sp.
8201 Beauveria bassiana
8202 Beauveria bassiana
8203 Beauveria bassiana
8204 Beauveria bassiana
8205 Beauveria bassiana
8206 Beauveria bassiana
8207 Beauveria bassiana
8208 Beauveria bassiana
8209 Beauveria bassiana
8210 Beauveria bassiana
8211 Beauveria bassiana
8212 Metarhizium anisopliae sensu lato
8213 Beauveria bassiana
8214 Metarhizium flavoviride var. novazealandicum
8215 Metarhizium anisopliae sensu lato
8216 Metarhizium anisopliae sensu lato
8217 Metarhizium anisopliae sensu lato
8218 Metarhizium anisopliae sensu lato
8219 Metarhizium anisopliae sensu lato
8220 Metarhizium anisopliae sensu lato
8221 Metarhizium anisopliae sensu lato
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8224 Metarhizium anisopliae sensu lato
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8226 Metarhizium anisopliae sensu lato
8227 Metarhizium anisopliae sensu lato
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8231 Metarhizium anisopliae sensu lato
8232 Metarhizium anisopliae sensu lato
8233 Metarhizium anisopliae sensu lato
8234 Metarhizium anisopliae sensu lato
8235 Metarhizium anisopliae sensu lato
8236 Metarhizium anisopliae sensu lato
8237 Beauveria bassiana
8238 Beauveria bassiana
8239 Beauveria bassiana
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8246 Beauveria bassiana
8247 Beauveria bassiana
8248 Metarhizium anisopliae sensu lato
8249 Metarhizium anisopliae sensu lato
8250 Beauveria sp.
8251 Isaria farinosa
8252 Isaria farinosa
8253 Beauveria bassiana
8254 Beauveria bassiana
8255 Beauveria bassiana
8256 Beauveria bassiana
8257 Beauveria varroae
8258 Beauveria bassiana
8259 Beauveria varroae
8260 Beauveria bassiana
8261 Beauveria bassiana
8262 Beauveria bassiana
8263 Beauveria bassiana
8265 Lecanicillium muscarium(?)
8266 Fusarium sp.
8267 Fusarium sp.
8268 Purpureocillium lilacinum
8269 Purpureocillium lilacinum
8270 Metarhizium anisopliae sensu lato
8271 Beauveria bassiana
8272 Beauveria bassiana
8273 Beauveria bassiana
8274 Beauveria bassiana
8275 Beauveria bassiana
8276 Beauveria bassiana
8277 Fusarium sp.
8278 Fusarium sp.
8279 Fusarium sp.
8280 Aspergillus sp.
8281 Fusarium sp.
8282 Fusarium sp.
8283 Fusarium sp.
8284 Aspergillus sp.
8285 Fusarium sp.
8286 Fusarium sp.
8287 Fusarium sp.
8288 Fusarium sp.
8289 Aspergillus flavus
8290 Fusarium sp.
8291 Fusarium lateritium
8292 Aspergillus sp.
8293 Lecanicillium lecanii(?)
8294 Lecanicillium lecanii(?)
8295 Lecanicillium lecanii
8296 Lecanicillium muscarium
8297 Lecanicillium longisporum
8298 Fusarium sp.
8299 Fusarium sp.
8300 Fusarium sp.
8301 Fusarium sp.
8302 Fusarium sp.
8303 Fusarium sp.
8304 Fusarium sp.
8305 Fusarium sp.
8306 Fusarium sp.
8307 Basidiobolus haptosporus
8308 Basidiobolus ranarum
8309 Basidiobolus haptosporus
8310 Isaria cateniannulata
8311 Purpureocillium lilacinum
8312 Purpureocillium lilacinum
8313 Conidiobolus sp.
8314 Conidiobolus sp.
8315 Hirsutella citriformis
8316 Paecilomyces sp.
8317 Beauveria bassiana
8318 Beauveria bassiana
8319 Metarhizium anisopliae sensu lato
8320 Conidiobolus adiaeretus
8321 Metarhizium robertsii
8322 Metarhizium robertsii
8323 Metarhizium anisopliae sensu lato
8324 Metarhizium anisopliae sensu lato
8325 Metarhizium anisopliae sensu lato
8326 Metarhizium anisopliae sensu lato
8327 Metarhizium anisopliae sensu lato
8328 Basidiobolus ranarum
8329 Basidiobolus meristosporus
8330 Basidiobolus magnus
8331 Basidiobolus haptosporus var. minor
8332 Basidiobolus heterosporus
8333 Isaria fumosorosea
8334 Metarhizium anisopliae sensu lato
8335 Metarhizium anisopliae sensu lato
8336 Metarhizium anisopliae sensu lato
8337 Isaria fumosorosea
8338 Metarhizium anisopliae sensu lato
8339 Beauveria bassiana
8340 Beauveria bassiana
8341 Metarhizium anisopliae sensu lato
8342 Metarhizium anisopliae sensu lato
8343 Beauveria bassiana
8344 Metarhizium anisopliae sensu lato
8345 Isaria fumosorosea
8346 Metarhizium anisopliae sensu lato
8347 Metarhizium anisopliae sensu lato
8348 Isaria fumosorosea
8349 Beauveria bassiana
8350 Metarhizium anisopliae sensu lato
8351 Metarhizium anisopliae sensu lato
8352 Metarhizium anisopliae sensu lato
8353 Metarhizium anisopliae sensu lato
8354 Beauveria bassiana
8355 Beauveria bassiana
8356 Beauveria bassiana

8357 Metarhizium anisopliae sensu lato
8358 Metarhizium anisopliae sensu lato
8359 Metarhizium anisopliae var. acridum
8360 Metarhizium anisopliae var. acridum
8361 Hypocrella panamensis
8362 Metarhizium anisopliae sensu lato
8363 Metarhizium anisopliae sensu lato
8364 Metarhizium anisopliae sensu lato
8365 Metarhizium anisopliae sensu lato
8366 Metarhizium anisopliae sensu lato
8367 Metarhizium anisopliae sensu lato
8368 Beauveria bassiana
8369 Beauveria bassiana
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8374 Beauveria bassiana
8375 Metarhizium anisopliae sensu lato
8376 Metarhizium anisopliae sensu lato
8377 Metarhizium anisopliae sensu lato
8378 Hirsutella sp.
8379 Aspergillus sydowii
8380 Aspergillus sydowii
8381 Aspergillus sydowii
8382 Aspergillus sydowii
8383 Beauveria bassiana
8384 Beauveria bassiana
8385 Beauveria bassiana
8386 Beauveria bassiana
8387 Beauveria bassiana
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8407 Beauveria bassiana
8408 Beauveria bassiana
8409 Beauveria bassiana
8410 Beauveria bassiana
8411 Isaria farinosa
8412 Beauveria bassiana
8413 Beauveria bassiana
8414 Beauveria bassiana
8415 Metarhizium brunneum
8416 Metarhizium brunneum
8417 Metarhizium brunneum
8418 Metarhizium brunneum
8419 Metarhizium brunneum
8420 Metarhizium pingshaense
8421 Scopulariopsis sp.
8422 Scopulariopsis sp.
8423 Scopulariopsis sp.
8424 Harposporium microsporum
8425 Harposporium lilliputanum
8426 Harposporium oxycoracum
8427 Conidiobolus adiaeretus
8428 Conidiobolus megalotocus
8429 Conidiobolus sp.
8430 Conidiobolus stromoideus
8431 Beauveria bassiana
8432 Metarhizium anisopliae sensu lato
8433 Metarhizium anisopliae sensu lato
8434 Metarhizium anisopliae sensu lato
8435 Metarhizium anisopliae sensu lato
8436 Metarhizium anisopliae sensu lato
8437 Metarhizium anisopliae sensu lato
8438 Metarhizium anisopliae sensu lato
8439 Evlachovaea sp.
8440 Metarhizium anisopliae sensu lato
8441 Evlachovaea sp.
8442 Evlachovaea sp.
8443 Metarhizium anisopliae sensu lato
8444 Beauveria bassiana
8445 Metarhizium anisopliae sensu lato
8446 Metarhizium anisopliae sensu lato
8447 Metarhizium anisopliae sensu lato
8448 Isaria fumosorosea
8449 Evlachovaea sp.
8450 Metarhizium anisopliae sensu lato
8451 Metarhizium anisopliae sensu lato
8452 Metarhizium anisopliae sensu lato
8453 Metarhizium anisopliae sensu lato
8454 Metarhizium anisopliae sensu lato
8455 Conidiobolus coronatus
8456 Purpureocillium lilacinum
8457 Aphanocladium sp.
8458 Aphanocladium sp.
8459 Beauveria bassiana
8460 Beauveria bassiana
8461 Beauveria bassiana
8462 Beauveria bassiana
8463 Beauveria bassiana
8464 Beauveria bassiana
8465 Beauveria bassiana
8466 Zoophthora radicans
8467 Gliocladium sp.
8468 Lecanicillium psalliotae
8469 Evlachovaea sp.
8470 Trichoderma sp.
8472 Fusarium sp.
8473 Fusarium sp.
8474 Evlachovaea sp.
8475 Beauveria bassiana
8476 Lecanicillium sp.
8477 Purpureocillium lilacinum
8478 Pochonia chlamydosporia
8479 Evlachovaea sp.
8480 Unidentified / Hyphomycetes
8481 Fusarium sp.
8482 Fusarium sp.
8483 Purpureocillium lilacinum
8484 Fusarium sp.
8485 Evlachovaea sp.
8486 Evlachovaea sp.
8487 Evlachovaea sp.
8488 Evlachovaea sp.
8489 Evlachovaea sp.
8490 Evlachovaea sp.
8491 Evlachovaea sp.
8492 Metarhizium anisopliae sensu lato
8493 Beauveria bassiana
8494 Beauveria bassiana
8495 Metarhizium anisopliae sensu lato
8496 Metarhizium anisopliae sensu lato
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8518 Metarhizium anisopliae sensu lato
8519 Aspergillus sp.
8520 Beauveria bassiana
8521 Beauveria bassiana
8522 Beauveria bassiana
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8527 Metarhizium anisopliae sensu lato
8528 Beauveria bassiana
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8531 Metarhizium anisopliae sensu lato
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8567 Metarhizium anisopliae sensu lato

8568 Metarhizium anisopliae sensu lato
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8576 Metarhizium anisopliae sensu lato
8577 Metarhizium anisopliae sensu lato
8578 Beauveria bassiana
8579 Beauveria bassiana
8580 Metarhizium anisopliae sensu lato
8581 Metarhizium anisopliae sensu lato
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8595 Metarhizium anisopliae sensu lato
8596 Metarhizium anisopliae sensu lato
8597 Metarhizium anisopliae sensu lato
8598 Unidentified / Hyphomycetes
8599 Isaria farinosa
8600 Purpureocillium lilacinum
8601 Beauveria bassiana
8602 Beauveria bassiana
8603 Metarhizium anisopliae sensu lato
8604 Metarhizium anisopliae sensu lato
8605 Metarhizium anisopliae sensu lato
8606 Furia ithacensis
8607 Pandora neoaphidis
8608 Metarhizium anisopliae sensu lato
8609 Metarhizium anisopliae sensu lato
8610 Metarhizium anisopliae sensu lato
8611 Metarhizium anisopliae sensu lato
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8630 Metarhizium anisopliae sensu lato
8631 Metarhizium anisopliae sensu lato
8632 Metarhizium anisopliae sensu lato
8633 Aspergillus sp.
8634 Trichoderma sp.
8635 Beauveria bassiana
8636 Beauveria bassiana
8637 Beauveria bassiana
8638 Beauveria bassiana
8639 Lecanicillium sp.
8640 Unidentified / Hyphomycetes
8641 Unidentified / Hyphomycetes
8642 Lecanicillium muscarium
8643 Fusarium sp.
8644 Fusarium sp.
8645 Fusarium sp.
8646 Fusarium sp.
8647 Fusarium sp.
8648 Fusarium sp.
8649 Fusarium sp.
8650 Fusarium sp.
8651 Fusarium sp.
8652 Fusarium sp.
8653 Metarhizium anisopliae sensu lato
8654 Metarhizium anisopliae sensu lato
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8660 Metarhizium anisopliae sensu lato
8661 Beauveria bassiana
8662 Metarhizium anisopliae sensu lato
8663 Beauveria bassiana
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8666 Beauveria bassiana
8667 Beauveria bassiana
8668 Beauveria bassiana
8669 Metarhizium anisopliae sensu lato
8670 Beauveria bassiana
8671 Metarhizium brunneum
8672 Beauveria bassiana
8673 Beauveria bassiana
8674 Beauveria bassiana
8675 Beauveria sp.
8676 Metarhiziopsis microspora
8677 Hirsutella citriformis
8678 Hirsutella citriformis
8679 Hirsutella citriformis
8680 Metarhizium anisopliae sensu lato
8681 Metarhizium anisopliae sensu lato
8682 Metarhizium anisopliae sensu lato
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8693 Metarhizium anisopliae sensu lato
8694 Beauveria bassiana
8695 Beauveria bassiana
8696 Metarhizium anisopliae sensu lato
8697 Beauveria bassiana
8698 Metarhizium anisopliae sensu lato
8699 Metarhizium sp.
8700 Metarhizium anisopliae sensu lato
8701 Metarhizium anisopliae sensu lato
8702 Metarhizium anisopliae sensu lato
8703 Metarhizium anisopliae sensu lato
8704 Beauveria bassiana
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8710 Beauveria bassiana
8711 Beauveria bassiana
8712 Beauveria bassiana
8713 Beauveria bassiana
8714 Lecanicillium muscarium
8715 Conidiobolus coronatus
8716 Isaria fumosorosea
8717 Isaria fumosorosea
8718 Isaria fumosorosea
8719 Isaria fumosorosea
8720 Isaria fumosorosea
8721 Isaria fumosorosea
8722 Hirsutella sp.
8723 Isaria fumosorosea
8724 Isaria fumosorosea
8725 Isaria fumosorosea
8726 Isaria fumosorosea
8727 Isaria fumosorosea
8728 Isaria fumosorosea
8729 Isaria fumosorosea
8730 Isaria fumosorosea
8731 Metarhizium anisopliae sensu lato
8732 Metarhizium anisopliae var. lepidiotae
8733 Metarhizium anisopliae sensu lato
8734 Metarhizium anisopliae sensu lato
8735 Metarhizium anisopliae sensu lato
8736 Metarhizium anisopliae var. majus
8737 Metarhizium flavoviride
8738 Metarhizium anisopliae sensu lato
8739 Metarhizium anisopliae sensu lato
8740 Metarhizium anisopliae sensu lato
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8748 Metarhizium anisopliae sensu lato
8749 Metarhizium anisopliae sensu lato
8750 Metarhizium flavoviride var. novazealandicum
8751 Beauveria bassiana
8752 Beauveria bassiana
8753 Beauveria bassiana
8754 Metarhizium anisopliae sensu lato
8755 Metarhizium anisopliae sensu lato
8756 Beauveria bassiana
8757 Beauveria bassiana
8758 Metarhizium flavoviride
8759 Metarhizium anisopliae sensu lato
8760 Metarhizium anisopliae sensu lato
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8762 Metarhizium anisopliae sensu lato
8763 Beauveria bassiana
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8769 Metarhizium anisopliae sensu lato
8770 Isaria farinosa
8771 Beauveria bassiana
8772 Beauveria bassiana
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8774 Beauveria bassiana
8775 Metarhizium anisopliae sensu lato

8776 Metarhizium anisopliae sensu lato
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8797 Metarhizium anisopliae sensu lato
8798 Metarhizium anisopliae sensu lato
8799 Metarhizium anisopliae sensu lato
8800 Moelleriella zhongdongii
8801 Beauveria bassiana(?)
8802 Beauveria bassiana(?)
8803 Beauveria bassiana(?)
8804 Beauveria bassiana(?)
8805 Beauveria bassiana(?)
8806 Isaria farinosa(?)
8807 Beauveria bassiana(?)
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8819 Beauveria bassiana(?)
8820 Metarhizium robertsii
8821 Harposporium spirosporum
8822 Simplicillium lanosoniveum
8823 Metarhizium anisopliae sensu lato
8824 Metarhizium anisopliae sensu lato
8825 Scopulariopsis sp.
8826 Scopulariopsis sp.
8827 Scopulariopsis sp.
8828 Metarhizium anisopliae sensu lato
8829 Metarhizium anisopliae sensu lato
8830 Metarhizium anisopliae sensu lato
8831 Metarhizium anisopliae sensu lato
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8834 Metarhizium anisopliae sensu lato
8835 Beauveria bassiana
8836 Beauveria bassiana
8837 Metarhizium anisopliae sensu lato
8838 Metarhizium anisopliae sensu lato
8839 Metarhizium anisopliae sensu lato
8840 Isaria fumosorosea
8841 Metarhizium anisopliae sensu lato
8842 Metarhizium anisopliae sensu lato
8843 Beauveria bassiana
8844 Metarhizium anisopliae sensu lato
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8846 Beauveria bassiana
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8849 Metarhizium anisopliae sensu lato
8850 Metarhizium anisopliae sensu lato
8851 Metarhizium sp.
8852 Metarhizium sp.
8853 Beauveria bassiana
8854 Beauveria bassiana
8855 Metarhizium sp.
8856 Metarhizium sp.
8857 Metarhizium sp.
8858 Metarhizium anisopliae sensu lato
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8886 Metarhizium anisopliae sensu lato
8887 Metarhizium anisopliae sensu lato
8888 Hirsutella lecaniicola
8889 Beauveria bassiana
8890 Lecanicillium psalliotae
8891 Beauveria bassiana
8892 Isaria fumosorosea
8893 Metarhizium anisopliae sensu lato
8894 Metarhizium anisopliae sensu lato
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8914 Metarhizium anisopliae sensu lato
8915 Metarhizium anisopliae sensu lato
8916 Metarhizium anisopliae sensu lato
8917 Isaria farinosa
8918 Purpureocillium lilacinum
8919 Purpureocillium lilacinum
8920 Purpureocillium lilacinum
8921 Purpureocillium lilacinum
8922 Purpureocillium lilacinum
8923 Lecanicillium muscarium
8924 Myriangium duriaei
8925 Myriangium duriaei
8926 Furia gastropachae
8927 Gibellula sp.
8928 Isaria fumosorosea
8929 Beauveria bassiana
8930 Pandora nouryi
8931 Pandora nouryi
8932 Beauveria bassiana
8933 Beauveria bassiana
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8941 Metarhizium anisopliae sensu lato
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8957 Metarhizium anisopliae sensu lato
8958 Beauveria bassiana
8959 Beauveria bassiana
8960 Beauveria bassiana
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8983 Beauveria bassiana
8984 Metarhiziopsis microspora
8985 Metarhiziopsis microspora

8986 Metarhiziopsis microspora
8987 Metarhiziopsis microspora
8988 Metarhiziopsis microspora
8989 Metarhizium anisopliae sensu lato
8990 Beauveria bassiana
8991 Rotiferophthora angustispora
8992 Rotiferophthora cylindrospora
8993 Pseudomeria mucosa
8994 Rotiferophthora brevipes
8995 Rotiferophthora globospora
8996 Aschersonia aleyrodis
8997 Aschersonia aleyrodis
8998 Beauveria bassiana
8999 Hirsutella sp.
9000 Smittium caudatum
9001 Smittium coloradense
9002 Smittium coloradense
9003 Smittium culicis
9004 Smittium culicis
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9006 Smittium culicis
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9009 Smittium culicis
9010 Smittium culicis
9011 Smittium culicis
9012 Smittium culisetae
9013 Smittium culisetae
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9018 Smittium culisetae
9019 Smittium simulii
9020 Barbatospora ambicaudata
9021 Furculomyces boomerangus
9022 Smittium fecundum
9023 Smittium stenosporum
9024 Smittium culisetae
9025 Smittium culisetae
9026 Smittium culisetae
9027 Smittium megazygosporum(?)
9028 Smittium mucronatum
9029 Smittium gravimetallum
9030 Smittium tronadorium
9031 Smittium culicis
9032 Smittium culisetae
9033 Smittium imitatum
9034 Smittium sp.
9035 Smittium sp.
9036 Smittium gravimetallum
9037 Smittium megazygosporum
9038 Smittium sp.
9039 Smittium culisetae
9040 Smittium culicis
9041 Smittium culicis
9042 Smittium simulatum
9043 Smittium simulii
9044 Smittium culicisoides
9045 Smittium culicis
9046 Smittium culicis
9047 Smittium culisetae
9048 Smittium culisetae
9049 Smittium simulii
9050 Smittium sp.
9051 Smittium sp.
9052 Smittium tipulidarum
9053 Smittium tipulidarum
9054 Smittium tipulidarum
9055 Smittium perforatum(?)
9056 Smittium culisetae
9057 Smittium culicis
9058 Smittium culisetae
9059 Smittium culicis
9060 Smittium morbosum
9061 Smittium morbosum
9062 Smittium culisetae
9063 Smittium mucronatum
9064 Harpellales, genus undetermined
9065 Smittium sp.
9066 Legeriosimilis sp.
9067 Smittium mucronatum
9068 Smittium lentaquaticum
9069 Smittium culisetae
9070 Smittium sp.
9071 Smittium culisetae
9072 Smittium sp.
9073 Smittium culicis
9074 Smittium culicis
9075 Smittium culisetae
9076 Smittium phytotelmatum
9077 Furculomyces boomerangus
9078 Smittium simulatum
9079 Smittium sp.
9080 Smittium orthocladii
9081 Smittium sp.
9082 Smittium lentaquaticum
9083 Smittium fecundum
9084 Smittium culicis
9085 Smittium commune
9086 Smittium sp.
9087 Smittium sp.
9088 Smittium sp.
9089 Harpellales, genus undetermined
9090 Smittium mucronatum
9091 Smittium culicis
9092 Smittium acutum
9093 Smittium culicis
9094 Smittium culisetae
9095 Smittium culisetae
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9114 Smittium culisetae
9115 Smittium culisetae
9116 Smittium cylindrosporum
9117 Smittium simulatum
9118 Smittium simulii
9119 Smittium sp.
9120 Smittium sp.
9121 Smittium sp.
9122 Smittium tipulidarum
9123 Smittium culicis
9124 Smittium culicis
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9130 Smittium culicis
9131 Smittium culisetae
9132 Smittium culisetae
9133 Smittium culisetae
9134 Smittium simulii
9135 Smittium simulii
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9138 Smittium simulii
9139 Smittium simulii
9140 Smittium culicis
9141 Smittium culicis
9142 Smittium culicis
9143 Smittium culicis
9144 Smittium mucronatum
9145 Smittium sp.
9146 Smittium sp.
9147 Smittium sp.
9148 Smittium sp.
9149 Smittium culicis
9150 Metarhizium anisopliae sensu lato
9151 Metarhizium anisopliae sensu lato
9152 Metarhizium anisopliae sensu lato
9153 Metarhizium anisopliae sensu lato
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9160 Metarhizium anisopliae sensu lato
9161 Metarhizium anisopliae sensu lato
9162 Metarhizium anisopliae sensu lato
9163 Lecanicillium sp.
9164 Evlachovaea sp.
9165 Evlachovaea sp.
9166 Evlachovaea sp.
9167 Evlachovaea sp.
9168 Evlachovaea sp.
9169 Evlachovaea sp.
9170 Evlachovaea sp.
9171 Evlachovaea sp.
9172 Evlachovaea sp.
9173 Evlachovaea sp.
9174 Evlachovaea sp.
9175 Lecanicillium sp.
9176 Lecanicillium sp.
9177 Lecanicillium sp.
9178 Beauveria bassiana
9179 Beauveria bassiana
9180 Hirsutella citriformis
9181 Amoebidium appalachense
9182 Amoebidium parasiticum
9183 Amoebidium parasiticum
9184 Beauveria bassiana
9185 Evlachovaea sp.
9186 Evlachovaea sp.
9187 Evlachovaea sp.
9188 Evlachovaea sp.
9189 Evlachovaea sp.
9190 Evlachovaea sp.
9191 Evlachovaea sp.
9192 Evlachovaea sp.
9193 Beauveria bassiana
9194 Beauveria bassiana
9195 Beauveria bassiana

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9217 Metarhizium anisopliae sensu lato
9218 Metarhizium anisopliae sensu lato
9219 Beauveria bassiana
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9234 Beauveria bassiana
9235 Metarhizium anisopliae sensu lato
9236 Metarhizium anisopliae sensu lato
9237 Evlachovaea sp.
9238 Purpureocillium lilacinum
9239 Purpureocillium lilacinum
9240 Purpureocillium lilacinum
9241 Smittium angustum
9242 Smittium annulatum
9243 Smittium commune
9244 Smittium commune
9245 Smittium commune
9246 Smittium culisetae
9247 Smittium culisetae
9248 Smittium cylindrosporum
9249 Smittium cylindrosporum
9250 Smittium dipterorum
9251 Smittium elongatum
9253 Smittium lentaquaticum
9255 Amoebidium appalachense
9256 Amoebidium appalachense
9257 Amoebidium parasiticum
9258 Capniomyces stellatus
9259 Furculomyces boomerangus
9261 Smittium caudatum
9263 Smittium dipterorum
9264 Smittium gravimetallum
9265 Smittium sp.
9266 Pandora heteropterae
9267 Lecanicillium muscarium
9268 Lecanicillium muscarium
9269 Isaria farinosa
9270 Isaria farinosa
9271 Beauveria bassiana(?)
9272 Beauveria sp.
9273 Fusarium sp.
9274 Fusarium sp.
9275 Isaria farinosa
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9278 Isaria farinosa
9279 Metarhizium anisopliae sensu lato
9280 Metarhizium anisopliae sensu lato
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9288 Metarhizium anisopliae sensu lato
9289 Beauveria bassiana
9290 Beauveria bassiana
9291 Beauveria bassiana
9292 Isaria farinosa
9293 Isaria farinosa
9294 Isaria fumosorosea
9295 Conidiobolus coronatus
9296 Conidiobolus coronatus
9297 Beauveria bassiana
9298 Beauveria bassiana
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9303 Metarhizium anisopliae sensu lato
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9331 Metarhizium anisopliae sensu lato
9332 Metarhizium anisopliae sensu lato
9333 Metarhizium anisopliae sensu lato
9334 Unidentified sp.
9335 Beauveria sp.
9336 Beauveria sp.
9337 Beauveria sp.
9338 Beauveria sp.
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9341 Beauveria sp.
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9343 Beauveria sp.
9344 Beauveria sp.
9345 Beauveria bassiana
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9353 Beauveria bassiana
9354 Metarhizium anisopliae
9355 Beauveria bassiana
9356 Purpureocillium lilacinum
9357 Purpureocillium lilacinum
9358 Metarhizium flavoviride var. pemphigum
9359 Myrothecium verrucaria
9360 Eurotiomycetes, genus undetermined
9361 Eurotiomycetes, genus undetermined
9362 Exophiala sp.
9363 Tripospermum sp.
9364 Unidentified / Hyphomycetes
9365 Rhinocladiella(?) sp.
9366 Unidentified / Hyphomycetes
9367 Doratomyces(?) sp.
9368 Acremonium(?) sp.
9369 Lecanicillium(?) sp.
9370 Beauveria bassiana
9371 Purpureocillium lilacinum
9372 Metarhizium anisopliae sensu lato
9373 Metarhizium anisopliae sensu lato
9374 Metarhizium anisopliae sensu lato
9375 Aspergillus clavatus
9376 Aspergillus flavus
9377 Fusarium sp.
9378 Aspergillus flavus
9379 Aspergillus clavatus
9380 Isaria fumosorosea
9381 Aspergillus flavus
9382 Harposporium cocleatum
9383 Pseudomeria mucosa
9384 Pseudomeria mucosa
9385 Rotiferophthora angustispora
9386 Rotiferophthora angustispora
9387 Rotiferophthora tagenophora
9388 Beauveria bassiana
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9439 Metarhizium anisopliae sensu lato
9440 Lecanicillium aphanocladii
9441 Beauveria bassiana
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9451 Beauveria bassiana
9452 Beauveria brongniartii
9453 Beauveria brongniartii
9454 Engyodontium album
9455 Mariannaea elegans
9456 Mariannaea elegans
9457 Hirsutella thompsonii
9458 Lecanicillium sp.
9459 Lecanicillium sp.
9460 Lecanicillium nr. aranearum
9461 Lecanicillium aphanocladii
9462 Lecanicillium muscarium(?)
9463 Lecanicillium muscarium(?)
9464 Lecanicillium muscarium(?)
9465 Lecanicillium sp.
9466 Lecanicillium sp.
9467 Lecanicillium muscarium
9468 Lecanicillium muscarium
9469 Lecanicillium muscarium
9470 Lecanicillium muscarium
9471 Lecanicillium muscarium
9472 Lecanicillium muscarium
9473 Lecanicillium psalliotae
9474 Lecanicillium psalliotae
9475 Engyodontium(?) sp.
9476 Engyodontium(?) sp.
9477 Lecanicillium muscarium
9478 Lecanicillium sp.
9479 Simplicillium lamellicola
9480 Simplicillium lamellicola
9481 Simplicillium lamellicola
9482 Lecanicillium fungicola
9483 Lecanicillium fungicola
9484 Cordyceps militaris
9485 Elaphocordyceps ophioglossoides
9486 Cordyceps sp.
9487 Metarhizium anisopliae
9488 Metarhizium anisopliae
9489 Nomuraea rileyi
9490 Nomuraea rileyi
9491 Clonostachys rosea
9492 Clonostachys rosea
9493 Clonostachys rosea
9494 Pochonia chlamydosporia
9495 Pochonia suchlasporia
9496 Polycephalomyces sp.
9497 Polycephalomyces sp.
9498 Rotiferophthora angustispora
9499 Clonostachys candelabrum
9500 Sporothrix ghanensis
9501 Sporothrix insectorum
9502 Sporothrix insectorum
9503 Tolypocladium cylindrosporum
9504 Tolypocladium geodes
9505 Tolypocladium geodes
9506 Tolypocladium inflatum
9507 Tolypocladium inflatum
9508 Isaria sp.
9509 Isaria coleopterorum
9510 Isaria farinosa
9511 Isaria farinosa
9512 Isaria farinosa
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9515 Isaria farinosa
9516 Isaria farinosa
9517 Isaria sp.
9518 Isaria sp.
9519 Isaria sp.
9520 Isaria fumosorosea
9521 Isaria fumosorosea
9522 Purpureocillium lilacinum
9523 Purpureocillium lilacinum
9524 Purpureocillium lilacinum
9525 Purpureocillium lilacinum
9526 Purpureocillium lilacinum
9527 Paecilomyces marquandii
9528 Purpureocillium lilacinum
9529 Paecilomyces marquandii
9530 Paecilomyces marquandii
9531 Isaria tenuipes
9532 Isaria tenuipes
9533 Isaria tenuipes
9534 Isaria tenuipes
9535 Aschersonia aleyrodis
9536 Conidiobolus obscurus
9537 Erynia sp.
9538 Unidentified / Hyphomycetes
9539 Unidentified / Hyphomycetes
9540 Unidentified / Hyphomycetes
9541 Metarhizium anisopliae sensu lato
9542 Rotiferophthora sp.
9543 Rotiferophthora sp.
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9545 Rotiferophthora sp.
9546 Rotiferophthora sp.
9547 Rotiferophthora cylindrospora
9548 Rotiferophthora cylindrospora
9549 Rotiferophthora denticulospora
9567 Isaria farinosa(?)
9568 Isaria farinosa(?)
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9581 Isaria farinosa(?)
9582 Isaria fumosorosea
9583 Isaria fumosorosea
9584 Isaria fumosorosea
9585 Isaria fumosorosea
9586 Isaria fumosorosea
9587 Beauveria bassiana
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9589 Beauveria bassiana
9590 Metarhizium anisopliae sensu lato
9591 Metarhizium anisopliae sensu lato
9592 Metarhizium acridum
9593 Metarhizium anisopliae sensu lato
9594 Nomuraea atypicola
9595 Beauveria bassiana
9596 Beauveria sp.
9598 Beauveria bassiana
9599 Beauveria brongniartii
9600 Beauveria bassiana
9601 Isaria cateniannulata
9602 Isaria fumosorosea
9603 Hirsutella liboensis
9604 Purpureocillium lilacinum
9605 Hirsutella sp.
9606 Hirsutella sp.
9607 Metarhizium robertsii
9608 Metarhizium brunneum
9609 Lecanicillium sp.
9610 Purpureocillium lilacinum
9611 Lecanicillium aphanocladii
9612 Metarhizium anisopliae sensu lato
9613 Metarhizium anisopliae sensu lato
9614 Cladosporium cladosporioides
9615 Lecanicillium aphanocladii
9616 Cladosporium cladosporioides
9617 Metarhizium sp.
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9887 Basidiobolus sp.
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9911 Basidiobolus sp.
9912 Basidiobolus sp.
9913 Conidiobolus coronatus
9914 Conidiobolus coronatus
9915 Myriangium sp.
9916 Myriangium sp.
9917 Myriangium sp.
9918 Myriangium sp.
9919 Myriangium sp.
9920 Phoma sp.
9921 Unidentified sp.
9922 Rhinocladiella(?) sp.
9923 Phoma sp.
9924 Lecanicillium sp.
9925 Lecanicillium sp.
9926 Lecanicillium sp.
9927 Beauveria bassiana
9928 Paecilomyces marquandii
9929 Paecilomyces marquandii
9930 Lecanicillium sp.
9931 Lecanicillium sp.
9932 Mariannaea sp.
9933 Mariannaea sp.
9934 Mariannaea sp.
9935 Lecanicillium sp.
9936 Lecanicillium sp.
9937 Fusarium sp.
9938 Trichoderma sp.
9939 Metarhizium anisopliae sensu lato
9940 Conidiobolus coronatus
9941 Conidiobolus coronatus
9942 Conidiobolus coronatus
9943 Scopulariopsis brevicaulis
9944 Isaria farinosa
9945 Isaria farinosa
9946 Metarhizium sp.
9947 Metarhizium sp.
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9999 Metarhizium sp.
10000 Metarhizium robertsii
10001 Metarhizium sp.
10002 Metarhizium sp.
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10125 Metarhizium sp.
10126 Metarhizium sp.
10127 Purpureocillium lilacinum
10128 Purpureocillium lilacinum
10129 Purpureocillium lilacinum
10130 Purpureocillium lilacinum
10131 Metarhizium anisopliae sensu lato
10132 Tilachlidium sp.
10133 Hirsutella homalodiscae(?)
10134 Hirsutella homalodiscae(?)
10135 Metarhizium anisopliae sensu lato
10136 Metarhizium anisopliae sensu lato
10137 Metarhizium anisopliae sensu lato
10138 Beauveria bassiana
10139 Beauveria bassiana
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10141 Beauveria bassiana
10142 Beauveria bassiana
10143 Beauveria bassiana
10144 Beauveria bassiana
10145 Beauveria bassiana
10146 Tolypocladium cylindrosporum
10147 Beauveria bassiana
10148 Beauveria bassiana
10149 Beauveria bassiana
10150 Mariannaea sp.
10151 Mariannaea sp.
10152 Mariannaea sp.
10153 Mariannaea sp.
10154 Lecanicillium sp.
10155 Isaria farinosa
10156 Isaria farinosa
10157 Isaria farinosa
10158 Isaria farinosa
10159 Isaria farinosa
10160 Isaria farinosa
10161 Isaria farinosa
10162 Isaria sp.
10163 Isaria coleopterorum
10164 Lecanicillium sp.
10165 Isaria farinosa
10166 Acremonium bactrocephalum
10167 Acremonium bactrocephalum
10168 Acremonium bactrocephalum
10169 Acremonium bactrocephalum
10170 Lecanicillium psalliotae
10171 Unidentified / Hyphomycetes
10172 Lecanicillium wallacei(?)
10173 Lecanicillium muscarium
10174 Lecanicillium wallacei(?)
10175 Lecanicillium psalliotae
10176 Lecanicillium psalliotae
10177 Lecanicillium psalliotae
10178 Lecanicillium muscarium
10179 Lecanicillium psalliotae
10180 Lecanicillium psalliotae
10181 Lecanicillium psalliotae
10182 Lecanicillium psalliotae
10183 Lecanicillium psalliotae(?)
10184 Lecanicillium fusisporum(?)
10185 Mariannaea sp.
10186 Beauveria bassiana
10187 Lecanicillium sp.
10188 Lecanicillium sp.
10189 Lecanicillium sp.
10190 Lecanicillium sp.
10191 Unidentified / Hyphomycetes
10192 Lecanicillium sp.
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10194 Mariannaea sp.
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10204 Mariannaea sp.
10205 Mariannaea sp.
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10218 Lecanicillium sp.
10219 Colletotrichum fioriniae
10220 Colletotrichum fioriniae
10221 Colletotrichum fioriniae
10222 Colletotrichum fioriniae
10223 Colletotrichum fioriniae
10224 Isaria fumosorosea
10225 Purpureocillium lilacinum
10226 Fusarium oxysporum
10227 Fusarium niveum(?)
10228 Hirsutella homalodiscae
10229 Hirsutella homalodiscae
10230 Sporothrix sp.
10231 Isaria sp.
10232 Isaria sp.
10233 Isaria sp.
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10257 Isaria sp.
10258 Isaria fumosorosea
10259 Isaria sp.
10260 Triacutus subcuticularis
10261 Pochonia sp.
10262 Pseudomeria mucosa
10263 Rotiferophthora sp.
10264 Rotiferophthora sp.
10265 Rotiferophthora sp.
10266 Rotiferophthora sp.

10267 Rotiferophthora barronii
10268 Rotiferophthora globospora
10269 Rotiferophthora guttulaspora
10270 Rotiferophthora intermedia
10271 Harposporium spirosporum
10272 Pseudomeria mucosa
10273 Rotiferophthora cylindrospora
10274 Rotiferophthora ovispora
10275 Harposporium botuliforme
10276 Aschersonia sp.
10277 Beauveria brongniartii
10278 Beauveria brongniartii
10279 Beauveria brongniartii
10280 Beauveria brongniartii
10281 Unidentified / Hyphomycetes
10282 Unidentified / Hyphomycetes
10283 Unidentified / Hyphomycetes
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10286 Unidentified / Hyphomycetes
10287 Lecanicillium sp.
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10292 Unidentified / Hyphomycetes
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10294 Lecanicillium sp.
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10305 Lecanicillium sp.
10306 Lecanicillium sp.
10307 Unidentified / Hyphomycetes
10308 Colletotrichum sp.
10309 Scopulariopsis sp.
10310 Scopulariopsis sp.
10311 Fusarium sp.
10312 Fusarium sp.
10313 Fusarium sp.
10314 Metarhizium sp.
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10347 Beauveria bassiana
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10362 Beauveria bassiana
10363 Isaria sp.
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10386 Unidentified / Hyphomycetes
10387 Unidentified / Hyphomycetes
10388 Fusarium sp.
10389 Fusarium sp.
10390 Fusarium sp.
10391 Fusarium sp.
10392 Unidentified / Hyphomycetes
10469 Metarhizium anisopliae sensu lato
10470 Fusarium sp.
10471 Beauveria bassiana
10472 Metarhizium anisopliae sensu stricto
10473 Metarhizium anisopliae sensu stricto
10474 Metarhizium anisopliae sensu stricto
10475 Metarhizium anisopliae sensu stricto
10476 Metarhizium anisopliae sensu stricto
10477 Metarhizium anisopliae sensu stricto