USDA
United States Department of Agriculture
Agricultural Research Service

CATALOG OF MUSA ACCESSIONS

MAINTAINED AT THE USDA-ARS TROPICAL AGRICULTURE RESEARCH STATION

CATALOG OF

MUSA ACCESSIONS

MAINTAINED AT THE USDA-ARS TROPICAL AGRICULTURE RESEARCH STATION

USDA
United States Department of Agriculture
Agricultural Research Service

Mai'a Hapai
Sucrier - AA

How to use this catalog

The purpose of the catalog of banana (*Musa* spp.) accessions is to provide documentation on available genetic resources, and to be a source of information to breeders, researchers and others. It can be used as an educational tool, as well as to reference unique historical information (passport), and phenotypic, agronomic, disease resistance and/or molecular traits associated with particular banana accessions held in the collections at the USDA-ARS Tropical Agriculture Research Station (TARS), Mayaguez, PR. The catalog can be used in several ways, including trying to identify/match an unknown banana plant or the identification and selection of a plant to be planted (e.g., a farmer or a scientists) based on information contained in the catalog. The catalog contains many cultivated bananas, but does not include many wild accessions; therefore a particular accession to be identified might not be found in the catalog. In general, the following steps provide a general guide on how to use the catalog.

1. Locate plant by common cultivar name in the table of contents
2. Identify particular subgroup using color coded tabs on page margins, or;
3. Browse through images to match particular accession/cultivar

Disclaimer: All efforts were made to properly identify the plant germplasm in this catalog. If mistakes are found, the authors would appreciate editorial comments and/or suggestions. These can be sent via email to Brian Irish (Brian.Irish@ars.usda.gov), or by contacting TARS using http://www.ars.usda.gov/main/site_main.htm?modecode=60-90-05-00. Lastly, this printed/PDF catalog of Musa spp. accessions ver. 1.0 is a static document, whereas plant sciences, botany and germplasm characterization and evaluation efforts are all dynamic. Therefore, it is the authors' intention to periodically provide updated information in future versions.

Acknowledgements: The catalog is the compilation of work performed by many important contributors over the years. Contributors include volunteers and students as well as support, technical and scientific staff that have worked on the banana (*Musa* spp.) plant germplasm characterization and evaluations at the USDA-ARS Tropical Agriculture Research Station over the years. We recognize the recent efforts in helping collect/summarize data for the catalog by: Alcides Morales, Amil Ortiz, Ezequiel Mendez, Luis De La Cruz, Miguel Roman, Pablo Rios, Roberto Bravo, Ruth Ruberte and Yaleidis Mendez. Also, authors thank Drs. Bryan Brunner and Julie Sardos as well as Ms. Courtney Irish for their critical review of the document.

Citation

Irish, B.M, C. Rios, J.W. Daniells and R. Goenaga. 2016. Catalog of banana (*Musa* spp.) accessions maintained at the USDA-ARS Tropical Agriculture Research Station v. 1.

Cover art and design: Amil Ortiz

Table of Contents

INTRODUCTION
- Overview i
- TARS History, Mission and Organization i
- Information Source for Catalog
  - Exp. #1: Plantain evaluation ii
  - Exp. #2: Banana evaluation ii
  - Exp. #3: Ploidy and flow cytometry iii
  - Exp. #4: Black leaf streak evaluation iii
  - Exp. #5: Microsatellite characterization iii
  - Exp. #6: Banana characterization iv

ACCESSION INFORMATION v

SUCRIER (AA)
- Datil La Lima 1
- Hapai 3
- Mai'a Hapai 5
- Mosslim 7
- Niño Común 9
- Niño Enano 11

OTHER DIPLOID (AA)
- Katual Vunalir 13
- Kirkirnan 15
- Kuspaka 17
- Patupi 19
- Tuu Gia 21
- Veinte Cohol 23

***MUSA BALBISIANA* (BB)**
- Tani 25
- Unknown 27

NEY POOVAN (AB)
- Ney Poovan 29

CAVENDISH (AAA)
- 1-A 31
- 2-A 33
- 3-A 35
- 5-A 37
- 6-A 39
- 8-A 41
- Dwarf Cavendish 43
- Dwarf Valery 45
- Enano Gigante 47
- Giant Cavendish 49
- Giant Governor 51
- Grande Naine 53
- Guineo Doble 55
- Guineo Enano 57
- Johnson 59
- Mahoe 61
- Montecristo 63
- Montecristo Enano 65
- Sc 2T 67
- Taiwanese Somaclone 69
- Valery 71
- Volunteer *Musa* 73
- Williams 75
- Ziv 77

GROS MICHEL (AAA)
- 2-R-2, 500 79
- 3-R-2, 500 81
- 4-R-2, 500 83
- 10-A 85
- Gigante Blanco 87
- Gros Michel 89
- Guaran Enano 91

MUTIKA/LUJUGIRA (AAA)
- Igcpoca 93
- Ignamico 95
- Nchumbahoka 97

RED (AAA)
- Cuban Red 99
- Morado 101
- Morado Enano 103
- Verdin 105

IBOTA (AAA)
- Yangambi Km5 107

UNKNOWN (AAA)
- Paggi 109
- Unknown 111

MYSORE (AAB)
- Mysore 113

MAOLI (AAB)
- Mai'a Maoli Eka 115
- Manini 117

POPOULU (AAB)
- Huamoa 119

SILK (AAB)
- Golden Pillow 121
- Manzano 123

POME (AAB)
- Antigua Finger Rosa 125
- Hy Brazilian 127
- Pirineo 129
- Poni 131
- Rajapuri 133
- Señorita 135

IHOLENA (AAB)
- Tigua 137

LAKNAU (AAB)
Dare ... 139
Laknau-23472 ... 141
Laknau-23479 ... 143

PLANTAIN (AAB)
African Rhino ... 145
Chinga ... 147
Colombian Dwarf ... 149
Common Dwarf ... 151
Common Harton ... 153
Congo-300 ... 155
Corozal Selection 25 ... 157
Dominican Dwarf ... 159
Dominico Harton ... 161
Dwarf Superplantain ... 163
False Horn Dominican Red ... 165
French Dwarf ... 167
French-type Dominican Red ... 169
Harton Selection Chago ... 171
Horn Plantain ... 173
Maiden Plantain ... 175
Maricongo ... 177
Tall Superplantain ... 179

MONTHAN (ABB)
Monthan ... 181

PISANG AWAK (ABB)
Bom ... 183
Fougamou ... 185
Pisang Awak ... 187

SABA (ABB)
Cardaba ... 189
Pisang Siguatepeque ... 191
Praying Hands ... 193

NEY MANNAN (ABB)
Blue Torres Strait Island ... 195
Pisang Abu Perak ... 197

BLUGGOE (ABB)
Cacambou ... 199
Dwarf Chamaluco ... 201
Dwarf Orinico ... 203
Gypungusi ... 205
Mafafo de Adjuntas ... 207
Mafafo de Puerco ... 209
Mafafo Dominicano ... 211
Paka ... 213

PELIPITA (ABB)
Pelipita-Colombia ... 215
Pelipita-Costa Rica ... 217

ORNAMENTAL
Flowering Banana ... 219
Flowering Banana (Standard Lavender) ... 221
Pink Banana ... 223
Scarlet Banana ... 225
Siam Ruby ... 227
Thousand Fingers ... 229
Unknown ... 231

SYNTHETIC HYBRID
2390-2 ... 233
CRBP 39 ... 235
FHIA-01 ... 237
FHIA-02 ... 239
FHIA-03 ... 241
FHIA-17 ... 243
FHIA-18 ... 245
FHIA-21 ... 247
FHIA-23 ... 249
PA12.03 ... 251
PV 03.44 ... 253
PV 42.53 ... 255
PV 42.81 ... 257
PV 42.320 ... 259
SH-3640.10 ... 261
TM 3x 15108-6 (PITA 16) ... 263
TMB 2x 9128-3 ... 265
TMB 1378 ... 267
TMB 5295-1 ... 269
TMPx1621-1 ... 271
TMPx44791-1 ... 273
TMBx7152-2 ... 275

Abbreviations ... 277
Glossary ... 278

Manini
Maoli - AAB

Introduction

Overview

Banana genetic resources can be found *in situ* in native habitats in Southeast Asia and the Pacific region. *Ex situ* collections also exist in important tropical regions of the world as well as in *in vitro* cultures at the Bioversity International Musa Germplasm Transit Centre. Unfortunately, readily available digital images and detailed information on characterization and evaluations is limited or not accessible for many of the banana accessions held in international collections. Therefore, in an effort to make information more accessible, this publication on banana genetic resources held at the USDA-ARS Tropical Agriculture Research Station is being assembled and made publicly available.

The catalog of banana (*Musa* spp.) accessions maintained at the USDA-ARS Tropical Agriculture Research Station is for research and educational purposes. It is a tool that has been developed in an effort to consolidate detailed information on specific banana germplasm accessions. The combined data in the form of digital voucher images of particular phenotypic traits, agronomic traits as well as molecular information can be used by plant science researchers, science educators and growers. It can be used by other banana genetic resources managers that can use the digital images, the values for particular traits and/or the molecular marker data for comparing and contrasting to their germplasm. Comparisons can be made to determine off-types, synonyms, or for contrasting agronomic performance across agro-environments. Growers could use the catalog to better understand diversity in Musa, to learn about the holdings at TARS and even to choose particular accessions they might want to evaluate on their farms based on the published agronomic performance traits. Although much of the information contained in the catalog is readily accessible (e.g., can be viewed and downloaded) from the National Plant Germplasm System's (NPGS) Germplasm Resources Information Network (GRIN-Global) database and the Musa Germplasm Information System (MGIS) database, it is not displayed in the same format (i.e., catalog format).

TARS History, Mission and Organization

The Tropical Agriculture Research Station (TARS) in Mayagüez, Puerto Rico, is part of the Southeast Area, Agricultural Research Service, United States Department of Agriculture. In 1901, the United States Congress appropriated $5,000 and directed the Secretary of Agriculture to take the necessary steps to establish an experiment station in Puerto Rico to study agricultural problems of interest to the island. The Governor of Puerto Rico, in cooperation with the communities of the island and representatives of the United States Department of Agriculture selected the present site of the station in Mayagüez, on the farm known as Hacienda Carmen. The Government of Puerto Rico donated the land, and the station began operations in 1902. The early years (1901- 1930) of the station were devoted primarily to introduction of new crops and new varieties of crops in order to meet the agricultural needs of the island. Since 1935, TARS has gradually modified its research program to the point where most of its research is now concerned with the fundamental aspects of problems related to national/regional agriculture. TARS proximity to the University of Puerto Rico, Mayagüez Campus, has encouraged cooperative research programs with the College of Agricultural Sciences and its Agricultural Experiment Stations for many decades.

The mission of the Tropical Agriculture Research Station is to conduct agricultural research to: 1) Assess tropical sorghum and dry bean genetic resources for disease resistance and genetic diversity and develop germplasm adapted to temperate regions, and 2) To introduce, preserve, evaluate, regenerate, distribute tropical fruit germplasm and develop cultural and management systems for tropical/subtropical crops that are of economic importance to the Continental and Insular United States. All research projects form part of National Programs 301: Plant Genetic Resources, Genomics and Genetic Improvement and National Program 305: Crop Production.

The USDA-ARS Tropical Agriculture Research Station is the only research entity within the National Plant Germplasm System in the insular Caribbean region. It houses germplasm collections of cultivated tropical/subtropical bananas, cacao, mamey sapote, sapodilla, Spanish lime, species in the *Annona* and *Garcinia* genera, and bamboo.

The lack of well established, organized and properly maintained *ex situ* germplasm collections could mean the loss of useful genetic resources. *Musa* spp. germplasm collections exist in the world, however genetic diversity is underrepresented and many accessions lack characterization and evaluation data. Over time, genetically diverse *Musa* spp. germplasm will be added to existing TARS collection. Germplasm will be maintained, characterized and distributed which will aid in diversifying Puerto Rico's and the region's agricultural economies. Germplasm genotypic characterizations utilize current and novel molecular approaches for determination of genetic integrity and for estimation of genetic diversity. Deficiencies or gaps identified in genetic diversity comprehensiveness will be addressed by introduction of representative germplasm. In addition, in vitro and cryopreservation techniques are being assessed for their increased propagation efficiency, ease of distribution and for backup purposes. Evaluations for priority horticultural traits have been and will continue to be carried out for *Musa* spp. genetic resources. All data (genotypic/phenotypic) is made available to stakeholders via scientific presentations, publications, websites and the GRIN-Global and crop specific databases. Disease-tested Musa spp. genetic resources are distributed, in limited quantities, for research and educational purposes. A valid justification for the need must accompany any germplasm requests. The NPGS germplasm request form can be accessed at the following link https://npgsweb.ars-grin.gov/.

Information sources for catalog

Information contained in this catalog has been collected over several years and is a collaborative effort of many individuals including support and technical staff from TARS. The data and images collected, assembled and displayed in the catalog originate from several experiments that are described in more detail below.

Exp. #1 - *Plantain evaluation* *(1998-1999)*

An experiment was established to characterize 27 locally selected and introduced plantain and cooking banana clones. The experiment was conducted on the TARS research farm (18 28'18.38"N, 67 3'4.25"W; elevation 118 masl) in Isabela, Puerto Rico from August, 1998 through November 1999. The clones were arranged in a Randomized Complete Block Design (RCBD) with four plants in three blocks. Twenty morphological descriptors were used to obtain information of the plant, bunch and individual fruits at bunch emergence and at harvest. The clones were first organized into two main groups on the basis of their genomic constitution: true plantain (*Musa* AAB) and cooking banana (*Musa* ABB, AAAB). Within the second group, three *Musa* AAB clones that are considered distinctive cooking bananas because the M. acuminata species responsible for the donation of the A genome had its origin in the Pacific and not in Asia, were also included. In each main group the clones were subdivided into true-horn, false-horn and French on the basis of bunch phenotype and inflorescence. Clones in these three subgroups were further subdivided into tall and dwarf, depending on the height of the pseudostem. After the clones were organized into this classification, statistical comparisons were made between or among those corresponding to the same subdivision, utilizing the data obtained from the plant, bunch and individual fruit traits.

Citation: Irizarry et al., 2001. Characterization and grouping of plantain clones on the basis of their genomic constitution and morphological trait of economic importance. J. Agric. Univ. P.R. 85:105-126.

Exp. #2 - *Banana evaluation* *(2005-2008)*

The TARS *Musa* spp. (banana) collection was field characterized at the Isabela research farm in Isabela, Puerto Rico. These evaluations excluded plantain and cooking banana germplasm previously characterized by Irizarry et al., 2001. Plants were established from pared down adventitious suckers (i.e., field corms) in a randomized complete block design with three replicate plants in each of three blocks. Plants were evaluated for two cycles (mother and first ratoon) over a three year period (2005-2007). Characterization and evaluation efforts focused on highly discriminating phenotypic traits (e.g., pseudostem height and diameter) in addition to agronomic traits of importance (e.g., bunch size, fruit number and fruit size) and these were recorded for all accessions being evaluated. Both phenotypic and agronomic traits were measured in an attempt to efficiently distinguish among similar clonally propagated accessions as well as to identify accessions with promising agronomic potential.

Exp. #3 - *Ploidy and flow cytometry* *(2008)*

Many of the accessions in the *Musa* spp. collection at TARS were of unknown genomic composition. In an effort to better characterize the collection, RAPD and PCR-RFLP markers, as well as flow cytometry, were employed to determine genomic composition and ploidy level. Plant material evaluated included all 135 *Musa* spp. accessions maintained at TARS research farm in Isabela, Puerto Rico. Two other species of the *Musa* spp. collection, *M. velutina* and *M. ornata*, members of the Rhodochlamys section, were included as controls for comparisons. Young leaves from three separate plants for each accession were collected in the field and brought to the laboratory for DNA extraction and further processing. Ploidy was determined by the use of a Partec Ploidy Analyzer I flow cytometer. The cultivar 'Kirkirnan' was used as a validated diploid *Musa* genotype for calibration. A PCR-RFLP restriction and amplification reaction was then used to determine genomic composition based on banding pattern visualized in an agarose gel after electrophoresis. Three replicated reactions were carried out for each accession to accurately determine ploidy and genomic composition.

Citation: Irish B. M., Crespo, A., Goenaga, R. and Neidz, R. 2009. Ploidy level and genomic composition of the USDA-ARS Tropical Agriculture Research Station *Musa* sp. germplasm collection. J. Agric. Univ. P.R. 93:1- 22.

Exp. #4 - *Black leaf streak (BLS) evaluation* *(2009-2012)*

Musa spp. synthetic hybrids were obtained as virus-indexed in vitro tissue cultured plantlets or adventitious sword sucker meristems for in vitro induction, either from the Bioversity International Musa Germplasm Transit Centre at the Catholic University in Leuven, Belgium, or directly from one of several other international *Musa* breeding programs. Following acclimatization in greenhouses, plants were field established on 20 February 2008 at TARS research farm in Isabela, Puerto Rico. A total of 16 individual treatments, including resistant and susceptible checks, were established in a RCBD experiment with four blocks and six single plant experimental units per block. Treatment blocks were spaced 1.5 m between plants and 3.0 m between rows with two rows of three replicate plants consisting of a treatment. Border rows of 'Grande Naine' were established around each treatment and block to ensure uniform disease pressure. Commercial practices for irrigation, fertilization and insect control were followed throughout the evaluation. Fungicide applications for disease control were excluded. Gauhl's modification of Stover's Sigatoka severity scoring system was utilized. The scoring system follows a 0 to 6 scale where, 0 = no symptoms; 1 = 1%; 2 = 2 to 5%; 3 = 6 to 15%; 4 = 16 to 33%; 5 = 34 to 50%; and 6 = > 50% of leaf area affected. Beginning 6 months after field establishment, which corresponded to the first appearance of BLS symptoms, every leaf on individual plants was scored monthly for two full crop cycles (mother and first ratoon). Disease severity was also recorded at flowering/shooting and harvest during both production cycles. During both cropping cycles, the following agronomic and bunch characteristics were recorded: length of crop cycle, number of functional leaves at flowering and harvest, plant height and pseudostem diameter at flowering, bunch weight, and number of hands and fruit per bunch. In addition, the weight of third hand fruit as well as the length and diameter for the middle six fruits in the third hand were recorded. Data for both mother (1st cycle) and 1st ratoon (2nd cycle) was combined in the catalog.

Citation: B. M. Irish, R. Goenaga, C. Rios, J. Chavarria-Carvajal, and R. Ploetz. 2013. Evaluation of banana hybrids for tolerance to black leaf streak (*Mycosphaerella fijiensis Morelet*) in Puerto Rico. Crop Prot. 54:229-238.

Exp. #5 - Microsatellite characterization *(2012)*

Plant material for DNA extractions was collected from three separate *Musa* spp. field plantings on the TARS research farm in Isabela, Puerto Rico as well as from the TARS tissue culture collection. Leaf samples were collected from all four replicate plants in the field germplasm collection, from representative plants from a black leaf streak disease evaluation plot as well as from a core set of *Musa* spp. plants being evaluated for morphological traits. As plants from in vitro tissue culture are micropropagated from one primary initiated apical meristem, a single representative plantlet for each accession was used for DNA extraction. Additional DNA samples were graciously provided by Dr. Jaroslav Dolezel, as part of the Global Musa Genomic Consortium (GMGC) service from the Laboratory of Molecular Cytogenetics and Cytometry of the Institute of Experimental Botany, Olomouc, Czech Republic. These reference DNA sample duplicates were included in the analysis as references for specific subgroups not represented in the existing collection as well as a separate source of DNA to confirm matching with synonymous clones and reproducibility of technique.

DNA samples were then shipped to USDA-ARS Genomics and Bioinformatics Research Unit in Stoneville, MS for PCR and subsequent electrophoresis. Twenty two microsatellite markers were used to fingerprint replicate plants for 184 unique accessions of the TARS *Musa* spp. germplasm collection. SSR primer sequences were developed and selected for their allelic diversity and for usefulness in distinguishing diverse *Musa* spp.

Citation: Irish, B. M., Cuevas, H., Simpson, S., Scheffler, B., Sardos, J., Ploetz, R. and Goenaga, R. 2013. *Musa* spp. germplasm management: microsatellite fingerprinting of USDA-ARS National Plant Germplasm System. Crop Sci. 54: 2140-2151.

Exp. #6 - *Banana characterization* *(2014-2015)*

Several additional accessions, that form part of the *Musa* spp. collection, have been characterized for this catalog and did not form part of the previously described experimental evaluations. For these accessions, descriptor data was collected for two plants of each accession. Plants were established as part of the field germplasm collection at the TARS research station in Isabela, Puerto Rico. Descriptor data was collected for phenotypic and agronomic traits (e.g., pseudostem height and diameter, bunch weight, and number of fruit/bunch) for both mother (1st cycle) and first ratoon (2nd cycle) and combined in the catalog.

Accession Information

Information in the catalog for each accession (in most cases) includes:

Page tab color/subgroup - Each page's margin is color coded and labeled with accession's subgroup

Accession name - Name of accession when received

TARS# - Unique identifier associated with the particular accession and the USDA-ARS, Tropical Agriculture Research Station (TARS)

Taxonomy
(*based on current taxonomy and that is described in Daniells et al., 2001[1])

- **Genus** - Part of binomial nomenclature in plant taxonomy above species
  - Equivalent to *Musa* in this catalog
- **Species/Groups** - Part of binomial nomenclature in plant taxonomy below genus level
  - Species in this catalog: *acuminata*, *balbisiana*, *hybrid*, *coccinea*, *ornata* and *velutina*
- **Subspecies/Subgroup** – Groups based on genomic contribution of ancestral relatives and is based on ploidy (e.g., A = *M. acuminata* and B = *M. balbisiana*) with number of letters (2, 3, or 4) indicating ploidy; accessions differ based on somatic mutations with subgroup
  - Many subgroups exists (e.g., Cavendish, Red, Silk)
- **Section** - Part of binomial nomenclature in plant taxonomy below the genus and above the species
  - *Musa* sections included in this catalog are *Callimusa*, *Musa* (*Eumusa*), and *Rhodochlamys*; the chromosome number for each section is included in parenthesis (e.g., n = 11)

Passport

- **Status** - Indicates the form in which the plant is used in agriculture and includes, cultivated, land race, wild, breeding line, or synthetic hybrid
- **Origin** - If known, the original source or location of the accession
- **Synonyms** - Any regional common synonyms for the particular accession
- **Backup** - Any sites, within the USDA-ARS, where specific accession is currently being backed up
- **Date donated** - Date received by USDA-ARS, TARS
- **Donor** - Collaborator who provided/donated the particular accession to USDA-ARS, TARS

Notes - Any notes or observations made by the crop curator about the particular accession or that might be commonly associated with the accession

Genetic - SSR or microsatellite fingerprint profiles provided for clonal accession to be used for comparison and for genetic diversity assessment

Agronomic - Information (phenotypic, morphological, and agronomic) collected for particular accession over several years in separate characterization and evaluation experiments (*see previous section for detailed description of experiments*).

- **Days from plant to harvest** - The number of days from the date of planting until bunch was harvested (physiologically mature, but not ripe)
- **Days from flower to harvest** - The number of days from the date of inflorescence emergence until bunch was harvested (physiologically mature, but not ripe)

1 Daniells J., C. Jenny, D. Karamura and K. Tomekpe. 2001. Musalogue: a catalogue of Musa germplasm. Diversity in the genus Musa (E. Arnaud and S. Sharrock, compil.). International Network for the Improvement of Banana and Plantain, Montpellier, France.

- **Plant diameter** - Pseudostem diameter one meter above the ground and collected at bunch emergence (measured in centimeters)
- **Plant height** - Pseudostem height from the ground to highest intersection of leaf petioles and collected at bunch emergence (measured in meters)
- **Leaves at flowering** - The number of functional leaves on plant at inflorescence emergence (functional leaf = >50% area photosynthetically active)
- **Leaves at harvest** - The number of functional leaves on plant at bunch harvest (functional leaf = >50% area photosynthetically active)
- **Net bunch weight** - Weight of the fruit on a bunch determined by total bunch weight and then subtracting rachis weight after hands have been removed
- **Number of hands** - The number of hands on a harvested bunch
- **Number of fruits** - Total number of fruits on a harvested bunch
- **Pseudostem color** - Predominant color of pseudostem (outer surface)
- **Suckers at harvest** - The number of adventitious suckers around mother or first ratoon pseudostems at harvest
- **Bunch phenotype** - For plantains only, and can be Horn, False-horn or French type
- **Economic importance** - How fruit or plant is used including dessert, cooking, beer, leaves, etc

BLS reaction: Curator observation on how resistant or susceptible a plant is to infection by *Mycosphaerella fijiensis*, causal organism of black leaf streak (BLS).

CATALOG OF MUSA ACCESSIONS

MAINTAINED AT THE USDA-ARS TROPICAL AGRICULTURE RESEARCH STATION

Scarlet banana
Ornamental

TARS 17413 - 'Datil La Lima'

Sucrier (AA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Sucrier - AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Pisang Mas, Lady's finger

Status: Cultivar

Origin: Malaysia

USDA Backup: SHRS (MIA 32479); NGGRP

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Sweet fruit; many of the Sucrier accessions look similar and might be synonyms of each other; slight differences in height among accessions.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	232	238
mMaCIR03	99	103
mMaCIR07	150	-
mMaCIR08	241	245
mMaCIR13	277	-
mMaCIR24	218	-
mMaCIR27	219	228
mMaCIR39	315	323
mMaCIR40	163	164
mMaCIR45	269	-
mMaCIR150	237	-
mMaCIR152	141	-
mMaCIR164	384	386
mMaCIR196	145	149
mMaCIR214	103	-
mMaCIR231	232	260
mMaCIR260	190	-
mMaCIR264	232	-
mMaCIR307	141	143
Ma 1-32	239	-
Ma 3-90	142	155

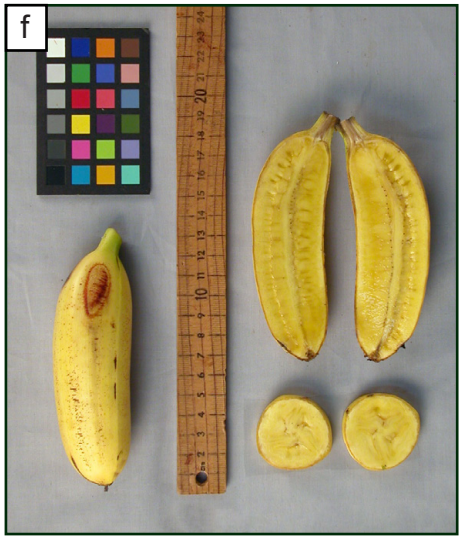
Agronomic

Days from plant to harvest	326
Days from flower to harvest	56
Plant diameter (cm)	15.8
Plant height (m)	3.7
Plant leaves at flowering	14.1
Plant leaves at harvest	11.9
Net bunch weight (kg)	11.4
Number of hands	6.3
Number of fruits	125.7
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	2.0	1.3
Fruits per hand	20.1	19.1
Fruit width (mm)	34.9	33.1
Fruit length	15.2	11.1

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17413 - 'Datil La Lima'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Sucrier (AA)

TARS 17399 - 'Hapai'

Sucrier (AA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Sucrier - AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Pisang Mas, Lady's finger

Status: Cultivar

Origin: Malaysia

USDA Backup: SHRS (MIA 32617)

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Sweet fruit; Hapai means pregnant in Hawaiian; accessions sometimes shows swelling of pseudostem; slight differences in height exist among accessions.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	232	238
mMaCIR03	99	103
mMaCIR07	150	-
mMaCIR08	241	245
mMaCIR13	277	-
mMaCIR24	218	-
mMaCIR27	219	228
mMaCIR39	315	323
mMaCIR40	163	164
mMaCIR45	269	-
mMaCIR150	237	-
mMaCIR152	141	-
mMaCIR164	384	386
mMaCIR196	145	149
mMaCIR214	103	-
mMaCIR231	232	260
mMaCIR260	190	-
mMaCIR264	232	-
mMaCIR307	141	143
Ma 1-32	239	-
Ma 3-90	142	155

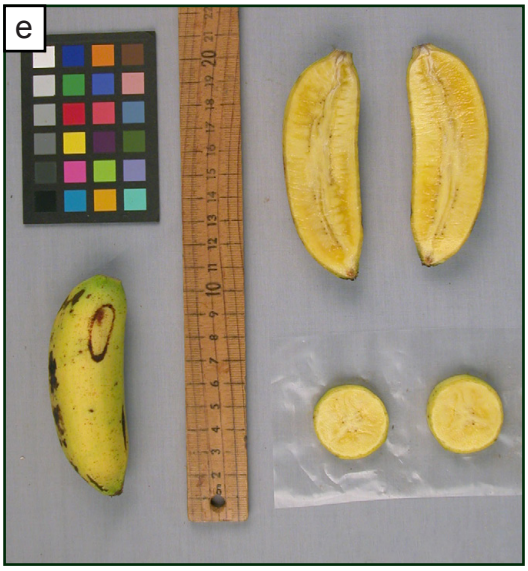
Agronomic

Days from plant to harvest	312
Days from flower to harvest	60
Plant diameter (cm)	15.5
Plant height (m)	3.7
Plant leaves at flowering	12.8
Plant leaves at harvest	9.9
Net bunch weight (kg)	9.9
Number of hands	6.9
Number of fruits	139.2
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	1.6	1.0
Fruits per hand	20.7	18.9
Fruit width (mm)	32.3	28.8
Fruit length	12.6	12.1

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17399 - 'Hapai'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Sucrier (AA)

TARS 17390 - 'Mai'a Hapai'

Sucrier (AA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Sucrier - AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Pisang Mas, Lady's finger

Status: Cultivar

Origin: Malaysia

USDA Backup: SHRS (MIA 35212); NGGRP

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Sweet fruit; Hapai means pregnant in Hawaiian; accessions sometimes shows swelling of pseudostem; slight differences in height exist among accessions.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	-	-
mMaCIR03	101	106	-
mMaCIR07	136	152	-
mMaCIR08	241	-	-
mMaCIR13	246	251	268
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	237	243	-
mMaCIR152	141	163	-
mMaCIR164	294	385	387
mMaCIR196	145	159	-
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	192	206	-
mMaCIR264	224	230	241
mMaCIR307	145	149	-
Ma 1-32	221	227	232
Ma 3-90	131	142	-

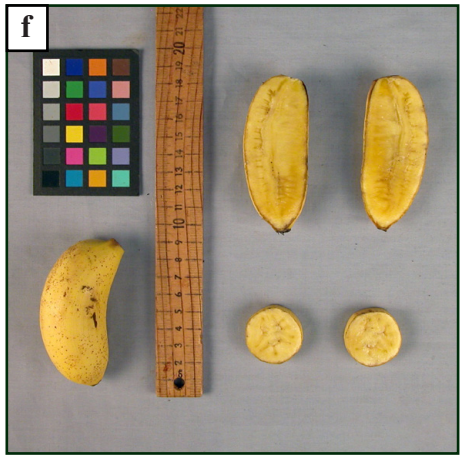
Agronomic

Days from plant to harvest	300
Days from flower to harvest	62
Plant diameter (cm)	13.8
Plant height (m)	3.3
Plant leaves at flowering	12.2
Plant leaves at harvest	9.2
Net bunch weight (kg)	9.3
Number of hands	6.1
Number of fruits	127.7
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	1.6	1.0
Fruits per hand	20.4	19.8
Fruit width (mm)	32.7	31.0
Fruit length	12.0	10.0

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17390 - 'Mai'a Hapai'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Sucrier (AA)

TARS 17425 - 'Mosslim'

Sucrier (AA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Sucrier - AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Malaysia

USDA Backup: SHRS (MIA 34184)

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Sweet fruit; Hapai means pregnant in Hawaiian; accessions sometimes shows swelling of pseudostem; slight differences in height exist among accessions.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	232	238
mMaCIR03	99	103
mMaCIR07	150	-
mMaCIR08	241	245
mMaCIR13	277	-
mMaCIR24	218	-
mMaCIR27	219	228
mMaCIR39	315	323
mMaCIR40	163	164
mMaCIR45	269	-
mMaCIR150	237	-
mMaCIR152	141	-
mMaCIR164	384	386
mMaCIR196	145	149
mMaCIR214	103	-
mMaCIR231	232	260
mMaCIR260	190	-
mMaCIR264	232	-
mMaCIR307	141	143
Ma 1-32	239	-
Ma 3-90	142	155

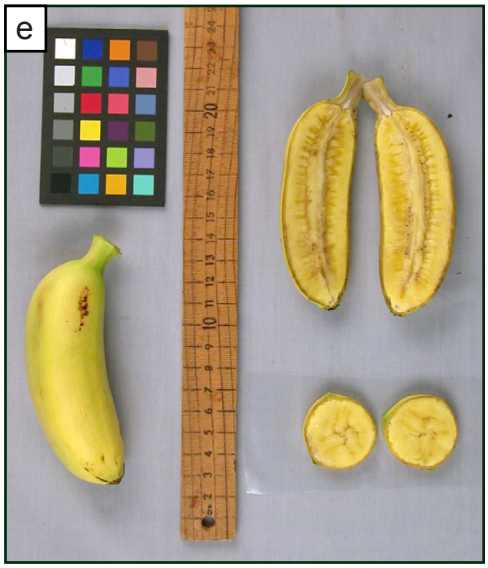
Agronomic

Days from plant to harvest	309
Days from flower to harvest	72
Plant diameter (cm)	16.2
Plant height (m)	3.9
Plant leaves at flowering	15.7
Plant leaves at harvest	10.0
Net bunch weight (kg)	8.4
Number of hands	6.2
Number of fruits	114.6
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	1.4	0.9
Fruits per hand	18.1	17.4
Fruit width (mm)	30.5	28.9
Fruit length	14.0	10.8

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17425 - 'Mosslim'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Sucrier (AA)

TARS 17379 - 'Niño Común'

Sucrier (AA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Sucrier - AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Pisang Mas, Lady's finger

Status: Cultivar

Origin: Malaysia

USDA Backup: SHRS (MIA 32203); NGGRP

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Sweet fruit; many of the Sucrier accessions look similar and might be synonyms of each other; slight differences in height among accessions.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	232	238
mMaCIR03	99	103
mMaCIR07	150	-
mMaCIR08	241	245
mMaCIR13	277	-
mMaCIR24	218	-
mMaCIR27	219	228
mMaCIR39	315	323
mMaCIR40	163	164
mMaCIR45	269	-
mMaCIR150	237	-
mMaCIR152	141	-
mMaCIR164	384	386
mMaCIR196	145	149
mMaCIR214	103	-
mMaCIR231	232	260
mMaCIR260	190	-
mMaCIR264	232	-
mMaCIR307	141	143
Ma 1-32	239	-
Ma 3-90	142	155

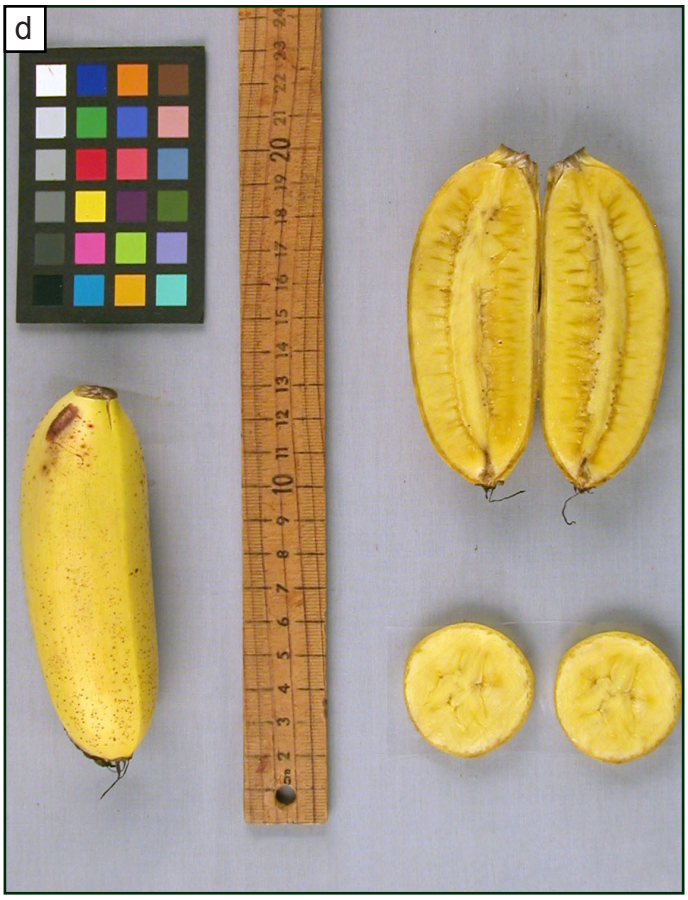
Agronomic

Days from plant to harvest	301
Days from flower to harvest	60
Plant diameter (cm)	14.3
Plant height (m)	2.5
Plant leaves at flowering	11.0
Plant leaves at harvest	9.8
Net bunch weight (kg)	7.79
Number of hands	6.8
Number of fruits	130
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	18.8	15.8
Fruit width (mm)	3.1	2.8
Fruit length	10.0	7.9

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17379 - 'Niño Común'



a. Pseudostem; b. Pseudostem detail; c. Inflorescence; d. Ripe fruit

Sucrier (AA)

TARS 17142 - 'Niño Enano'

Sucrier (AA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Sucrier - AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Pisang Mas, Lady's finger

Status: Cultivar

Origin: Malaysia

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Sweet fruit; many of the Sucrier accessions look similar and might be synonyms of each other; slight differences in height among accessions.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	232	238
mMaCIR03	99	103
mMaCIR07	150	-
mMaCIR08	241	245
mMaCIR13	277	-
mMaCIR24	218	-
mMaCIR27	219	228
mMaCIR39	315	323
mMaCIR40	163	164
mMaCIR45	269	-
mMaCIR150	237	-
mMaCIR152	141	-
mMaCIR164	384	386
mMaCIR196	145	149
mMaCIR214	103	-
mMaCIR231	232	260
mMaCIR260	190	-
mMaCIR264	232	-
mMaCIR307	141	143
Ma 1-32	239	-
Ma 3-90	142	155

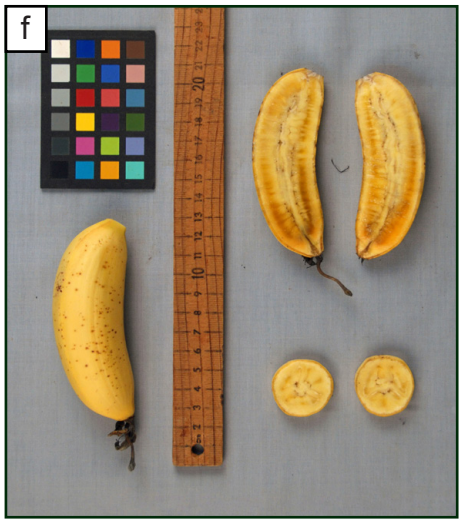
Agronomic

Days from plant to harvest	275
Days from flower to harvest	58
Plant diameter (cm)	13.8
Plant height (m)	2.3
Plant leaves at flowering	16.2
Plant leaves at harvest	13.3
Net bunch weight (kg)	7.9
Number of hands	5.8
Number of fruits	115.3
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	1.4	0.9
Fruits per hand	19.5	17.9
Fruit width (mm)	32.1	29.1
Fruit length	11.9	9.8

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17142 - 'Niño Enano'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Sucrier (AA)

TARS 17412 - 'Katual Vunalir'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Other diploid - AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: PNG 119, Katual Vunalair

Status: **Cultivar**

Origin: Papua New Guinea

USDA Backup: SHRS (MIA 34181)

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Loose hanging fruit, white male flower bud.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	240	252
mMaCIR03	101	-
mMaCIR07	139	-
mMaCIR08	241	-
mMaCIR13	268	284
mMaCIR24	228	-
mMaCIR27	217	225
mMaCIR39	315	341
mMaCIR40	163	-
mMaCIR45	266	269
mMaCIR150	237	-
mMaCIR152	141	-
mMaCIR164	385	387
mMaCIR196	145	162
mMaCIR214	103	-
mMaCIR231	224	242
mMaCIR260	192	-
mMaCIR264	241	249
mMaCIR307	145	-
Ma 1-32	232	-
Ma 3-90	147	157

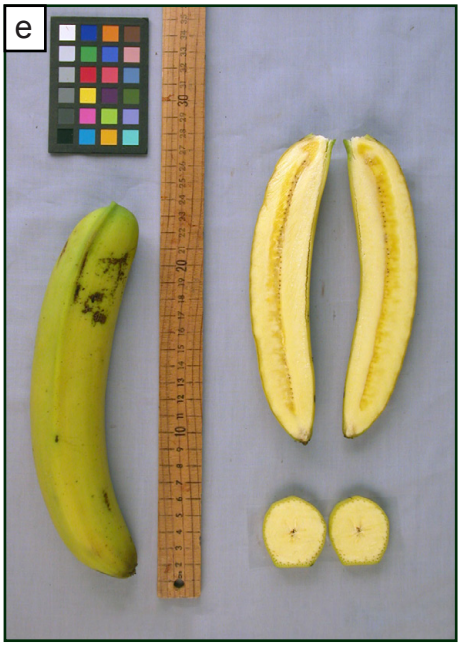
Agronomic

Days from plant to harvest	436
Days from flower to harvest	79
Plant diameter (cm)	13.0
Plant height (m)	3.6
Plant leaves at flowering	16.5
Plant leaves at harvest	8.5
Net bunch weight (kg)	9.5
Number of hands	4.5
Number of fruits	57.5
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	-

	Third Hand	Last Hand
Weight (kg)	2.1	1.8
Fruits per hand	15.0	13.8
Fruit width (mm)	35.5	34.0
Fruit length (cm)	23.0	21.2

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17412 - 'Katual Vunalir'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17404 - 'Kirkirnan'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Other diploid - AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: PNG 132

Status: Cultivar

Origin: Papua New Guinea

USDA Backup: None

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Fruit a bit starchy; small bunch; red and ornamental fruit/pseudostem.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	238	252
mMaCIR03	99	101
mMaCIR07	136	153
mMaCIR08	241	245
mMaCIR13	265	-
mMaCIR24	226	228
mMaCIR27	217	-
mMaCIR39	341	-
mMaCIR40	162	178
mMaCIR45	266	269
mMaCIR150	243	-
mMaCIR152	141	-
mMaCIR164	384	-
mMaCIR196	162	163
mMaCIR214	100	103
mMaCIR231	226	-
mMaCIR260	190	192
mMaCIR264	227	249
mMaCIR307	145	-
Ma 1-32	227	229
Ma 3-90	142	147

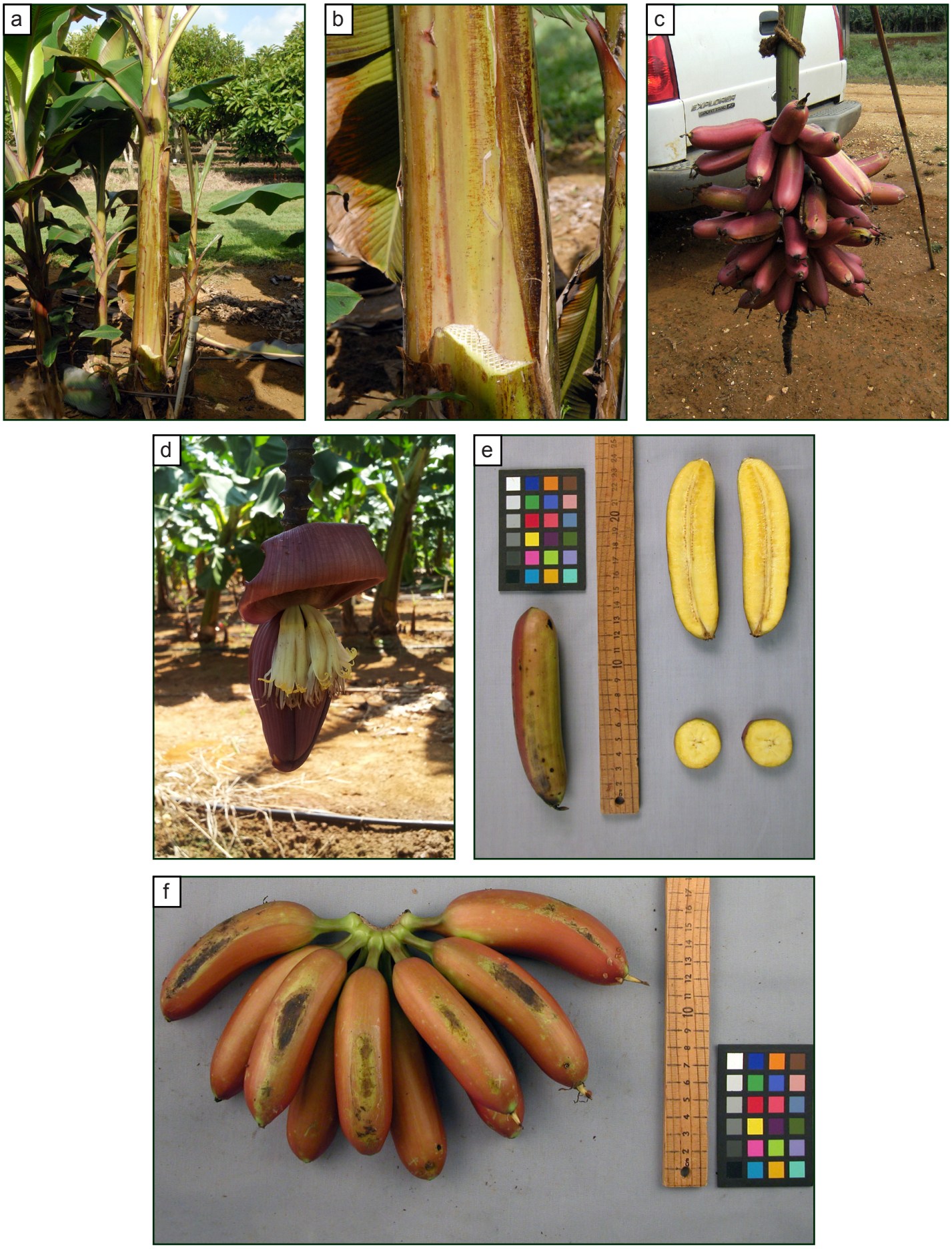
Agronomic

Days from plant to harvest	291
Days from flower to harvest	120
Plant diameter (cm)	10.2
Plant height (m)	2.5
Plant leaves at flowering	17.9
Plant leaves at harvest	15.3
Net bunch weight (kg)	4.3
Number of hands	4.1
Number of fruits	41.6
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Ornamental/cooking
BLS Reaction	-

	Third Hand	Last Hand
Weight (kg)	1.3	0.7
Fruits per hand	10.1	9.6
Fruit width (mm)	33.1	30.9
Fruit length (cm)	14.0	12.6

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17404 - 'Kirkirnan'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17411 - 'Kuspaka'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Other diploid - AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: PNG 219

Status: Cultivar

Origin: Papua New Guinea

USDA Backup: PNG 219

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Compact bunch.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	232	252
mMaCIR03	101	-
mMaCIR07	136	-
mMaCIR08	241	249
mMaCIR13	268	272
mMaCIR24	228	-
mMaCIR27	217	-
mMaCIR39	315	-
mMaCIR40	163	-
mMaCIR45	266	269
mMaCIR150	243	-
mMaCIR152	141	-
mMaCIR164	385	387
mMaCIR196	158	-
mMaCIR214	103	-
mMaCIR231	236	258
mMaCIR260	190	192
mMaCIR264	241	249
mMaCIR307	145	-
Ma 1-32	218	232
Ma 3-90	129	138

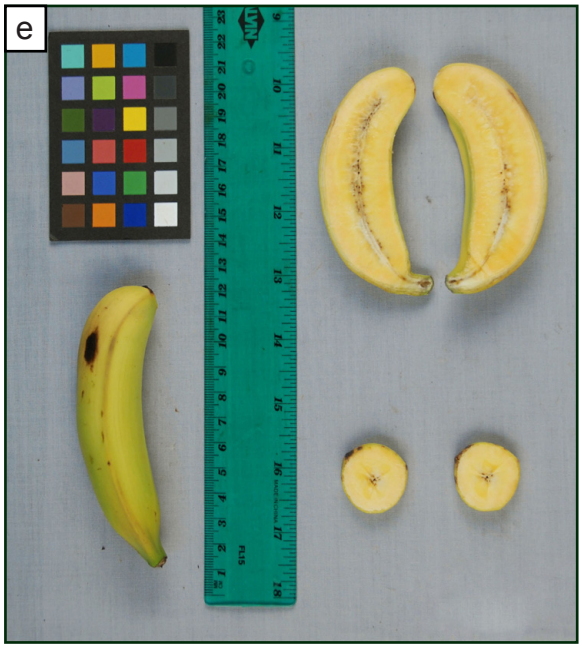
Agronomic

Days from plant to harvest	303
Days from flower to harvest	106
Plant diameter (cm)	13.7
Plant height (m)	3.6
Plant leaves at flowering	13.7
Plant leaves at harvest	12.5
Net bunch weight (kg)	10.3
Number of hands	7.4
Number of fruits	119.1
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	-

	Third Hand	Last Hand
Weight (kg)	1.6	0.9
Fruits per hand	16.7	14.9
Fruit width (mm)	35.1	30.4
Fruit length (cm)	15.0	11.4

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17411 - 'Kuspaka'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Other Diploid (AA)

TARS 17403 - 'Patupi'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Other diploid - AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: PNG 225

Status: Cultivar

Origin: Papua New Guinea

USDA Backup: PNG 225

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Sweet fruit; small bunch.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	238	248
mMaCIR03	101	103
mMaCIR07	136	169
mMaCIR08	241	249
mMaCIR13	265	268
mMaCIR24	228	234
mMaCIR27	217	-
mMaCIR39	311	341
mMaCIR40	163	-
mMaCIR45	264	266
mMaCIR150	237	243
mMaCIR152	141	-
mMaCIR164	385	-
mMaCIR196	158	162
mMaCIR214	103	-
mMaCIR231	224	258
mMaCIR260	192	-
mMaCIR264	249	-
mMaCIR307	145	-
Ma 1-32	218	229
Ma 3-90	129	142

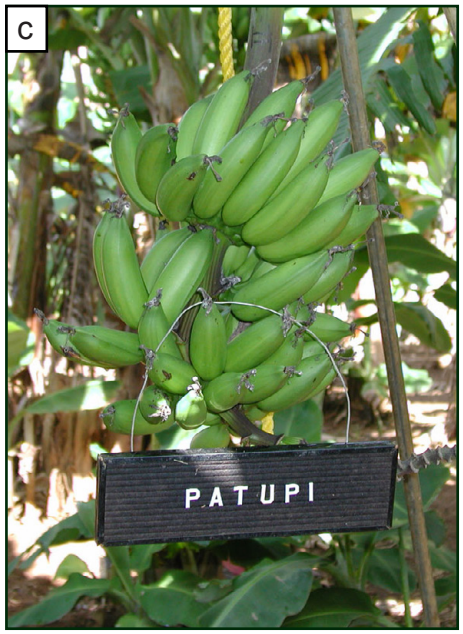
Agronomic

Days from plant to harvest	249
Days from flower to harvest	56
Plant diameter (cm)	13.0
Plant height (m)	2.5
Plant leaves at flowering	13.6
Plant leaves at harvest	9.3
Net bunch weight (kg)	13.2
Number of hands	5.8
Number of fruits	84.7
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	-

	Third Hand	Last Hand
Weight (kg)	2.1	1.4
Fruits per hand	13.6	13.6
Fruit width (mm)	39.3	37.0
Fruit length (cm)	17.8	14.4

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17403 - 'Patupi'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17382 - 'Tuu Gia'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Other diploid - AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Papua New Guinea

USDA Backup: SHRS (MIA 32618)

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator Notes: Very sweet fruit; S-shaped or double bend fruit.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	234	252
mMaCIR03	99	101
mMaCIR07	124	136
mMaCIR08	241	247
mMaCIR13	251	265
mMaCIR24	218	228
mMaCIR27	219	225
mMaCIR39	311	315
mMaCIR40	162	172
mMaCIR45	264	266
mMaCIR150	237	-
mMaCIR152	141	-
mMaCIR164	385	-
mMaCIR196	153	162
mMaCIR214	100	103
mMaCIR231	224	232
mMaCIR260	186	190
mMaCIR264	245	331
mMaCIR307	145	-
Ma 1-32	227	228
Ma 3-90	133	149

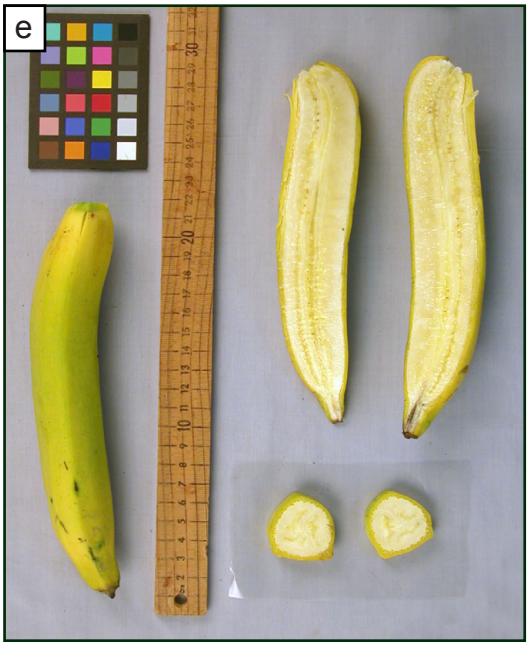
Agronomic

Days from plant to harvest	292
Days from flower to harvest	112
Plant diameter (cm)	13.8
Plant height (m)	3.0
Plant leaves at flowering	15.1
Plant leaves at harvest	8.1
Net bunch weight (kg)	10.8
Number of hands	5.9
Number of fruits	79.2
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	-

	Third Hand	Last Hand
Weight (kg)	1.8	1.2
Fruits per hand	13.1	12.8
Fruit width (mm)	29.5	28.4
Fruit length (cm)	20.9	17.1

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17382 - 'Tuu Gia'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Other Diploid (AA)

TARS 18069 - 'Veinte Cohol'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: *microcarpa* - AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Cohol

Status: Cultivar

Origin: Borneo

USDA Backup: None

Donated to TARS: April, 2008

Donors: Dr. Richard H. Wallace from Armstrong Atlantic State University, Savannah, GA

Curator notes: Compact bunch; very quick to cycle through generations.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	232	240
mMaCIR03	99	103
mMaCIR07	136	153
mMaCIR08	241	245
mMaCIR13	265	272
mMaCIR24	226	228
mMaCIR27	217	-
mMaCIR39	315	-
mMaCIR40	162	178
mMaCIR45	260	269
mMaCIR150	243	-
mMaCIR152	141	-
mMaCIR164	384	388
mMaCIR196	158	162
mMaCIR214	100	103
mMaCIR231	224	236
mMaCIR260	190	192
mMaCIR264	227	230
mMaCIR307	145	-
Ma 1-32	227	-
Ma 3-90	138	142

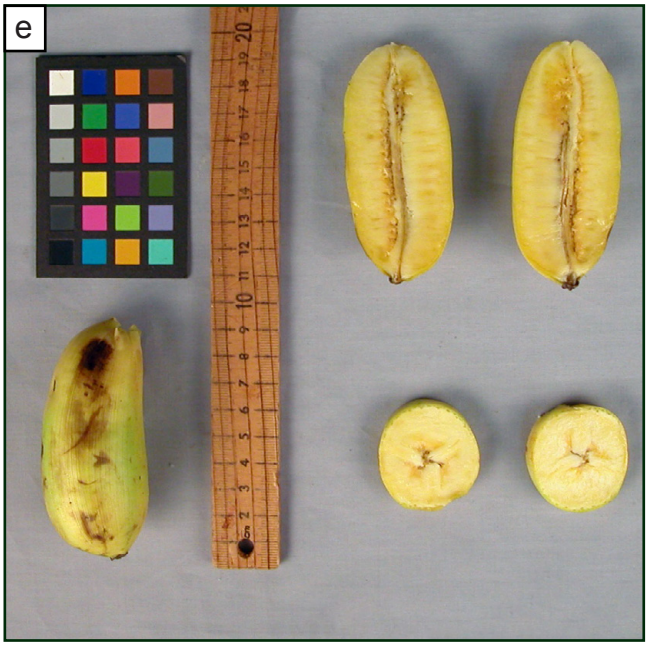
Agronomic

Days from plant to harvest	421
Days from flower to harvest	62
Plant diameter (cm)	13.8
Plant height (m)	2.1
Plant leaves at flowering	14.3
Plant leaves at harvest	12.3
Net bunch weight (kg)	7.75
Number of hands	8.7
Number of fruits	138
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	16	14.7
Fruit width (mm)	3.5	3.0
Fruit length (cm)	8.7	5.3

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18069 - 'Veinte Cohol'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Other Diploid (AA)

TARS 18046 - 'Tani'

Taxonomy

Genus: *Musa*

Species/Group: *balbisiana*

Subspecies/Subgroup: Balbisiana - BB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Wild

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: October 25, 2006

Donors: Bioversity International Musa Germplasm Transit Centre

Curator notes: Wild M. balbisiana with copious seed; tall and very resistant to many biotic pests; long cycles; cultivated for its leaves.

Genetic (SSR)

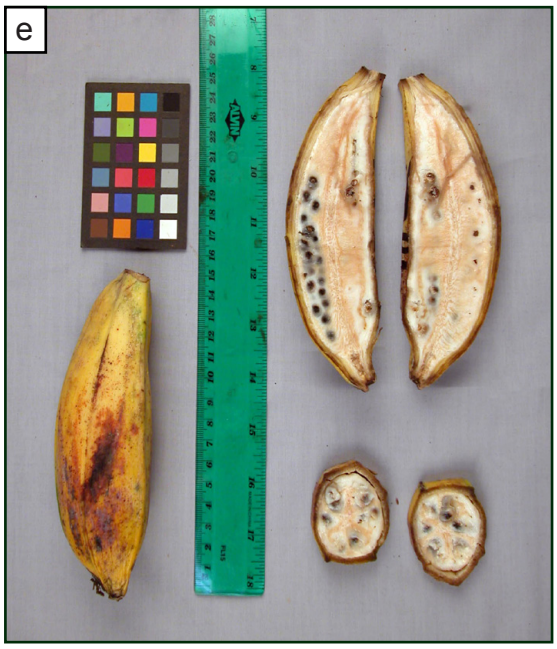
Marker	Alleles	
mMaCIR01	290	-
mMaCIR03	100	106
mMaCIR07	145	-
mMaCIR08	245	247
mMaCIR13	269	-
mMaCIR24	228	-
mMaCIR27	-	-
mMaCIR39	334	336
mMaCIR40	189	-
mMaCIR45	257	-
mMaCIR150	237	241
mMaCIR152	163	-
mMaCIR164	286	296
mMaCIR196	155	161
mMaCIR214	105	107
mMaCIR231	234	-
mMaCIR260	185	186
mMaCIR264	224	-
mMaCIR307	149	-
Ma 1-32	221	-
Ma 3-90	144	-

Agronomic

Days from plant to harvest	-
Days from flower to harvest	-
Plant diameter (cm)	-
Plant height (m)	-
Plant leaves at flowering	-
Plant leaves at harvest	-
Net bunch weight (kg)	-
Number of hands	-
Number of fruits	-
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Leaves
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	-	-
Fruit width (mm)	-	-
Fruit length (cm)	-	-

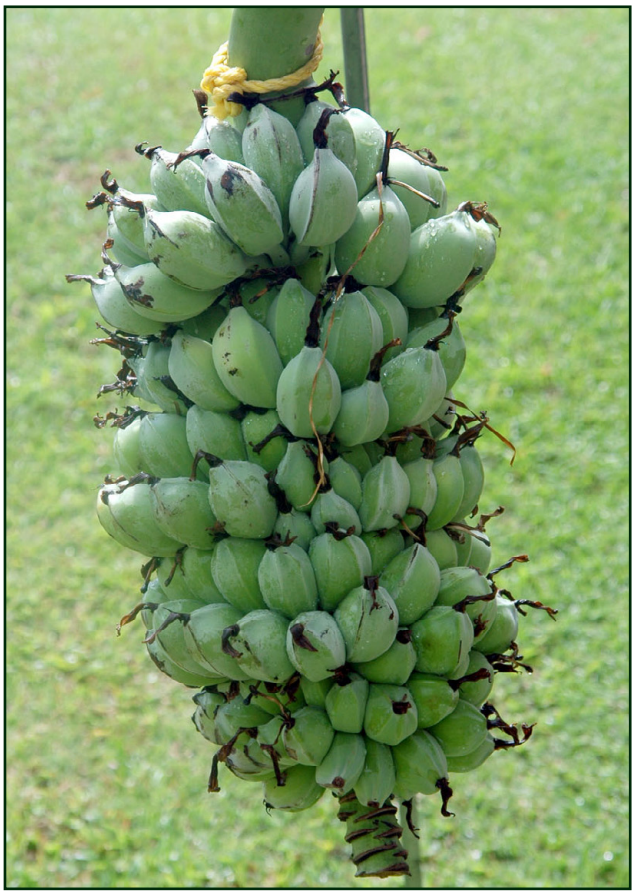
TARS 18046 - 'Tani'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Musa balbisiana (BB)

TARS 18021 - 'Unknown'



Taxonomy

Genus: *Musa*

Species/Group: *balbisiana*

Subspecies/Subgroup: Balbisiana - BB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Wild

Origin: Unknown

USDA Backup: SHRS (MIA 35217)

Donated to TARS: October 25, 2006

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Received as 'Fen Jiao'; identified as *M. balbisiana* based on genotyping and phenotype; heavily seeded.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	290	-
mMaCIR03	106	-
mMaCIR07	139	-
mMaCIR08	247	-
mMaCIR13	269	-
mMaCIR24	220	-
mMaCIR27	-	-
mMaCIR39	336	-
mMaCIR40	175	-
mMaCIR45	257	-
mMaCIR150	237	-
mMaCIR152	163	-
mMaCIR164	294	296
mMaCIR196	159	-
mMaCIR214	105	-
mMaCIR231	234	-
mMaCIR260	206	-
mMaCIR264	224	-
mMaCIR307	149	-
Ma 1-32	235	-
Ma 3-90	131	-

Agronomic

Days from plant to harvest	-
Days from flower to harvest	-
Plant diameter (cm)	-
Plant height (m)	-
Plant leaves at flowering	-
Plant leaves at harvest	-
Net bunch weight (kg)	-
Number of hands	-
Number of fruits	-
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Leaves
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	-	-
Fruit width (mm)	-	-
Fruit length (cm)	-	-

TARS 18021 - 'Unknown'

a. Pseudostem; b. Pseudostem detail; c. Inflorescence; d. Bunch and inflorescence; e. Third hand

Musa balbisiana (BB)

TARS 17129 - 'Ney Poovan'

Ney Poovan (AB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Ney Poovan - AB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: New Pavan, Neypoovan

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Only AB hybrid in the collection; genetically related to Silk clones based on SSR fingerprinting.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	236	-
mMaCIR03	100	103
mMaCIR07	145	151
mMaCIR08	245	-
mMaCIR13	251	265
mMaCIR24	220	238
mMaCIR27	217	223
mMaCIR39	315	336
mMaCIR40	160	181
mMaCIR45	257	260
mMaCIR150	237	243
mMaCIR152	141	160
mMaCIR164	278	380
mMaCIR196	145	163
mMaCIR214	100	105
mMaCIR231	224	230
mMaCIR260	192	-
mMaCIR264	224	227
mMaCIR307	143	149
Ma 1-32	221	241
Ma 3-90	131	149

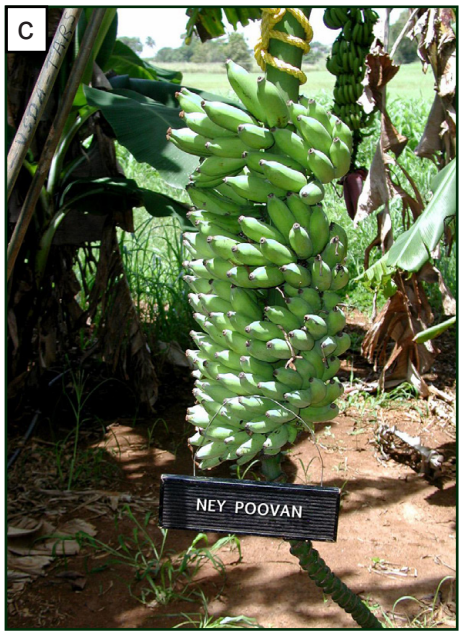
Agronomic

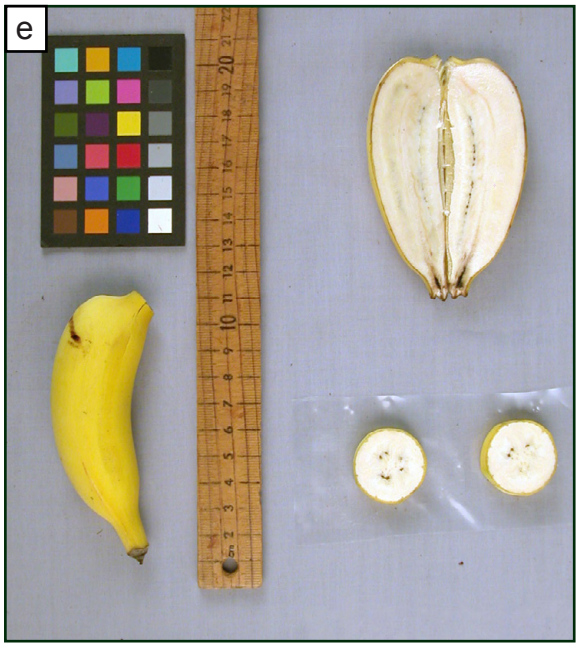
Days from plant to harvest	313
Days from flower to harvest	105
Plant diameter (cm)	14.4
Plant height (m)	3.6
Plant leaves at flowering	13.4
Plant leaves at harvest	7.9
Net bunch weight (kg)	6.9
Number of hands	9.3
Number of fruits	121.9
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	-

	Third Hand	Last Hand
Weight (kg)	1.0	0.7
Fruits per hand	14.4	14.4
Fruit width (mm)	29.4	26.0
Fruit length (cm)	11.9	9.9

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17129 - 'Ney Poovan'





a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17164 - '1-A'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: *errans*

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Advanced selection/Cultivar

Origin: Puerto Rico

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A Cavendish subgroup selection made by collaborators at the University of Puerto Rico, Corozal Experimental Station.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

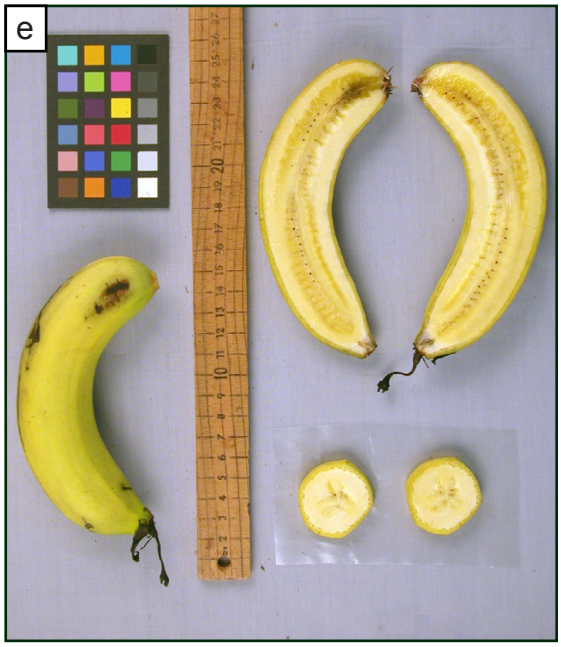
Agronomic

Days from plant to harvest	321
Days from flower to harvest	113
Plant diameter (cm)	17.0
Plant height (m)	2.7
Plant leaves at flowering	14.3
Plant leaves at harvest	8.3
Net bunch weight (kg)	22.9
Number of hands	8.5
Number of fruits	138.4
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.1	1.7
Fruits per hand	16.5	14.3
Fruit width (mm)	37.4	33.8
Fruit length	23.6	17.8

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17164 - '1-A'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Cavendish (AAA)

TARS 17125 - '2-A'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Advanced selection/Cultivar

Origin: Puerto Rico

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A Cavendish subgroup selection made by collaborators at the University of Puerto Rico, Corozal Experimental Station.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

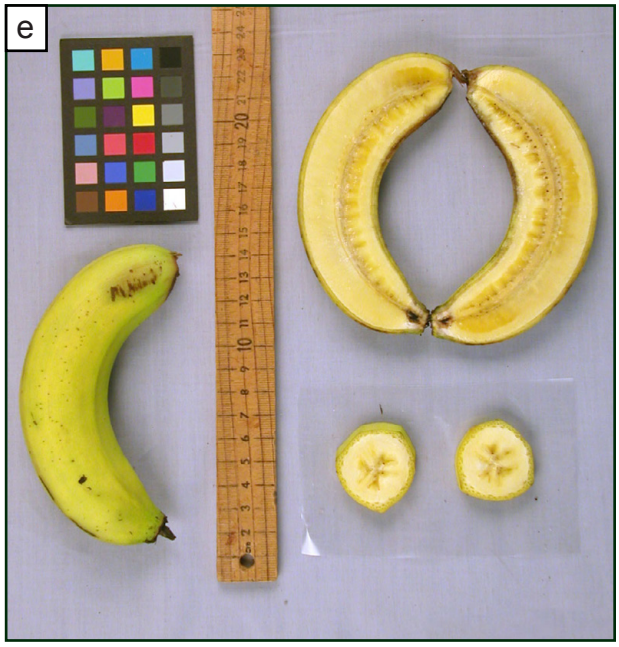
Agronomic

Days from plant to harvest	370
Days from flower to harvest	90
Plant diameter (cm)	15.4
Plant height (m)	2.5
Plant leaves at flowering	15.3
Plant leaves at harvest	9.4
Net bunch weight (kg)	25.4
Number of hands	8.8
Number of fruits	152.0
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.2	1.6
Fruits per hand	17.1	14.6
Fruit width (mm)	37.0	34.0
Fruit length	23.4	17.6

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17125 - '2-A'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Cavendish (AAA)

TARS 17154 - '3-A'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Advanced selection/Cultivar

Origin: Puerto Rico

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A Cavendish subgroup selection made by collaborators at the University of Puerto Rico, Corozal Experimental Station.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

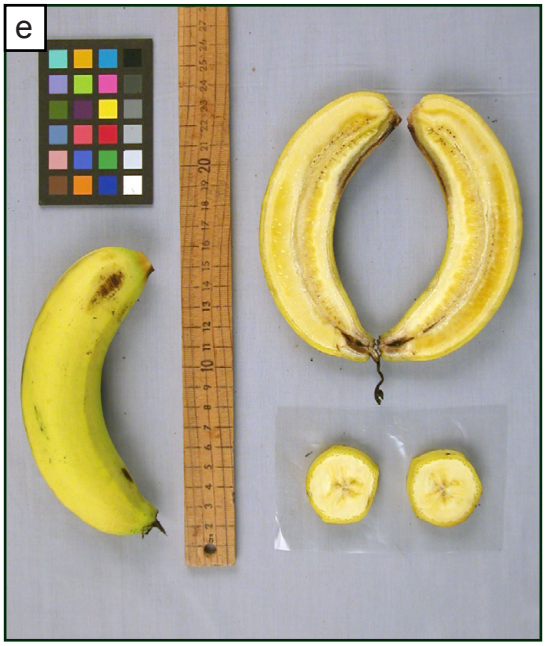
Agronomic

Days from plant to harvest	318
Days from flower to harvest	97
Plant diameter (cm)	15.9
Plant height (m)	2.4
Plant leaves at flowering	15.2
Plant leaves at harvest	8.2
Net bunch weight (kg)	25.9
Number of hands	8.7
Number of fruits	148.4
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.5	1.9
Fruits per hand	17.6	15.1
Fruit width (mm)	37.3	34.1
Fruit length	24.4	18.4

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17154 - '3-A'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Cavendish (AAA)

TARS 17135 - '5-A'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Advanced selection/Cultivar

Origin: Puerto Rico

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A Cavendish subgroup selection made by collaborators at the University of Puerto Rico, Corozal Experimental Station.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

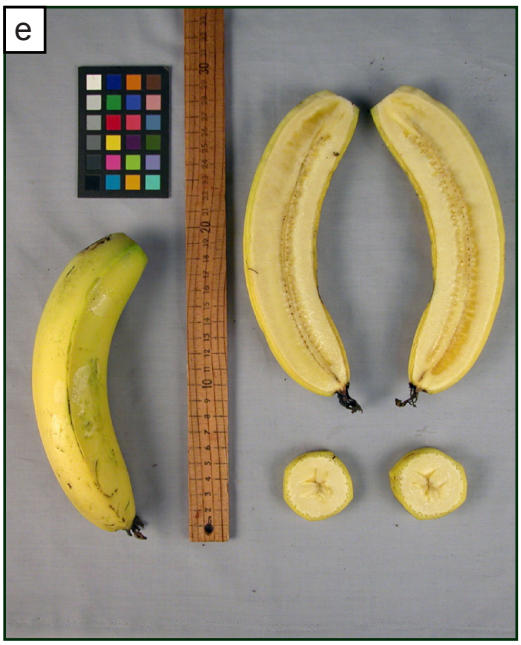
Agronomic

Days from plant to harvest	347
Days from flower to harvest	103
Plant diameter (cm)	16.1
Plant height (m)	1.8
Plant leaves at flowering	16.4
Plant leaves at harvest	9.4
Net bunch weight (kg)	18.0
Number of hands	8.1
Number of fruits	138.4
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	2.4	1.5
Fruits per hand	16.6	14.6
Fruit width (mm)	35.0	32.3
Fruit length	21.3	16.8

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17135 - '5-A'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Cavendish (AAA)

TARS 17130 - '6-A'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Advance selection/Cultivar

Origin: Puerto Rico

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A Cavendish subgroup selection made by collaborators at the University of Puerto Rico, Corozal Experimental Station.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

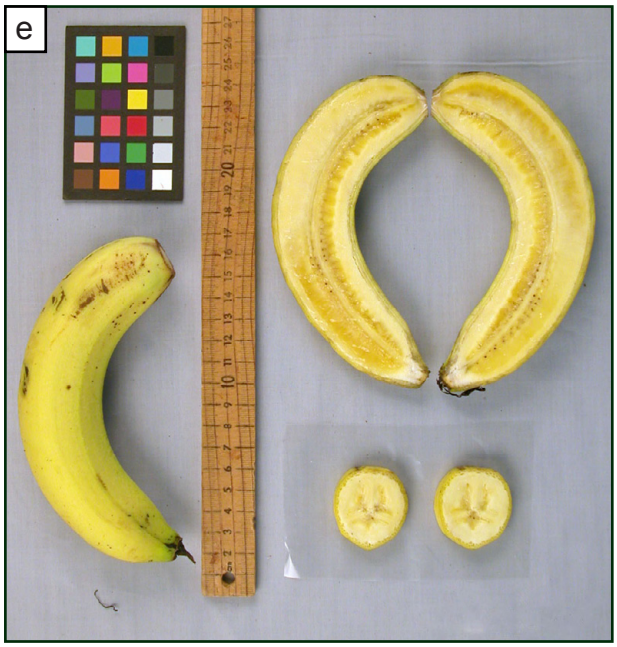
Agronomic

Days from plant to harvest	325
Days from flower to harvest	95
Plant diameter (cm)	16.9
Plant height (m)	3.1
Plant leaves at flowering	14.2
Plant leaves at harvest	8.2
Net bunch weight (kg)	24.2
Number of hands	8.3
Number of fruits	141.8
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.3	1.8
Fruits per hand	16.7	15.0
Fruit width (mm)	36.5	33.5
Fruit length	24.2	18.7

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17130 - '6-A'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Cavendish (AAA)

TARS 17159 - '8-A'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Advanced selection/Cultivar

Origin: Puerto Rico

USDA Backup: SHRS (MIA 32196); NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A Cavendish subgroup selection made by collaborators at the University of Puerto Rico, Corozal Experimental Station.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

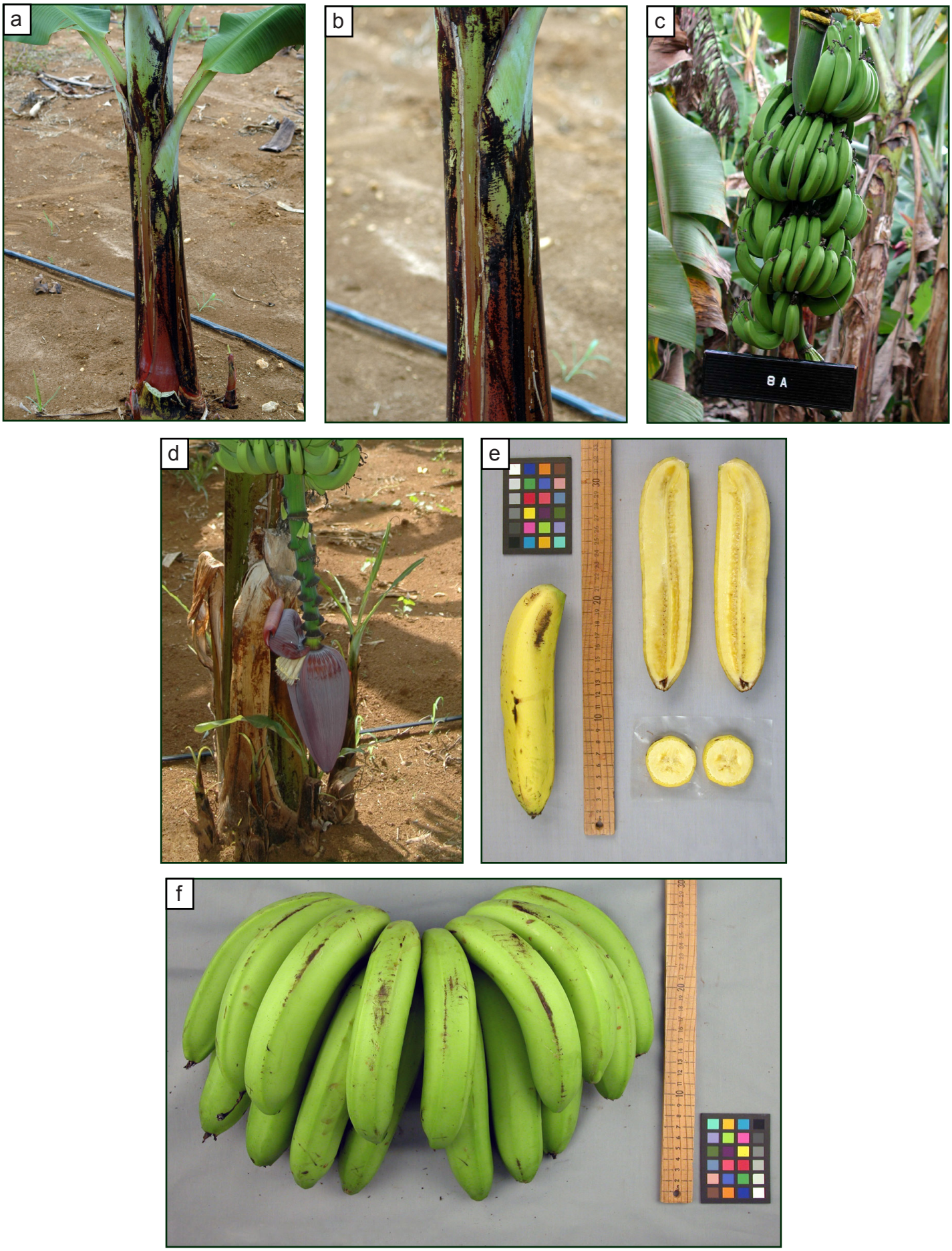
Agronomic

Days from plant to harvest	334
Days from flower to harvest	94
Plant diameter (cm)	17.5
Plant height (m)	4.0
Plant leaves at flowering	14.0
Plant leaves at harvest	7.1
Net bunch weight (kg)	24.5
Number of hands	8.5
Number of fruits	146.5
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.2	1.7
Fruits per hand	17.4	15.4
Fruit width (mm)	35.3	32.5
Fruit length	23.6	17.9

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17159 - '8-A'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 16525 - 'Dwarf Cavendish'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Many Cavendish synonyms exist

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 22219)

Donated to TARS: February 12,1992

Donors: USDA-ARS Subtropical Horticulture Station - William Krome

Curator notes: A dwarf clone of the well-known Cavendish subgroup clones; widely planted.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

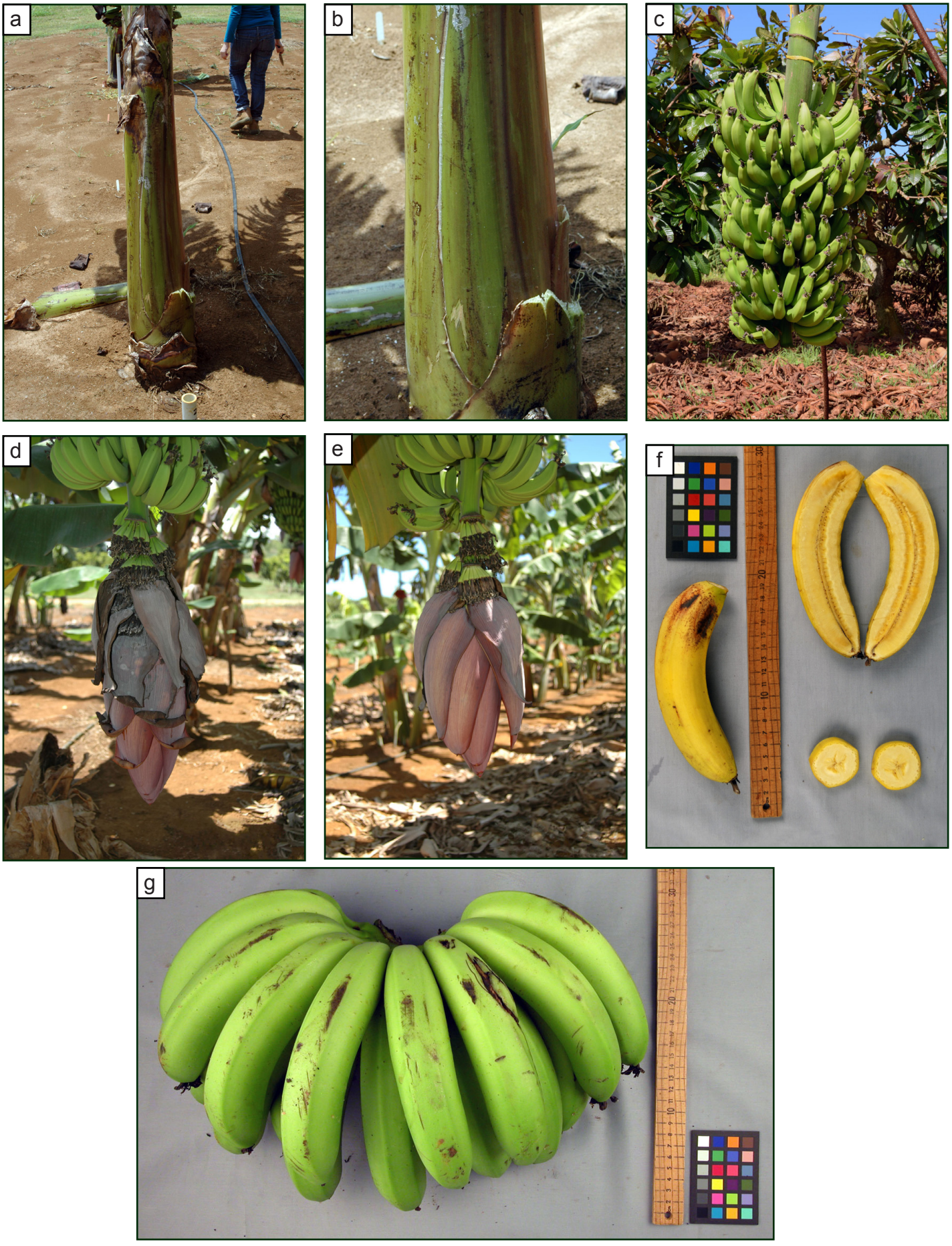
Agronomic

Days from plant to harvest	333
Days from flower to harvest	98
Plant diameter (cm)	15.7
Plant height (m)	2.0
Plant leaves at flowering	16.3
Plant leaves at harvest	9.3
Net bunch weight (kg)	25.7
Number of hands	8.9
Number of fruits	154.8
Pseudostem color	-
Propagating suckers at harvest	3
Bunch phenotype	Cavendish
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.2	1.7
Fruits per hand	17.9	14.9
Fruit width (mm)	36.9	33.1
Fruit length	23.0	17.9

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 16525 - 'Dwarf Cavendish'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

TARS 17402 - 'Dwarf Valery'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Many Cavendish synonyms exist including Valerie

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 32453)

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: A dwarf clone of 'Valery'.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

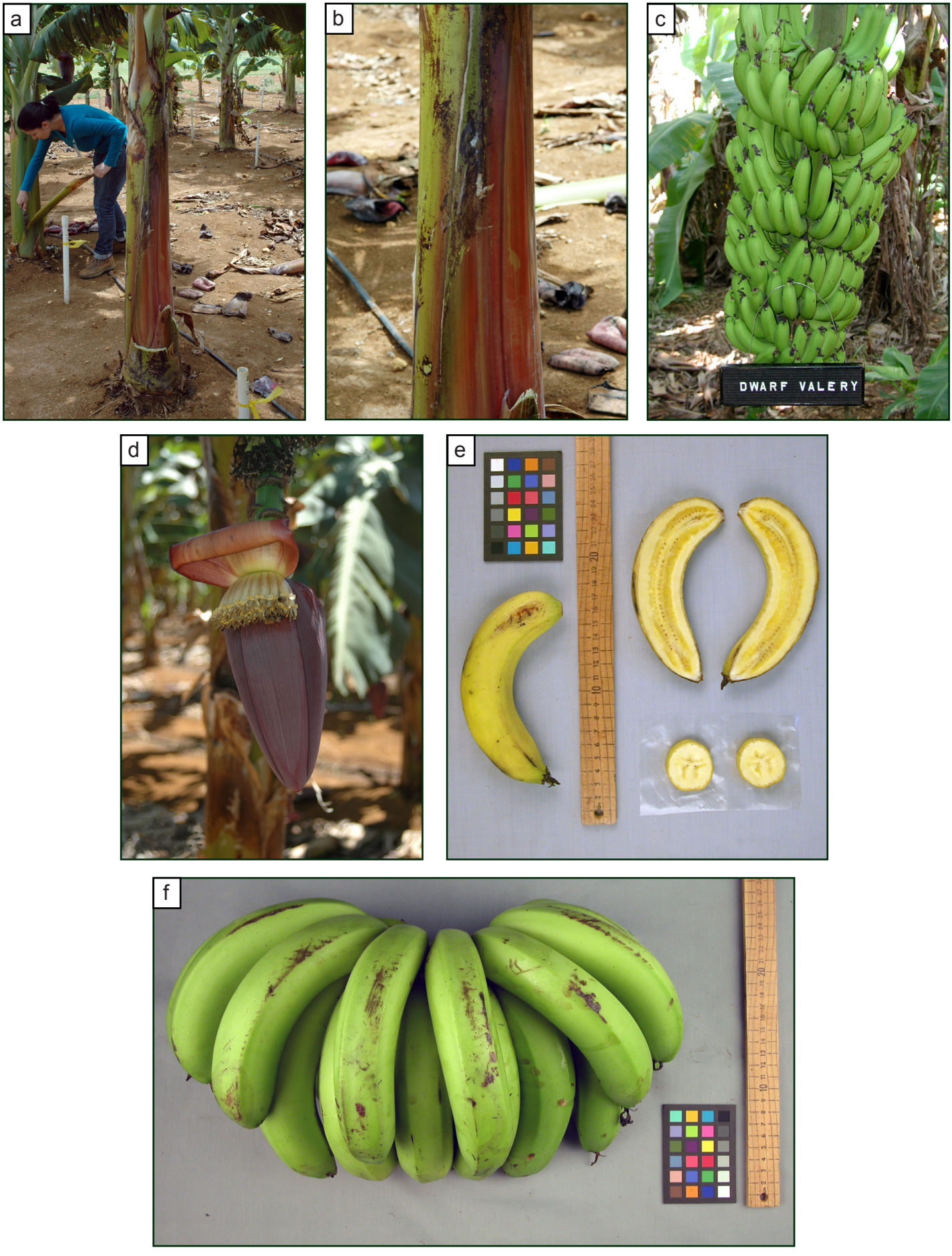
Agronomic

Days from plant to harvest	321
Days from flower to harvest	98
Plant diameter (cm)	17.0
Plant height (m)	2.8
Plant leaves at flowering	15.4
Plant leaves at harvest	8.8
Net bunch weight (kg)	28.4
Number of hands	8.8
Number of fruits	152.2
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.6	1.9
Fruits per hand	16.9	15.3
Fruit width (mm)	37.3	34.7
Fruit length	24.0	19.2

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17402 - 'Dwarf Valery'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Cavendish (AAA)

TARS 17143 - 'Enano Gigante'

Cavendish (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Grand Naine, Grande Naine

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Possibly the same clone as 'Grand Naine'; name means 'giant dwarf' when translated to English.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

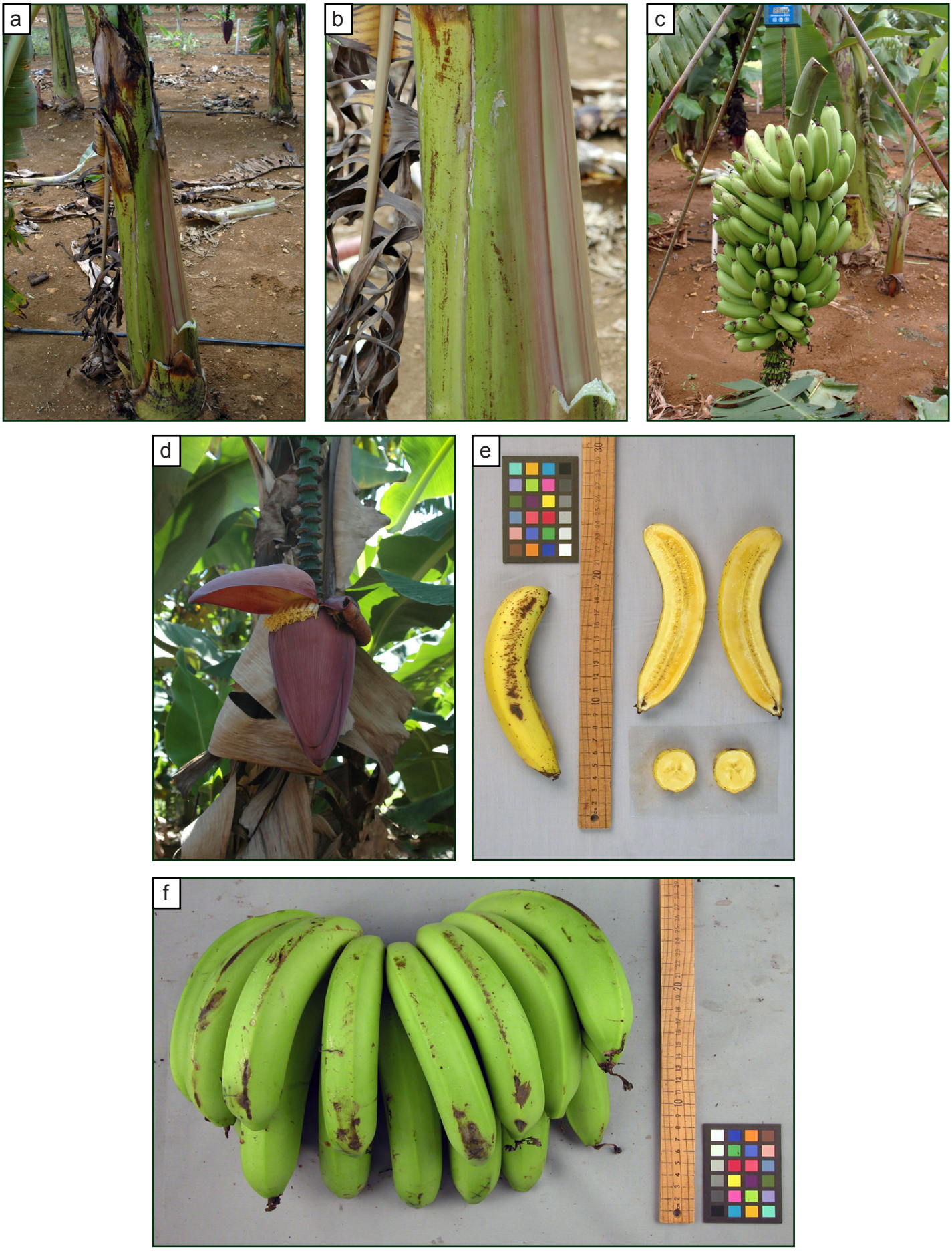
Agronomic

Days from plant to harvest	352
Days from flower to harvest	95
Plant diameter (cm)	16.4
Plant height (m)	2.7
Plant leaves at flowering	13.4
Plant leaves at harvest	8.6
Net bunch weight (kg)	26.4
Number of hands	9.1
Number of fruits	161.3
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.3	1.8
Fruits per hand	17.8	15.7
Fruit width (mm)	36.4	32.7
Fruit length	24.5	18.2

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17143 - 'Enano Gigante'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17162 - 'Giant Cavendish'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Many Cavendish synonyms exist

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Well-known Cavendish subgroup clone; widely planted.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

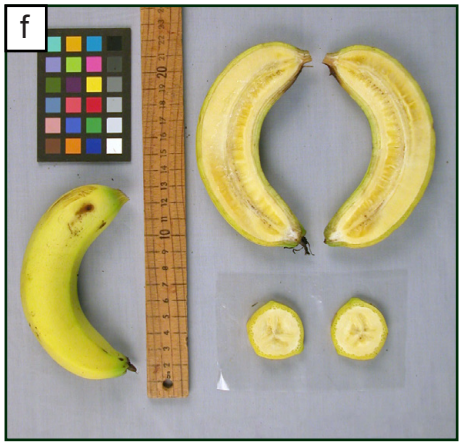
Agronomic

Days from plant to harvest	342
Days from flower to harvest	94
Plant diameter (cm)	17.0
Plant height (m)	2.7
Plant leaves at flowering	14.3
Plant leaves at harvest	9.2
Net bunch weight (kg)	26.2
Number of hands	9.3
Number of fruits	157.7
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.3	1.6
Fruits per hand	17.2	15.2
Fruit width (mm)	36.3	32.9
Fruit length	24.0	17.9

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17162 - 'Giant Cavendish'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Cavendish (AAA)

TARS 17163 - 'Giant Governor'

Cavendish (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Many Cavendish synonyms exist

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A well-known Cavendish clone.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

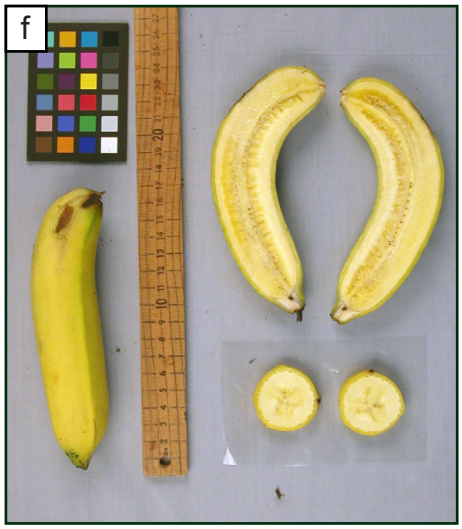
Agronomic

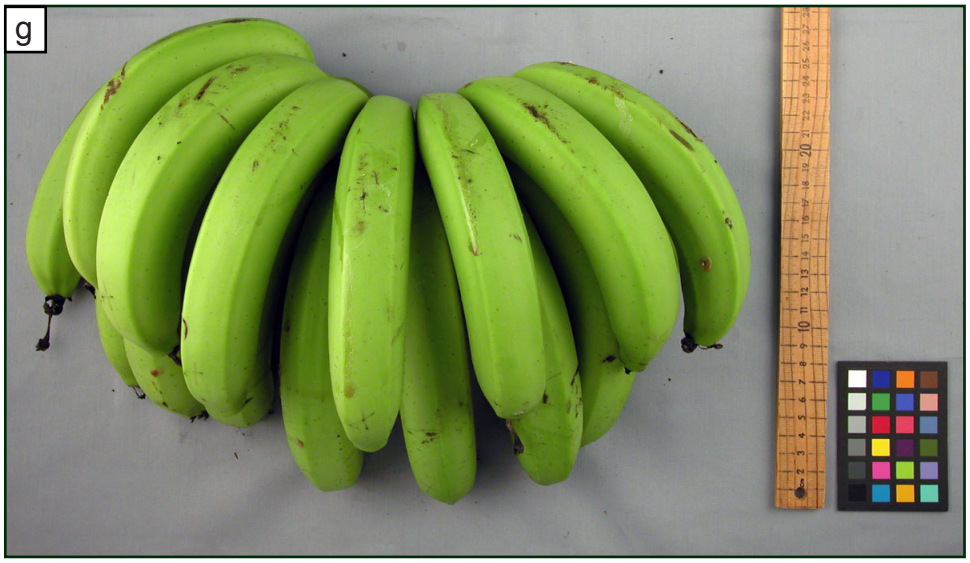
Days from plant to harvest	380
Days from flower to harvest	95
Plant diameter (cm)	17.3
Plant height (m)	2.7
Plant leaves at flowering	15.1
Plant leaves at harvest	9.1
Net bunch weight (kg)	26.5
Number of hands	9.1
Number of fruits	151.6
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.4	1.6
Fruits per hand	17.1	14.7
Fruit width (mm)	37.7	33.9
Fruit length	23.5	17.5

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17163 - 'Giant Governor'





a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Cavendish (AAA)

TARS 17168 - 'Grande Naine'

Cavendish (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Grand Nain, Enano Gigante

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A dwarf clone of the well-known Cavendish subgroup; one of the most widely planted Cavendish cultivars; name means 'giant dwarf' in English.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

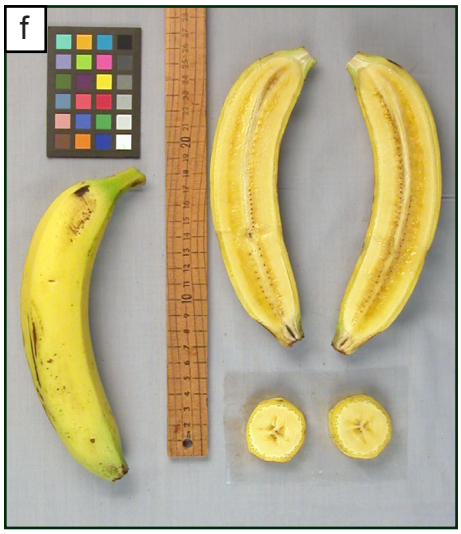
Agronomic

Days from plant to harvest	304
Days from flower to harvest	96
Plant diameter (cm)	16.1
Plant height (m)	2.3
Plant leaves at flowering	13.8
Plant leaves at harvest	7.7
Net bunch weight (kg)	24.4
Number of hands	8.6
Number of fruits	141.8
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.1	1.7
Fruits per hand	16.5	14.2
Fruit width (mm)	36.4	33.7
Fruit length	23.5	18.2

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17168 - 'Grande Naine'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

TARS 17177 - 'Guineo Doble'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Mahoe

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: February 12, 1992

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: A dwarf clone in the Cavendish subgroup; stable mutant that produces multiple inflorescences and bunches at the same time.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

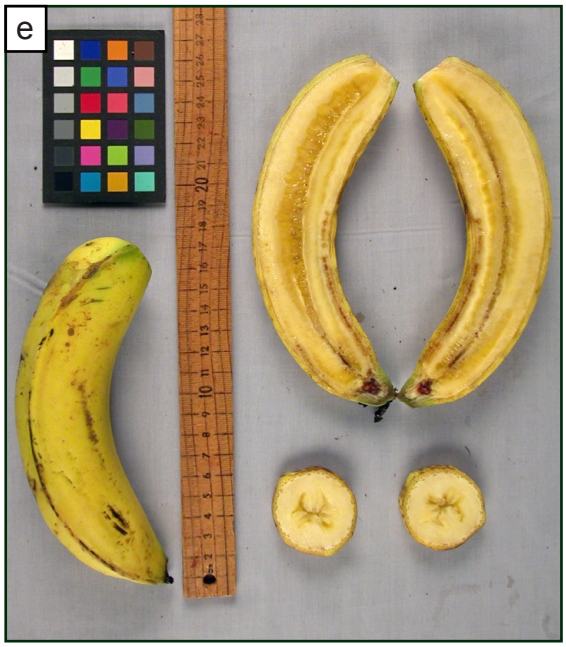
Agronomic

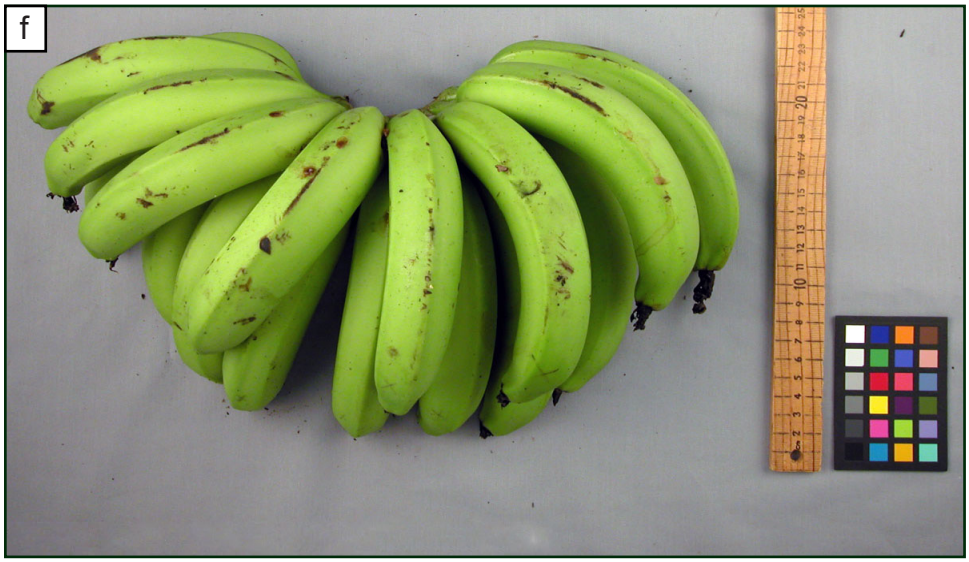
Days from plant to harvest	388
Days from flower to harvest	119
Plant diameter (cm)	15.7
Plant height (m)	1.8
Plant leaves at flowering	15.6
Plant leaves at harvest	8.2
Net bunch weight (kg)	18.0
Number of hands	9.2
Number of fruits	149.8
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	2.1	1.2
Fruits per hand	16.3	14.5
Fruit width (mm)	32.1	29.8
Fruit length	19.9	15.3

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17177 - 'Guineo Doble'





a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Cavendish (AAA)

TARS 17426 - 'Guineo Enano'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Guineo Enano - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Petite Naine

Status: Cultivar

Origin: Unknown

USDA Backup: MIA 32193

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Shortest Cavendish subgroup clone.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

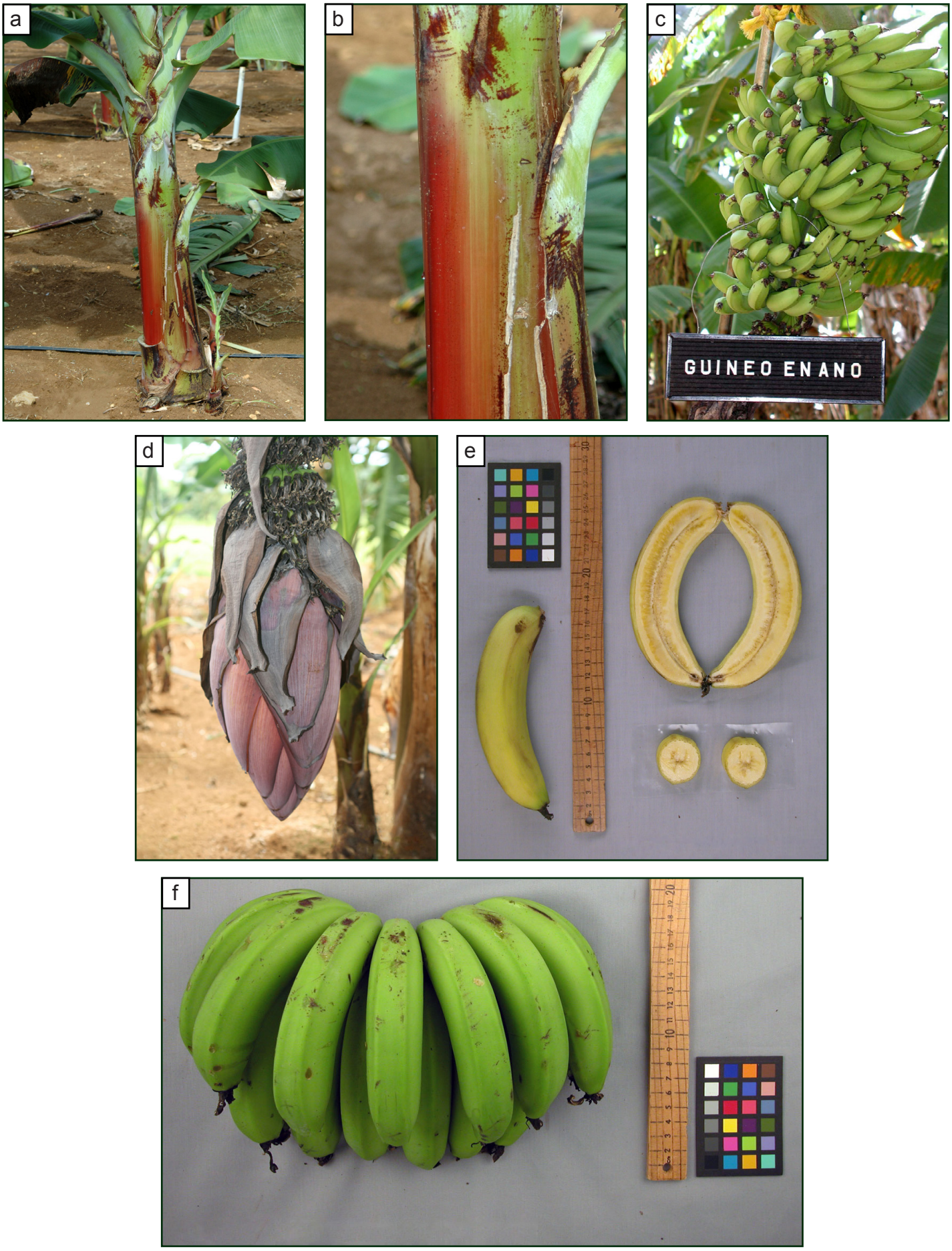
Agronomic

Days from plant to harvest	363
Days from flower to harvest	107
Plant diameter (cm)	14.8
Plant height (m)	1.6
Plant leaves at flowering	14.8
Plant leaves at harvest	8.7
Net bunch weight (kg)	12.8
Number of hands	7.2
Number of fruits	118
Pseudostem color	Green/Red
Propagating suckers at harvest	5
Bunch phenotype	Cavendish
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	1.9	1.2
Fruits per hand	15.9	14.3
Fruit width (mm)	32.3	30.0
Fruit length	19.6	16.6

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17426 - 'Guineo Enano'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18061 - 'Johnson'

Cavendish (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Many Cavendish synonyms exist

Status: Cultivar

Origin: Adjuntas, Puerto Rico

USDA Backup: None

Donated to TARS: September, 2006

Donors: Dr. Ricardo Goenaga, USDA-ARS TARS

Curator notes: A well-known Cavendish clone.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	215	227	228
Ma 3-90	129	142	149

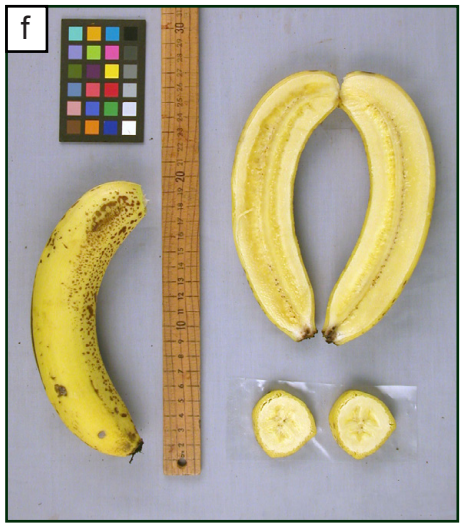
Agronomic

Days from plant to harvest	349
Days from flower to harvest	119
Plant diameter (cm)	16.7
Plant height (m)	2
Plant leaves at flowering	12.3
Plant leaves at harvest	7.8
Net bunch weight (kg)	32.91
Number of hands	11
Number of fruits	185
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	18.5	14.5
Fruit width (mm)	4	3.8
Fruit length	19.1	16

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18061 - 'Johnson'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Cavendish (AAA)

TARS 17172 - 'Mahoe'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Guineo Doble

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: February 12, 1991

Donors: Dr. Pabón (local grower)

Curator notes: Mahoe produces multiple inflorescences/ bunches at flowering (just like 'Guineo Doble' = double banana)

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

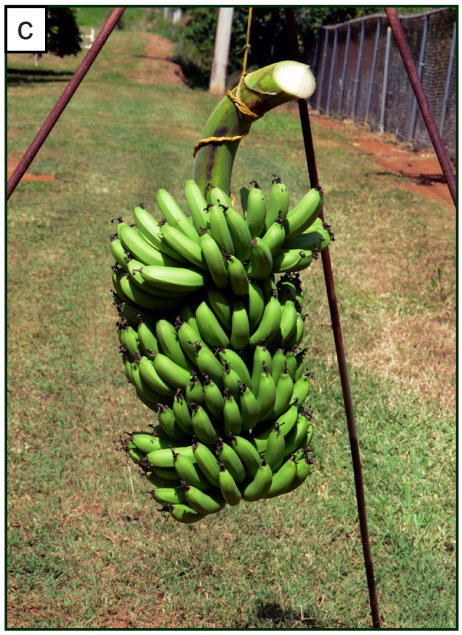
Agronomic

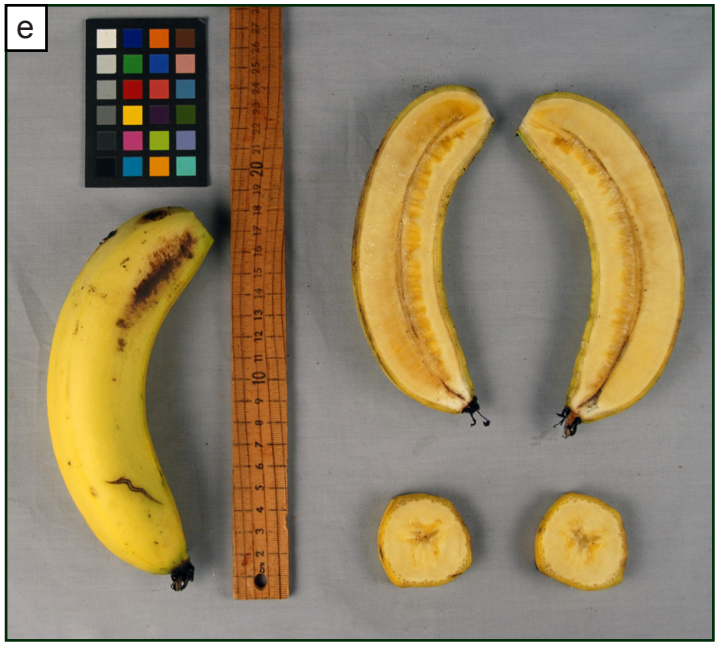
Days from plant to harvest	367
Days from flower to harvest	102
Plant diameter (cm)	17.0
Plant height (m)	1.8
Plant leaves at flowering	16.1
Plant leaves at harvest	5.2
Net bunch weight (kg)	16.6
Number of hands	9.8
Number of fruits	153.9
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	1.9	1.1
Fruits per hand	16.1	14.7
Fruit width (mm)	31.8	29.5
Fruit length	19.6	15.1

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17172 - 'Mahoe'





a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Cavendish (AAA)

TARS 17417 - 'Montecristo'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Many Cavendish synonyms exist

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 32198)

Donated to TARS: August 6, 1992

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: A well-known Cavendish clone.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

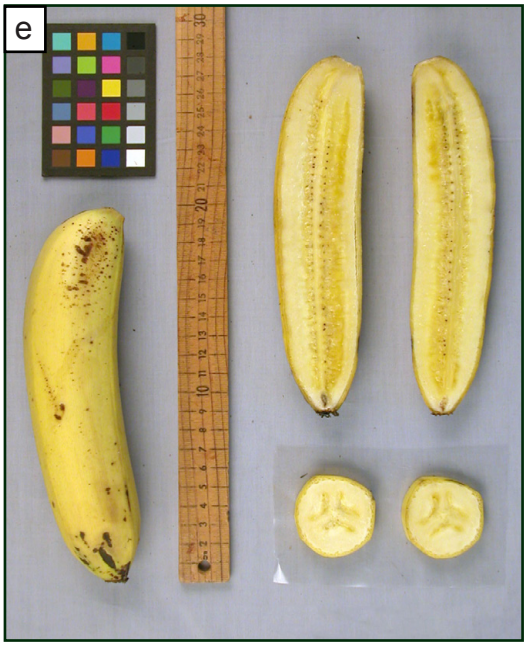
Agronomic

Days from plant to harvest	394
Days from flower to harvest	99
Plant diameter (cm)	18.2
Plant height (m)	4.2
Plant leaves at flowering	13.7
Plant leaves at harvest	6.0
Net bunch weight (kg)	26.9
Number of hands	8.1
Number of fruits	138.2
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.5	2.0
Fruits per hand	16.5	15.3
Fruit width (mm)	37.5	35.0
Fruit length	24.7	18.8

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17417 - 'Montecristo'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Cavendish (AAA)

TARS 17428 - 'Montecristo Enano'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Many Cavendish synonyms exist

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 32184)

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: A well-known Cavendish clone; shorter selection of the 'Montecristo' accession.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

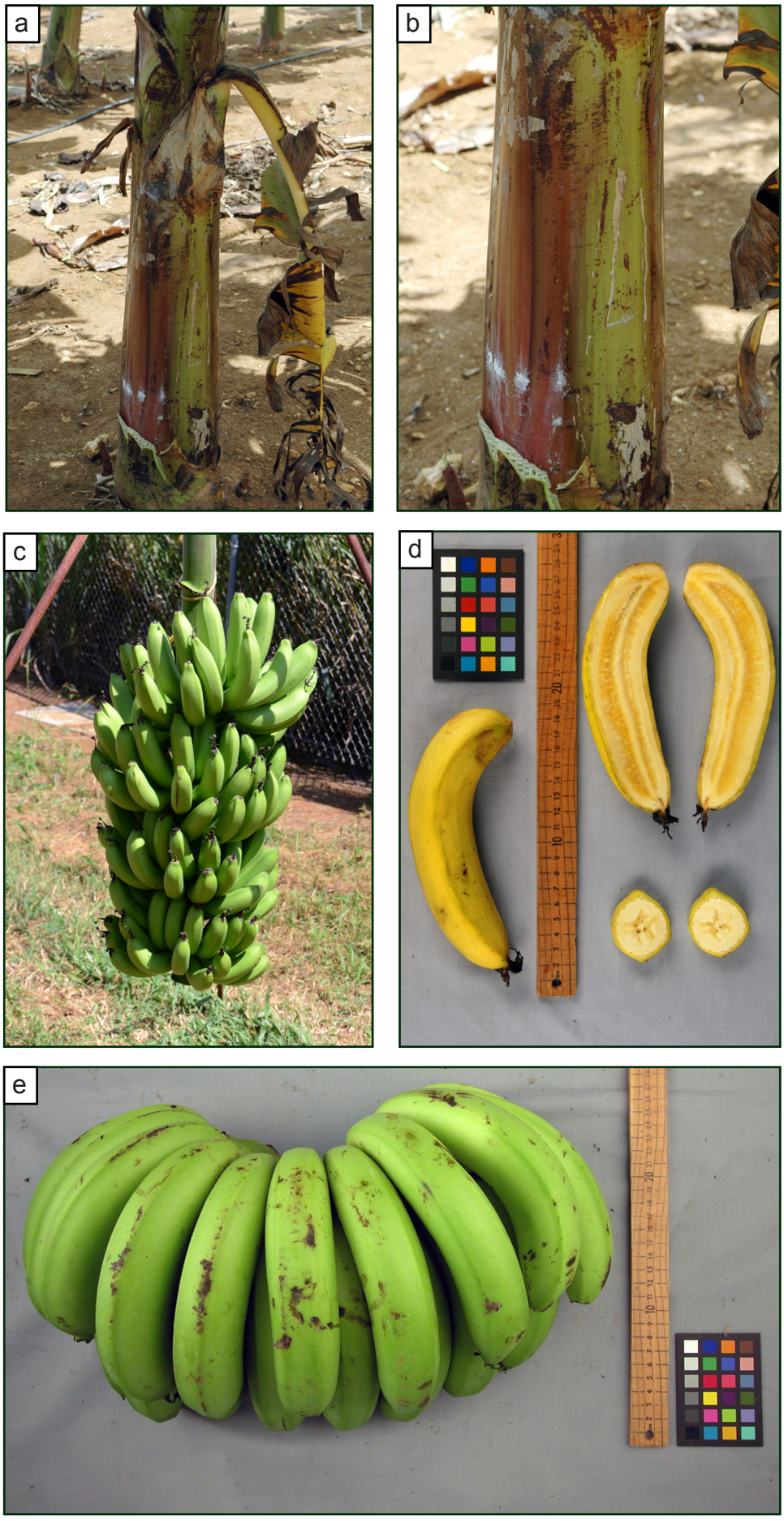
Agronomic

Days from plant to harvest	317
Days from flower to harvest	90
Plant diameter (cm)	17.9
Plant height (m)	2.7
Plant leaves at flowering	15.8
Plant leaves at harvest	9.6
Net bunch weight (kg)	27.5
Number of hands	9.4
Number of fruits	164.8
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.5	1.7
Fruits per hand	17.8	14.9
Fruit width (mm)	36.3	33.0
Fruit length	24.6	18.4

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17428 - 'Montecristo Enano'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Ripe fruit; e. Third hand

TARS 17385 - 'Sc 2T'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Advanced selection/Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Unknown origin; appears to be a tall Cavendish clone.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

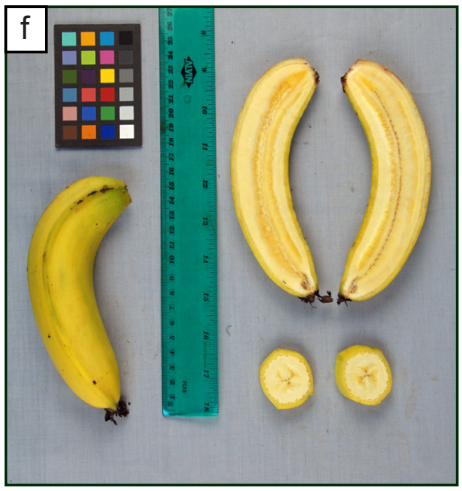
Agronomic

Days from plant to harvest	337
Days from flower to harvest	105
Plant diameter (cm)	13.5
Plant height (m)	2.4
Plant leaves at flowering	12.8
Plant leaves at harvest	6.3
Net bunch weight (kg)	13.4
Number of hands	8.0
Number of fruits	119.5
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	1.9	1.0
Fruits per hand	15.1	13.0
Fruit width (mm)	31.7	29.5
Fruit length	20.4	15.8

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17385 - 'Sc 2T'



a. Pseudostem; b. Pseudostem detail; c. and d. Bunch; e. Inflorescence; f. Ripe fruit; g. Third hand

Cavendish (AAA)

TARS 17395 - 'Taiwanese somaclone'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish/Somaclone - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Somaclonal selection

Status: Cultivar

Origin: Taiwan

USDA Backup: SHRS (MIA 32470)

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: A Cavendish subgroup somaclonal selection.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

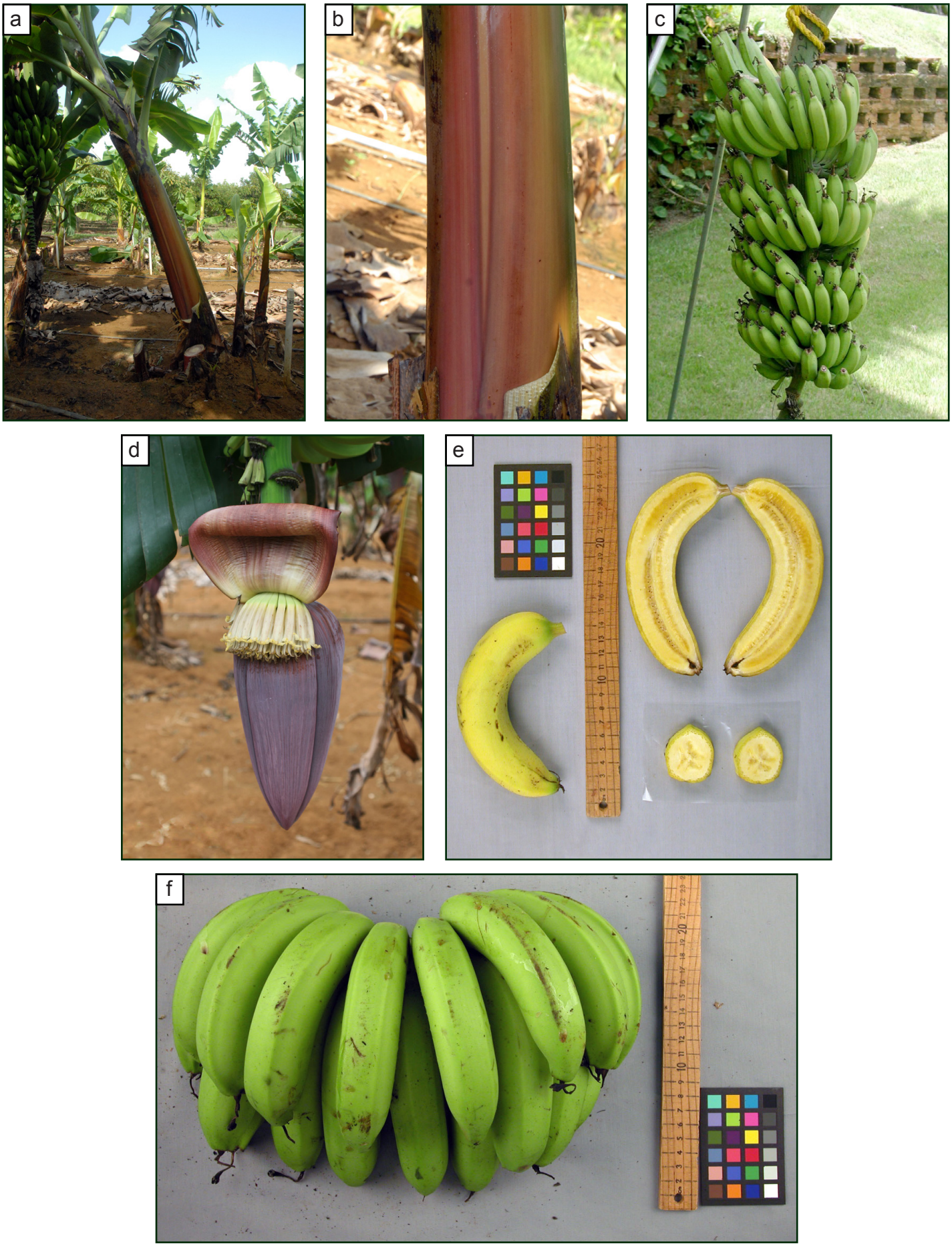
Agronomic

Days from plant to harvest	374
Days from flower to harvest	102
Plant diameter (cm)	19.9
Plant height (m)	3.2
Plant leaves at flowering	13.4
Plant leaves at harvest	5.4
Net bunch weight (kg)	21.5
Number of hands	11.4
Number of fruits	185.8
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	2.4	1.0
Fruits per hand	17.6	14.7
Fruit width (mm)	33.7	29.8
Fruit length	19.4	13.1

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17395 - 'Taiwanese somaclone'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17158 - 'Valery'

Cavendish (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Valerie

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A well known Cavendish clone.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

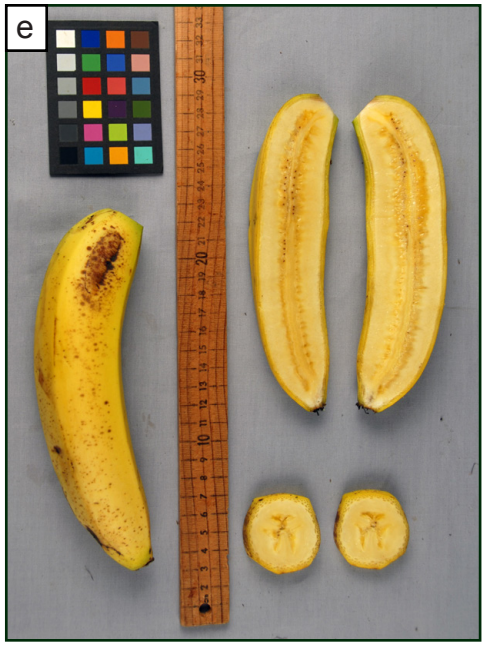
Agronomic

Days from plant to harvest	334
Days from flower to harvest	128
Plant diameter (cm)	15.2
Plant height (m)	2.3
Plant leaves at flowering	13.4
Plant leaves at harvest	7.9
Net bunch weight (kg)	20.6
Number of hands	8.1
Number of fruits	128.4
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	2.9	2.3
Fruits per hand	15.9	13.9
Fruit width (mm)	35.9	33.5
Fruit length	23.7	18.3

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17158 - 'Valery'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Cavendish (AAA)

TARS 17423 - 'Volunteer *Musa*'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Volunteer selection

Origin: Unknown

USDA Backup: SHRS (MIA 36222); NCGRP

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Local selection made at the SHRS from a volunteer plant.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

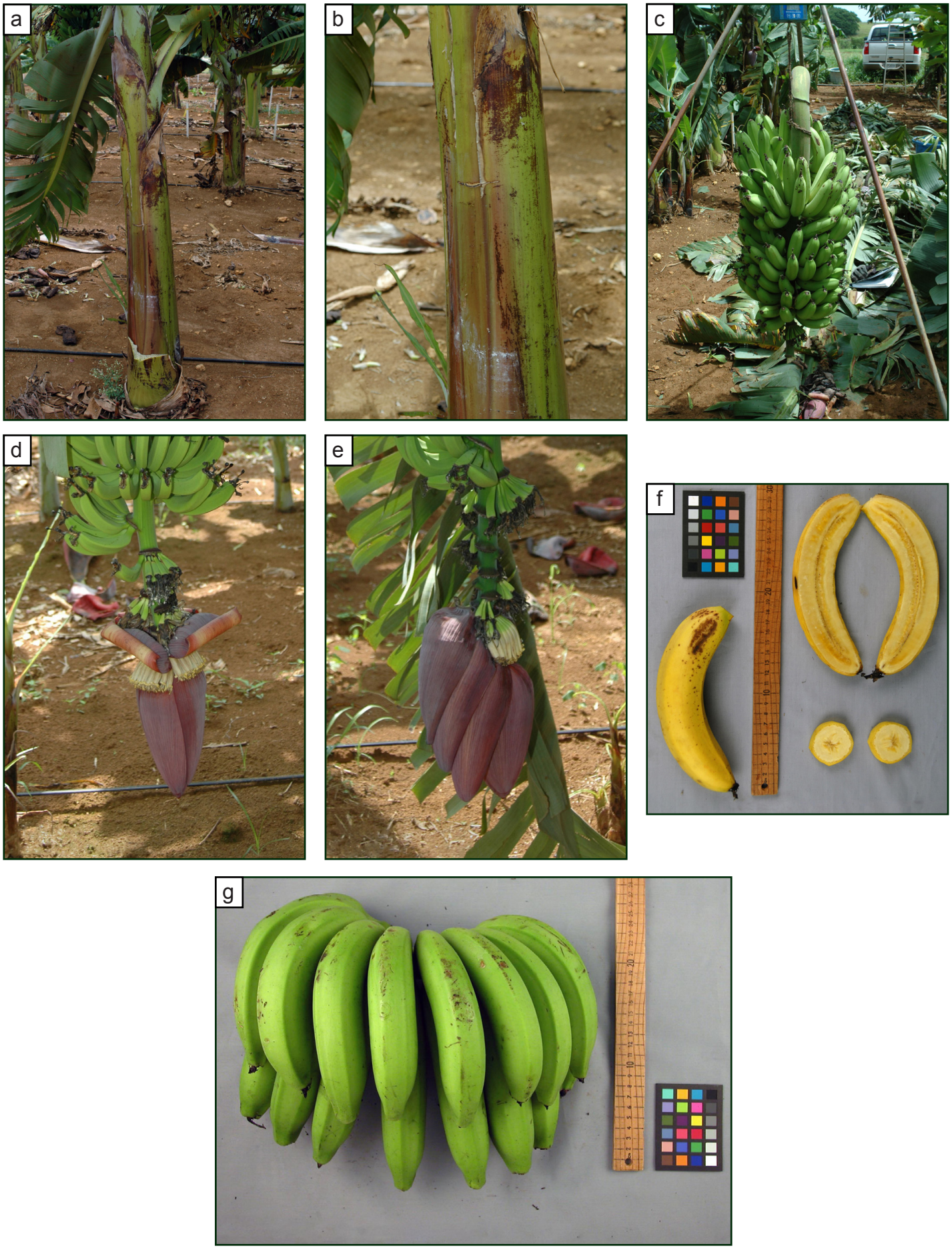
Agronomic

Days from plant to harvest	346
Days from flower to harvest	92
Plant diameter (cm)	19.2
Plant height (m)	3.8
Plant leaves at flowering	14.4
Plant leaves at harvest	6.9
Net bunch weight (kg)	19.4
Number of hands	7.7
Number of fruits	119.2
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	2.8	2.0
Fruits per hand	14.5	13.9
Fruit width (mm)	38.8	35.6
Fruit length	22.0	17.5

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17423- 'Volunteer *Musa*'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Cavendish (AAA)

TARS 17414 - 'Williams'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Many Cavendish synonyms exist

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 32454); NCGRP

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: A well known Cavendish clone.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

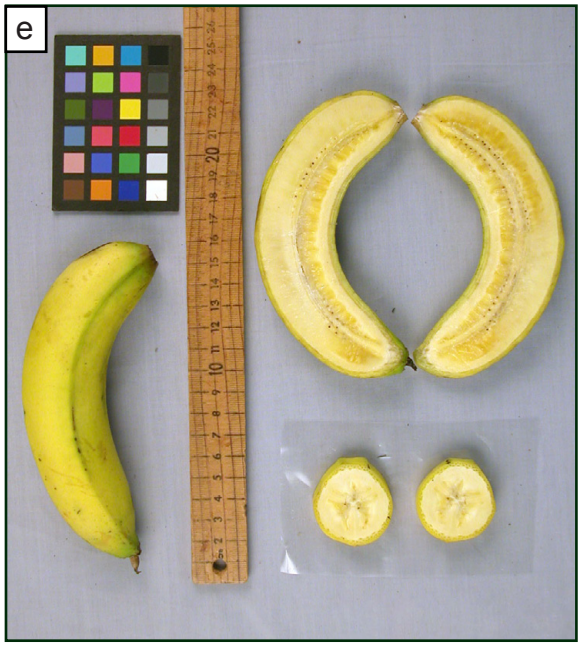
Agronomic

Days from plant to harvest	326
Days from flower to harvest	101
Plant diameter (cm)	15.9
Plant height (m)	2.7
Plant leaves at flowering	16.1
Plant leaves at harvest	9.1
Net bunch weight (kg)	22.3
Number of hands	8.6
Number of fruits	141.9
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	3.0	1.5
Fruits per hand	16.6	14.6
Fruit width (mm)	36.3	32.6
Fruit length	23.6	17.5

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17414 - 'Williams'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Cavendish (AAA)

TARS 17169 - 'Ziv'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Cavendish - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Many Cavendish synonyms exist

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A well-known Cavendish clone.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	246
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	272
mMaCIR24	218	228	234
mMaCIR27	217	225	227
mMaCIR39	311	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	-	-
mMaCIR164	378	387	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	224	232	258
mMaCIR260	190	192	-
mMaCIR264	232	241	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	142	149

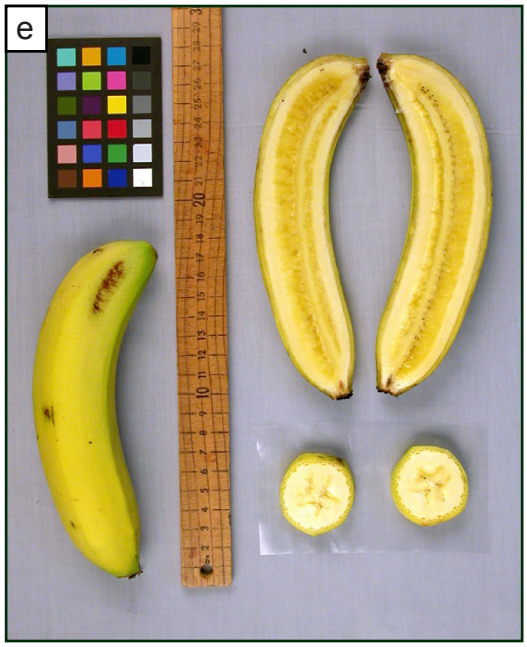
Agronomic

Days from plant to harvest	358
Days from flower to harvest	103
Plant diameter (cm)	17.1
Plant height (m)	3.0
Plant leaves at flowering	13.4
Plant leaves at harvest	6.6
Net bunch weight (kg)	17.2
Number of hands	8.4
Number of fruits	132.0
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Very susceptible

	Third Hand	Last Hand
Weight (kg)	2.2	1.3
Fruits per hand	15.4	14.2
Fruit width (mm)	33.7	30.9
Fruit length	21.4	16.0

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17169 - 'Ziv'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Cavendish (AAA)

TARS 17131 - '2-R-2, 500'

Gros Michel (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Gros Michel - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Advanced selection/Cultivar

Origin: Puerto Rico

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A Gros Michel subgroup selection made by collaborators at the University of Puerto Rico, Corozal Experimental Station.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	252
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	-
mMaCIR24	228	234	-
mMaCIR27	223	225	227
mMaCIR39	309	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	145	-
mMaCIR164	378	387	-
mMaCIR196	145	158	162
mMaCIR214	100	103	-
mMaCIR231	224	234	258
mMaCIR260	190	192	-
mMaCIR264	241	249	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	149	-

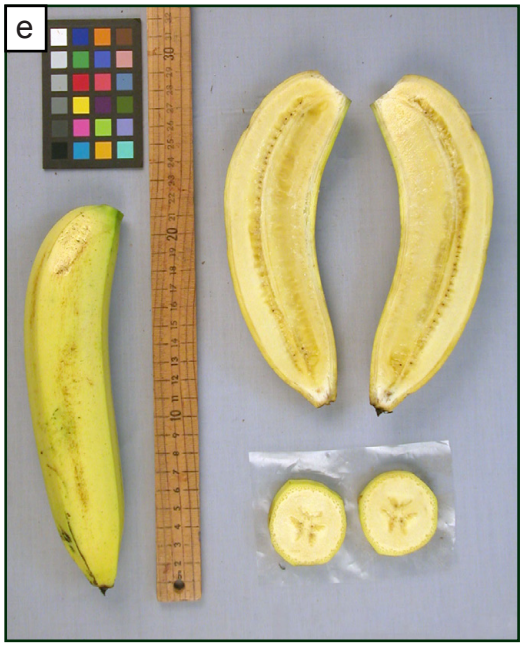
Agronomic

Days from plant to harvest	390
Days from flower to harvest	94
Plant diameter (cm)	21.2
Plant height (m)	4.5
Plant leaves at flowering	11.9
Plant leaves at harvest	3.5
Net bunch weight (kg)	18.2
Number of hands	7.9
Number of fruits	127.3
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	2.5	1.5
Fruits per hand	16.8	14.7
Fruit width (mm)	34.2	31.4
Fruit length	21.2	17.0

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17131 - '2-R-2, 500'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Gros Michel (AAA)

TARS 17141 - '3-R-2, 500'

Gros Michel (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Gros Michel - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Advanced selection/Cultivar

Origin: Puerto Rico

USDA Backup: SHRS (MIA 36210); NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A Gros Michel subgroup selection made by collaborators at the University of Puerto Rico, Corozal Experimental Station.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	252
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	-
mMaCIR24	228	234	-
mMaCIR27	223	225	227
mMaCIR39	309	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	145	-
mMaCIR164	378	387	-
mMaCIR196	145	158	162
mMaCIR214	100	103	-
mMaCIR231	224	234	258
mMaCIR260	190	192	-
mMaCIR264	241	249	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	149	-

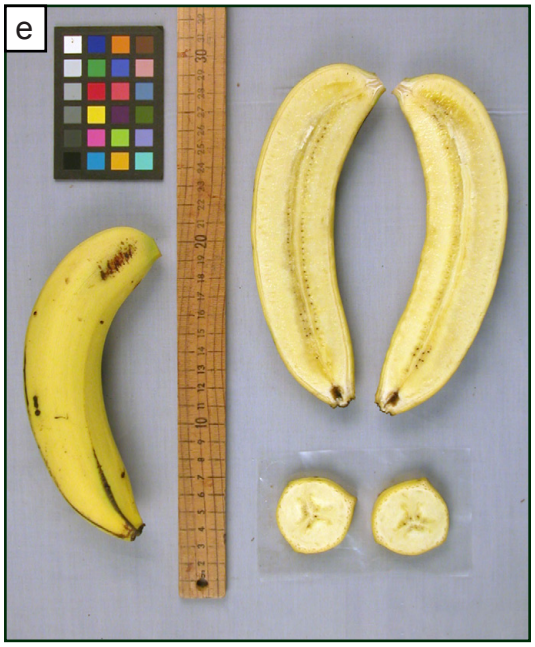
Agronomic

Days from plant to harvest	394
Days from flower to harvest	92
Plant diameter (cm)	22.1
Plant height (m)	4.8
Plant leaves at flowering	11.6
Plant leaves at harvest	4.9
Net bunch weight (kg)	18.7
Number of hands	8.4
Number of fruits	131.0
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	2.5	1.5
Fruits per hand	16.0	14.7
Fruit width (mm)	35.0	31.6
Fruit length	21.2	16.8

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17141 - '3-R-2, 500'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Gros Michel (AAA)

TARS 17151 - '4-R-2, 500'

Gros Michel (AAA)

Taxonomy

Genus: *Musa*

Species: *acuminata*

Subspecies: Gros Michel - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Advanced selection/Cultivar

Origin: Puerto Rico

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A Gros Michel subgroup selection made by collaborators at the University of Puerto Rico, Corozal Experimental Station.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	252
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	-
mMaCIR24	228	234	-
mMaCIR27	223	225	227
mMaCIR39	309	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	145	-
mMaCIR164	378	387	-
mMaCIR196	145	158	162
mMaCIR214	100	103	-
mMaCIR231	224	234	258
mMaCIR260	190	192	-
mMaCIR264	241	249	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	149	-

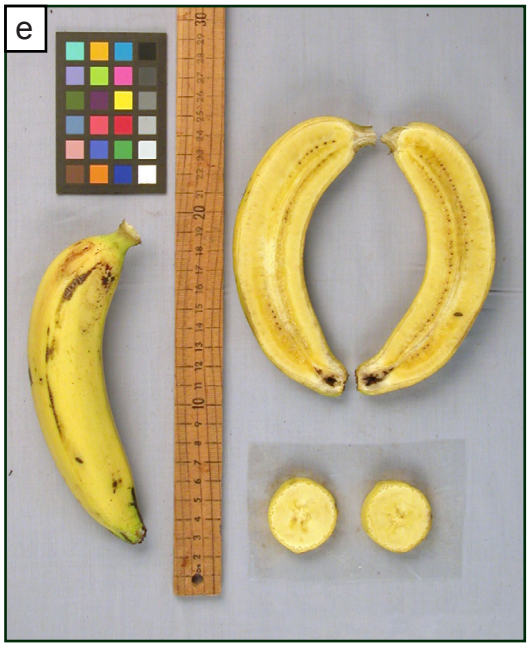
Agronomic

Days from plant to harvest	372
Days from flower to harvest	93
Plant diameter (cm)	20.8
Plant height (m)	4.4
Plant leaves at flowering	12.1
Plant leaves at harvest	1.8
Net bunch weight (kg)	16.4
Number of hands	9.9
Number of fruits	157.7
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	1.8	1.1
Fruits per hand	17.2	15.6
Fruit width (mm)	30.3	27.9
Fruit length	18.6	14.4

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17151 - '4-R-2, 500'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Gros Michel (AAA)

TARS 17152 - '10-A'

Gros Michel (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Gros Michel - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Advanced selection/Cultivar

Origin: Puerto Rico

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: A Gros Michel subgroup selection made by collaborators at the University of Puerto Rico, Corozal Experimental Station.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	252
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	-
mMaCIR24	228	234	-
mMaCIR27	223	225	227
mMaCIR39	309	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	145	-
mMaCIR164	378	387	-
mMaCIR196	145	158	162
mMaCIR214	100	103	-
mMaCIR231	224	234	258
mMaCIR260	190	192	-
mMaCIR264	241	249	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	149	-

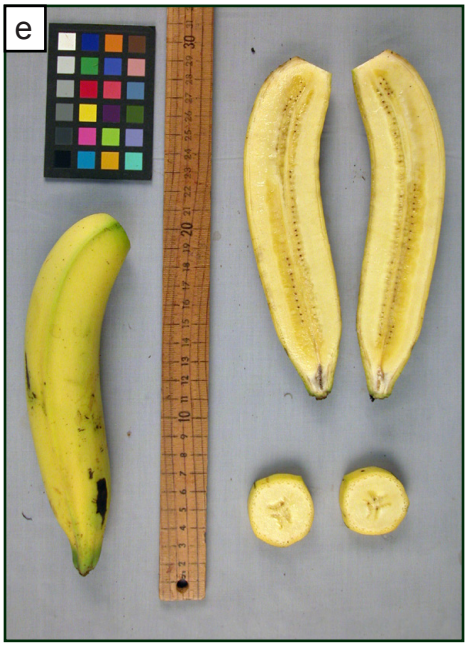
Agronomic

Days from plant to harvest	390
Days from flower to harvest	95
Plant diameter (cm)	22.9
Plant height (m)	4.9
Plant leaves at flowering	10.5
Plant leaves at harvest	3.8
Net bunch weight (kg)	20.1
Number of hands	8.7
Number of fruits	144.5
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	2.7	1.6
Fruits per hand	17.2	14.9
Fruit width (mm)	34.4	31.2
Fruit length	21.3	17.1

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17152 - '10-A'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; g. Third hand

Gros Michel (AAA)

TARS 17175 - 'Gigante Blanco'

Gros Michel (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Gros Michel - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Several Gros Michel synonyms exist

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: February, 1991

Donors: Dr. Pabón (local grower)

Curator notes: Name means Giant White in English and refers to the pseudostem color which is whitish.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	252
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	-
mMaCIR24	228	234	-
mMaCIR27	223	225	227
mMaCIR39	309	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	145	-
mMaCIR164	378	387	-
mMaCIR196	145	158	162
mMaCIR214	100	103	-
mMaCIR231	224	234	258
mMaCIR260	190	192	-
mMaCIR264	241	249	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	149	-

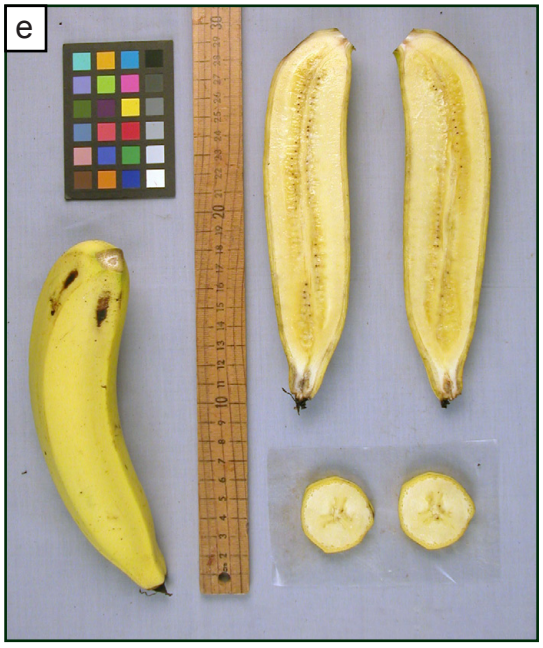
Agronomic

Days from plant to harvest	377
Days from flower to harvest	91
Plant diameter (cm)	22.3
Plant height (m)	4.5
Plant leaves at flowering	12.4
Plant leaves at harvest	3.7
Net bunch weight (kg)	20.1
Number of hands	9.3
Number of fruits	143.3
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	2.5	1.6
Fruits per hand	16.8	15.4
Fruit width (mm)	33.8	31.5
Fruit length	21.4	17.3

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17175 - 'Gigante Blanco'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Gros Michel (AAA)

TARS 17155 - 'Gros Michel'

Gros Michel (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Gros Michel - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Several Gros Michel synonyms exist including Big Mike

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Gros Michel was replaced by Cavendish cultivars as the export industry banana due to its susceptibility to Fusarium wilt race 1.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	252
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	-
mMaCIR24	228	234	-
mMaCIR27	223	225	227
mMaCIR39	309	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	145	-
mMaCIR164	378	387	-
mMaCIR196	145	158	162
mMaCIR214	100	103	-
mMaCIR231	224	234	258
mMaCIR260	190	192	-
mMaCIR264	241	249	-
mMaCIR307	143	145	-
Ma 1-32	214	227	228
Ma 3-90	129	149	-

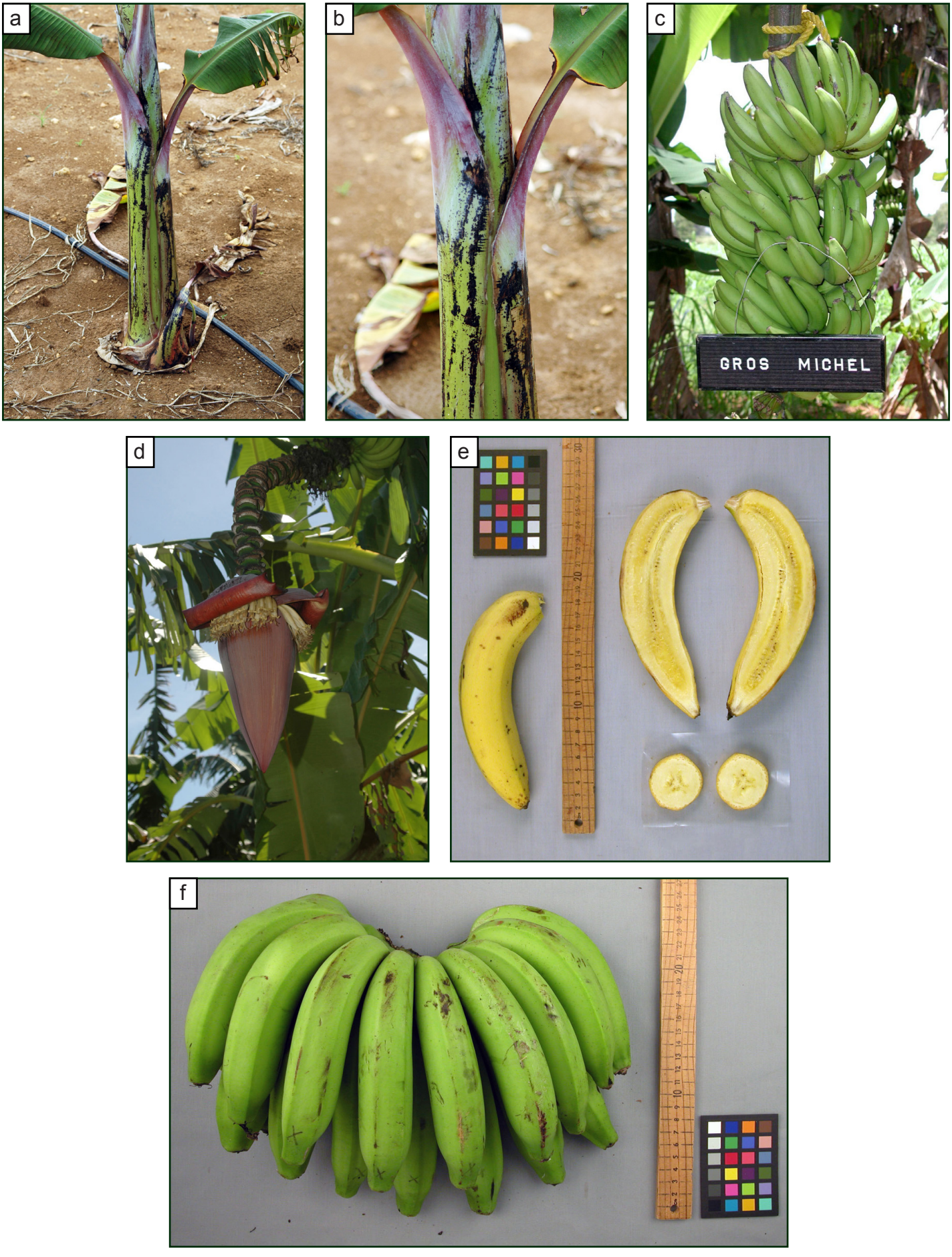
Agronomic

Days from plant to harvest	396
Days from flower to harvest	172
Plant diameter (cm)	22.4
Plant height (m)	4.7
Plant leaves at flowering	11.5
Plant leaves at harvest	3.6
Net bunch weight (kg)	20.0
Number of hands	8.6
Number of fruits	137.7
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	2.5	1.6
Fruits per hand	17.1	15.3
Fruit width (mm)	33.7	31.0
Fruit length	21.2	17.4

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17155 - 'Gros Michel'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17840 - 'Guaran Enano'

Gros Michel (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Gros Michel - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Several Gros Michel synonyms exist

Status: Advanced selection/Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 36216); NCGRP

Donated to TARS: November 29, 1994

Donors: Dr. Pabón (local grower)

Curator notes: Gros Michel subgroup; 'Guaran Enano' is a local name for Gros Michel; Gros Michel clones susceptible to FOC race 1.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	252
mMaCIR03	101	103	-
mMaCIR07	136	150	151
mMaCIR08	241	245	-
mMaCIR13	265	268	-
mMaCIR24	228	234	-
mMaCIR27	223	225	227
mMaCIR39	309	315	-
mMaCIR40	158	163	-
mMaCIR45	266	269	-
mMaCIR150	237	241	-
mMaCIR152	144	145	-
mMaCIR164	378	387	-
mMaCIR196	145	158	162
mMaCIR214	100	103	-
mMaCIR231	224	234	258
mMaCIR260	190	192	-
mMaCIR264	241	249	-
mMaCIR307	143	145	-
Ma 1-32	218	227	228
Ma 3-90	129	149	-

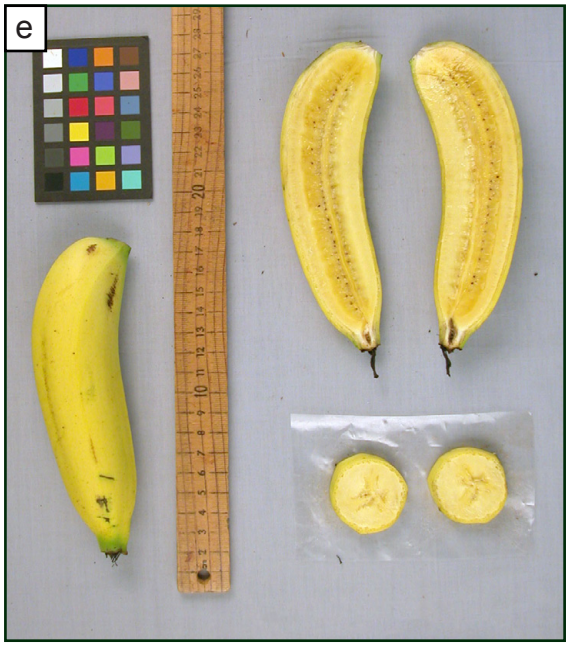
Agronomic

Days from plant to harvest	380
Days from flower to harvest	88
Plant diameter (cm)	20.3
Plant height (m)	3.3
Plant leaves at flowering	13.6
Plant leaves at harvest	7.4
Net bunch weight (kg)	26.2
Number of hands	10.0
Number of fruits	170.9
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	2.9	1.8
Fruits per hand	17.8	15.6
Fruit width (mm)	36.0	32.7
Fruit length	22.4	18.4

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17840 - 'Guaran Enano'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Gros Michel (AAA)

TARS 17396 - 'Igcpoca'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Mutika/Lujugira - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar/landrace

Origin: East Africa

USDA Backup: SHRS (MIA 32072)

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: East African Highland banana; very similar to the other two accessions in this group.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	238	248	-
mMaCIR03	99	101	-
mMaCIR07	130	132	139
mMaCIR08	241	243	247
mMaCIR13	265	278	-
mMaCIR24	222	228	-
mMaCIR27	217	224	225
mMaCIR39	315	325	-
mMaCIR40	163	-	-
mMaCIR45	260	266	269
mMaCIR150	237	243	-
mMaCIR152	144	-	-
mMaCIR164	387	-	-
mMaCIR196	145	162	166
mMaCIR214	103	-	-
mMaCIR231	224	242	258
mMaCIR260	190	192	-
mMaCIR264	238	249	-
mMaCIR307	141	145	153
Ma 1-32	241	-	-
Ma 3-90	135	147	-

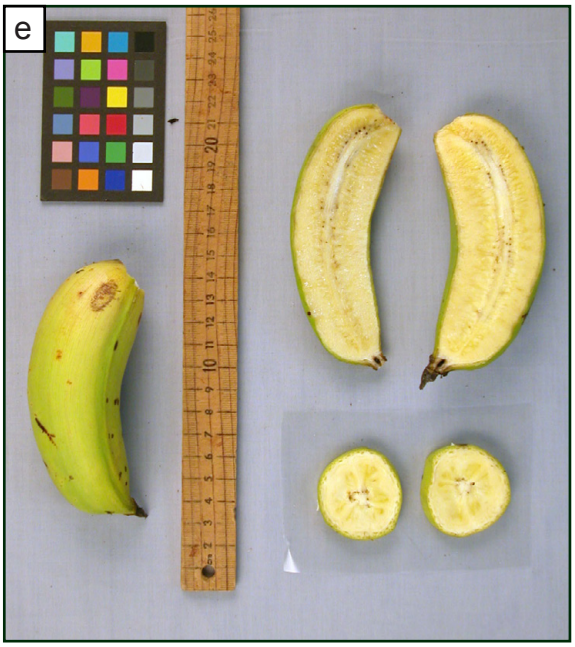
Agronomic

Days from plant to harvest	352
Days from flower to harvest	74
Plant diameter (cm)	15.8
Plant height (m)	3.3
Plant leaves at flowering	14.0
Plant leaves at harvest	8.8
Net bunch weight (kg)	12.9
Number of hands	6.1
Number of fruits	95.9
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Beer
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	2.2	1.6
Fruits per hand	16.2	14.6
Fruit width (mm)	39.8	38.0
Fruit length	15.8	13.8

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17396 - 'Igcpoca'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Mutika/Lujugira (AAA)

TARS 17409 - 'Ignamico'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Mutika/Lujugira - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar/landrace

Origin: East Africa

USDA Backup: SHRS (MIA 32070)

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: East African Highland banana; very similar to the other two accessions in this group.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	238	248	-
mMaCIR03	99	101	-
mMaCIR07	130	132	139
mMaCIR08	241	243	247
mMaCIR13	265	278	-
mMaCIR24	222	228	-
mMaCIR27	217	224	225
mMaCIR39	315	325	-
mMaCIR40	163	-	-
mMaCIR45	260	266	269
mMaCIR150	237	243	-
mMaCIR152	144	-	-
mMaCIR164	387	-	-
mMaCIR196	145	162	166
mMaCIR214	103	-	-
mMaCIR231	224	242	258
mMaCIR260	190	192	-
mMaCIR264	238	249	-
mMaCIR307	141	145	153
Ma 1-32	241	-	-
Ma 3-90	135	147	-

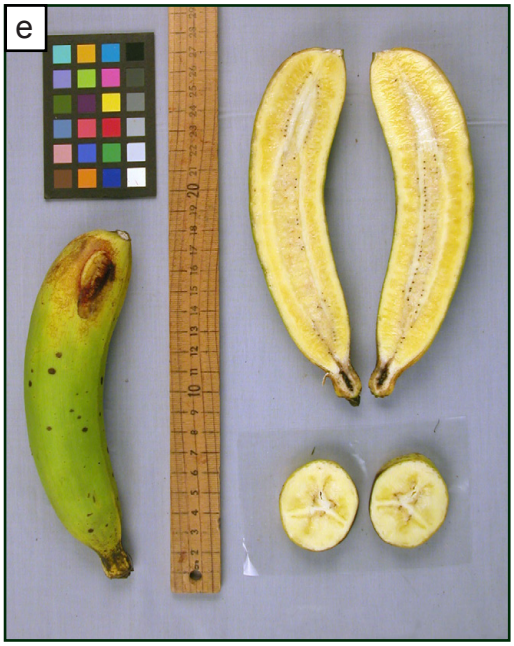
Agronomic

Days from plant to harvest	375
Days from flower to harvest	84
Plant diameter (cm)	17.5
Plant height (m)	3.9
Plant leaves at flowering	12.6
Plant leaves at harvest	4.6
Net bunch weight (kg)	17.1
Number of hands	5.9
Number of fruits	87.4
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Beer
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	3.0	2.0
Fruits per hand	15.7	14.2
Fruit width (mm)	38.8	37.9
Fruit length	22.3	19.0

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17409 - 'Ignamico'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Mutika/Lujugira (AAA)

TARS 17408 - 'Nchumbahoka'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Mutika/Lujugira - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar/landrace

Origin: East Africa

USDA Backup: SHRS (MIA 32071)

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: East African Highland banana; very similar to the other two accessions in this group.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	238	248	-
mMaCIR03	99	101	-
mMaCIR07	130	132	139
mMaCIR08	241	243	247
mMaCIR13	265	278	-
mMaCIR24	222	228	-
mMaCIR27	217	224	225
mMaCIR39	315	325	-
mMaCIR40	163	-	-
mMaCIR45	260	266	269
mMaCIR150	237	243	-
mMaCIR152	144	-	-
mMaCIR164	387	-	-
mMaCIR196	145	162	166
mMaCIR214	103	-	-
mMaCIR231	224	242	258
mMaCIR260	190	192	-
mMaCIR264	238	249	-
mMaCIR307	141	145	153
Ma 1-32	241	-	-
Ma 3-90	135	147	-

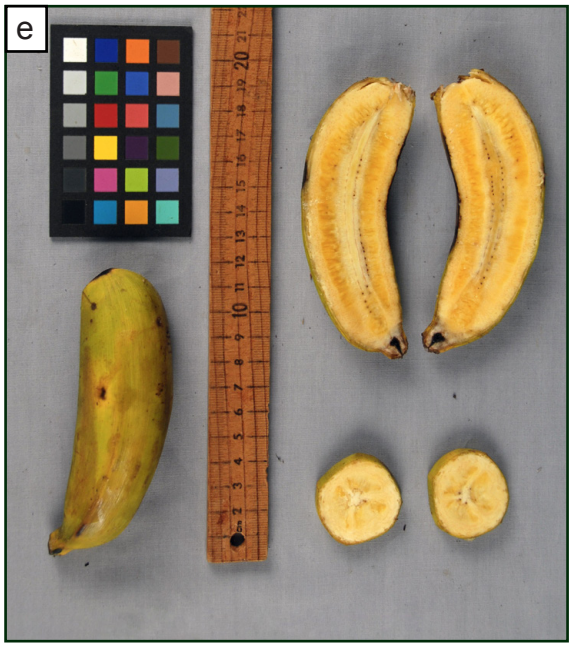
Agronomic

Days from plant to harvest	355
Days from flower to harvest	78
Plant diameter (cm)	16.9
Plant height (m)	3.6
Plant leaves at flowering	11.2
Plant leaves at harvest	8.3
Net bunch weight (kg)	14.8
Number of hands	7.3
Number of fruits	123.8
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Beer
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	2.2	1.5
Fruits per hand	17.1	15.4
Fruit width (mm)	39.0	35.8
Fruit length	16.8	13.2

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17408 - 'Nchumbahoka'

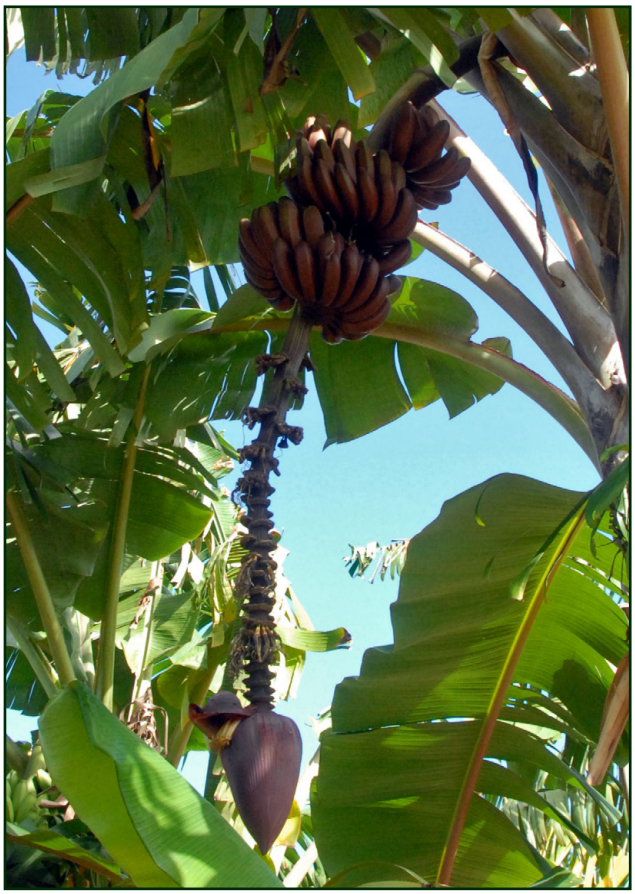


a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Mutika/Lujugira (AAA)

TARS 17392 - 'Cuban Red'

Red (AAA)



Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Red - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Morado

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Cultivar in the red subgroup; long cycle times; very similar if not synonymous with 'Morado'; great tasting fruit eaten as dessert.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	250	252	-
mMaCIR03	99	101	106
mMaCIR07	148	155	169
mMaCIR08	243	249	-
mMaCIR13	265	268	-
mMaCIR24	218	228	-
mMaCIR27	223	225	-
mMaCIR39	309	311	319
mMaCIR40	158	163	178
mMaCIR45	264	266	269
mMaCIR150	237	239	-
mMaCIR152	141	145	-
mMaCIR164	387	-	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	230	234	258
mMaCIR260	190	192	-
mMaCIR264	232	225	-
mMaCIR307	143	145	-
Ma 1-32	218	235	-
Ma 3-90	129	140	149

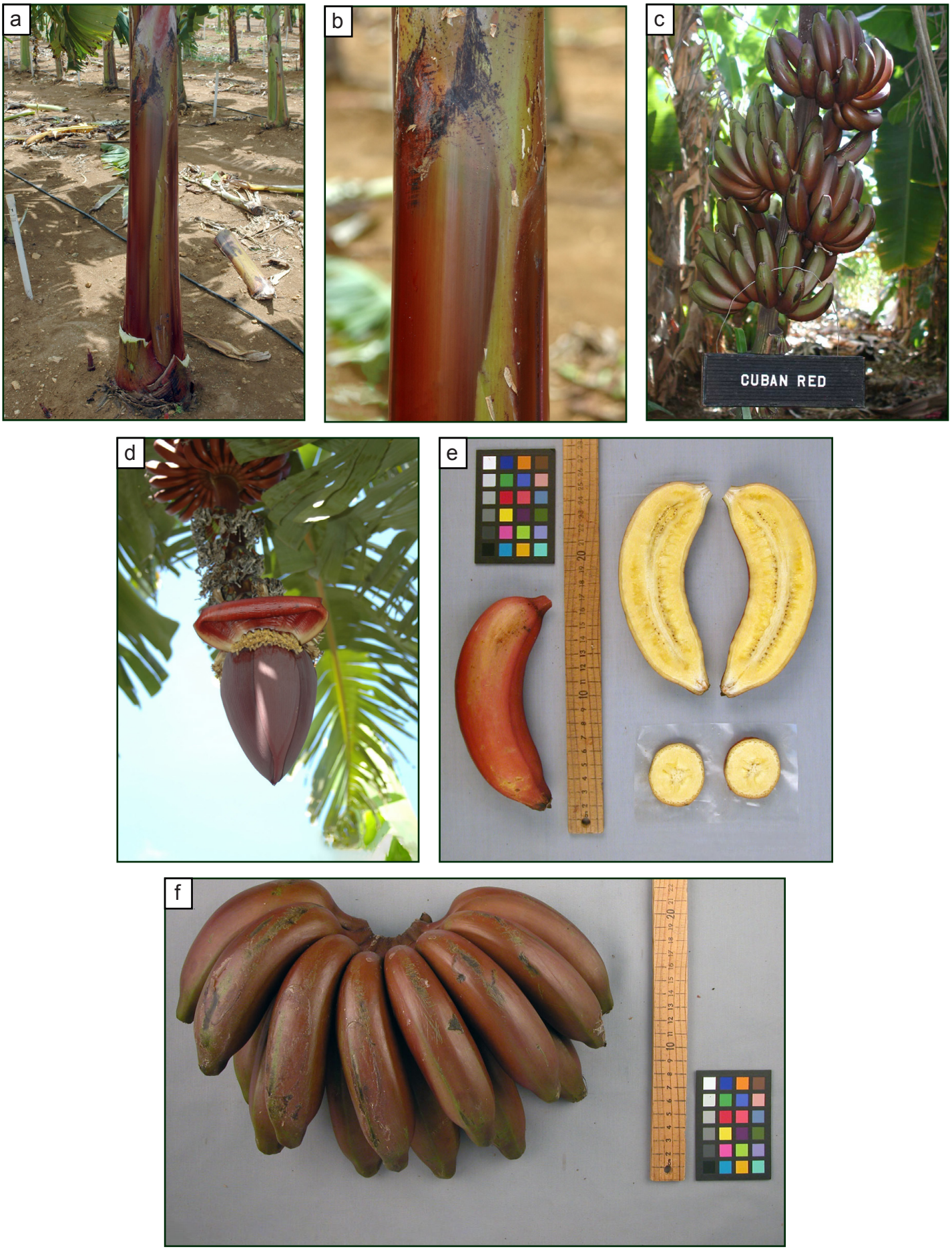
Agronomic

Days from plant to harvest	480
Days from flower to harvest	99
Plant diameter (cm)	23.4
Plant height (m)	4.9
Plant leaves at flowering	9.3
Plant leaves at harvest	4.5
Net bunch weight (kg)	12.5
Number of hands	5.8
Number of fruits	88.4
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	2.8	1.7
Fruits per hand	14.8	14.2
Fruit width (mm)	36.5	32.7
Fruit length	22.3	18.2

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17392 - 'Cuban Red'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17148 - 'Morado'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Red - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Red

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Cultivar in the red subgroup; long cycle times; very similar if not synonymous with 'Cuban Red'; great tasting fruit eaten as dessert.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	250	252	-
mMaCIR03	99	101	106
mMaCIR07	148	155	169
mMaCIR08	243	249	-
mMaCIR13	265	268	-
mMaCIR24	218	228	-
mMaCIR27	223	225	-
mMaCIR39	309	311	319
mMaCIR40	158	163	178
mMaCIR45	264	266	269
mMaCIR150	237	239	-
mMaCIR152	141	145	-
mMaCIR164	387	-	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	230	234	258
mMaCIR260	190	192	-
mMaCIR264	232	249	-
mMaCIR307	143	145	-
Ma 1-32	218	235	-
Ma 3-90	129	140	149

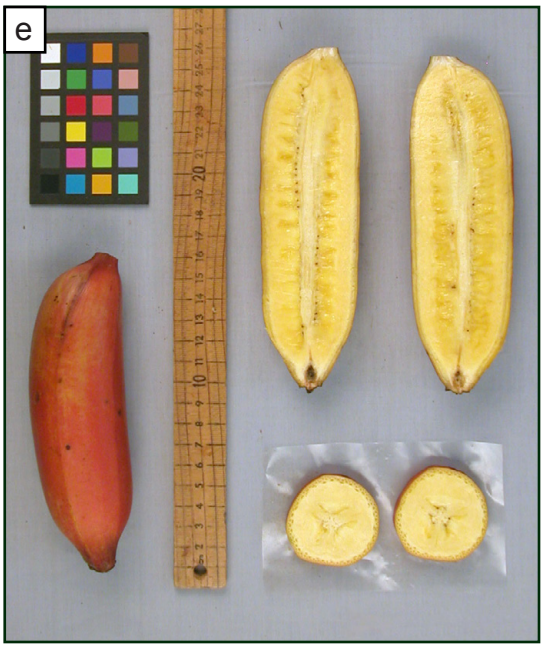
Agronomic

Days from plant to harvest	448
Days from flower to harvest	101
Plant diameter (cm)	23.8
Plant height (m)	5.0
Plant leaves at flowering	9.1
Plant leaves at harvest	4.5
Net bunch weight (kg)	11.5
Number of hands	5.0
Number of fruits	79.0
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	2.1	1.8
Fruits per hand	13.9	13.6
Fruit width (mm)	40.0	38.8
Fruit length	17.6	16.3

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17148 - 'Morado'

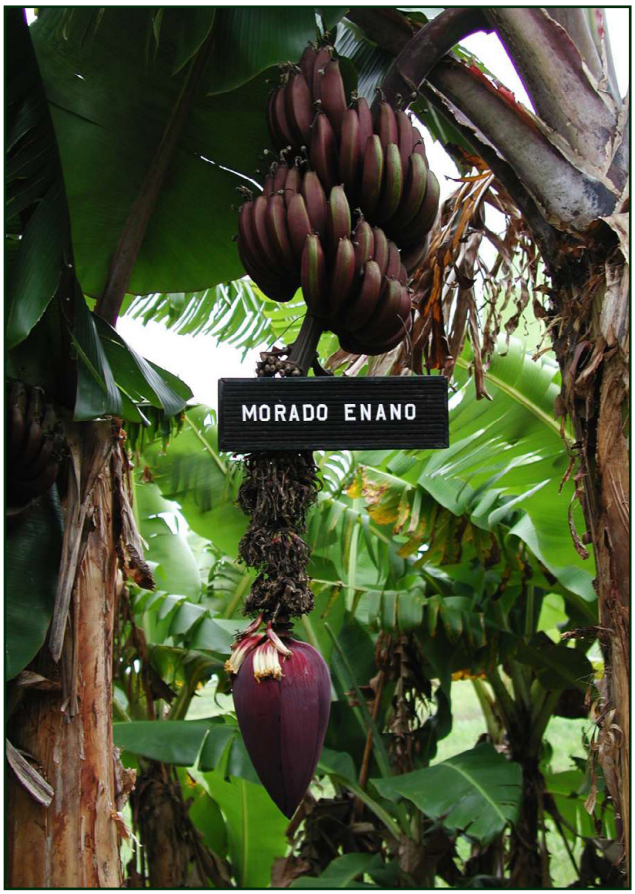


a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Red (AAA)

TARS 17178 - 'Morado Enano'

Red (AAA)



Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Red - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: February, 1991

Donors: Pedro Torres, USDA-ARS TARS

Curator notes: Short cultivar in the red subgroup; long cycle times; great tasting fruit eaten as dessert.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	250	252	-
mMaCIR03	99	101	106
mMaCIR07	148	155	169
mMaCIR08	243	249	-
mMaCIR13	265	268	-
mMaCIR24	218	228	-
mMaCIR27	223	225	-
mMaCIR39	309	311	319
mMaCIR40	158	163	178
mMaCIR45	264	266	269
mMaCIR150	237	239	-
mMaCIR152	141	145	-
mMaCIR164	387	-	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	230	234	258
mMaCIR260	190	192	-
mMaCIR264	232	249	-
mMaCIR307	143	145	-
Ma 1-32	218	235	-
Ma 3-90	129	140	149

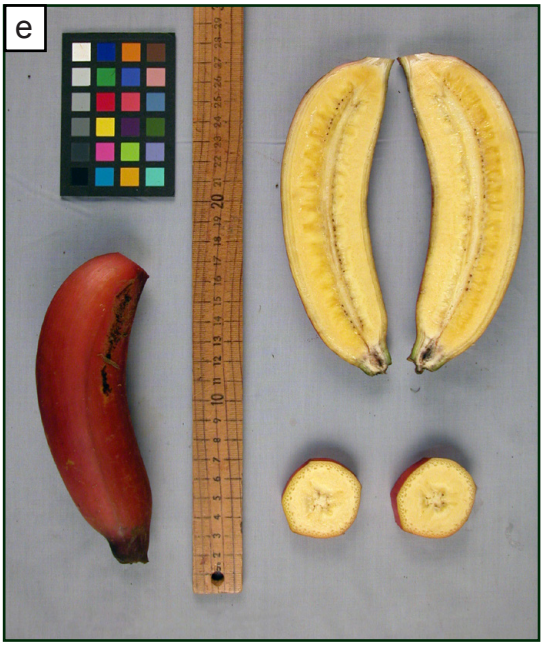
Agronomic

Days from plant to harvest	437
Days from flower to harvest	98
Plant diameter (cm)	22.0
Plant height (m)	2.6
Plant leaves at flowering	14.4
Plant leaves at harvest	8.7
Net bunch weight (kg)	10.2
Number of hands	5.5
Number of fruits	82.0
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	1.8	1.5
Fruits per hand	14.9	13.2
Fruit width (mm)	36.3	35.7
Fruit length	18.0	15.6

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17178 - 'Morado Enano'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17150 - 'Verdin'

Red (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Red - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Green Red

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Cultivar in the red subgroup; fruit is green on this accession; long cycle times; great tasting fruit eaten as dessert.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	250	252	-
mMaCIR03	99	101	106
mMaCIR07	148	155	169
mMaCIR08	243	249	-
mMaCIR13	265	268	-
mMaCIR24	218	228	-
mMaCIR27	223	225	-
mMaCIR39	309	311	319
mMaCIR40	158	163	178
mMaCIR45	264	266	269
mMaCIR150	237	239	-
mMaCIR152	141	145	-
mMaCIR164	387	-	-
mMaCIR196	145	149	162
mMaCIR214	100	103	-
mMaCIR231	230	234	258
mMaCIR260	190	192	-
mMaCIR264	232	249	-
mMaCIR307	143	145	-
Ma 1-32	218	235	-
Ma 3-90	129	140	149

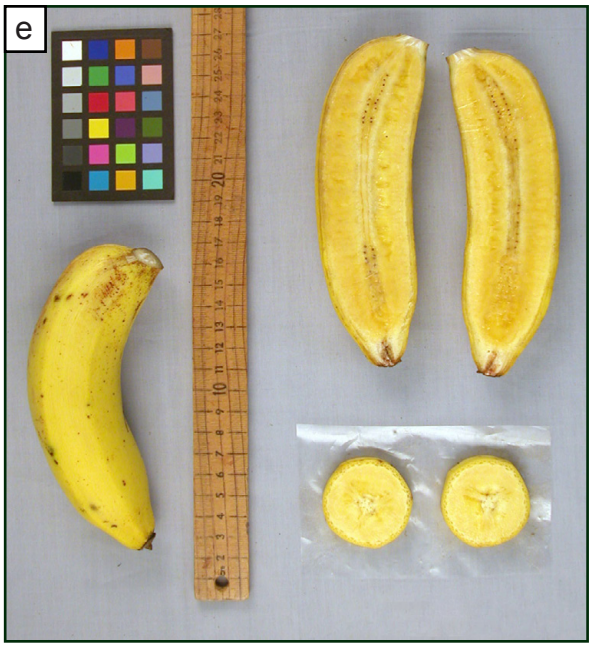
Agronomic

Days from plant to harvest	465
Days from flower to harvest	96
Plant diameter (cm)	23.8
Plant height (m)	4.7
Plant leaves at flowering	9.2
Plant leaves at harvest	4.2
Net bunch weight (kg)	11.5
Number of hands	5.7
Number of fruits	87.1
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	2.1	1.5
Fruits per hand	15.3	14.3
Fruit width (mm)	37.0	36.0
Fruit length	16.8	15.2

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17150 - 'Verdin'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17844 - 'Yangambi Km5'

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: Ibota - AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: D.R. Congo

USDA Backup: None

Donated to TARS: 1998

Donors: Dr. Herber Irizarry; University of Puerto Rico, Corozal Experimental Substation

Curator notes: Great tasting banana; eaten as dessert; compact bunch; resistant to Sigatoka leaf spots.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	230	252	-
mMaCIR03	90	99	103
mMaCIR07	130	141	150
mMaCIR08	241	249	-
mMaCIR13	265	274	286
mMaCIR24	228	238	-
mMaCIR27	217	223	227
mMaCIR39	309	329	-
mMaCIR40	160	178	-
mMaCIR45	264	266	-
mMaCIR150	237	239	-
mMaCIR152	141	144	-
mMaCIR164	378	387	-
mMaCIR196	149	162	-
mMaCIR214	100	-	-
mMaCIR231	228	232	236
mMaCIR260	186	190	192
mMaCIR264	227	249	-
mMaCIR307	143	145	-
Ma 1-32	220	235	241
Ma 3-90	127	149	155

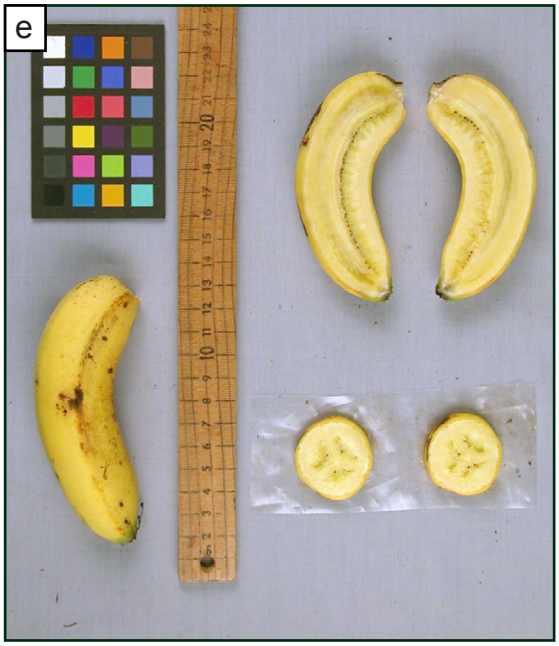
Agronomic

Days from plant to harvest	342
Days from flower to harvest	93
Plant diameter (cm)	18.3
Plant height (m)	3.9
Plant leaves at flowering	12.9
Plant leaves at harvest	7.9
Net bunch weight (kg)	19.2
Number of hands	10.3
Number of fruits	223.8
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	2.2	1.3
Fruits per hand	23.3	19.7
Fruit width (mm)	31.6	30.2
Fruit length	15.4	12.9

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17844 - 'Yangambi Km5'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17160 - 'Paggi'

Unknown (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: This accession is quite productive and good tasting; genetic study has it most closely related to Mutika/Lujugira subgroup.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	238	248
mMaCIR03	99	101	-
mMaCIR07	136	139	145
mMaCIR08	241	243	-
mMaCIR13	265	274	278
mMaCIR24	228	234	246
mMaCIR27	223	225	-
mMaCIR39	315	325	-
mMaCIR40	160	163	-
mMaCIR45	260	266	275
mMaCIR150	237	239	-
mMaCIR152	141	144	-
mMaCIR164	378	387	-
mMaCIR196	145	151	162
mMaCIR214	100	103	-
mMaCIR231	224	258	-
mMaCIR260	188	192	-
mMaCIR264	245	249	-
mMaCIR307	141	143	145
Ma 1-32	227	228	241
Ma 3-90	142	149	-

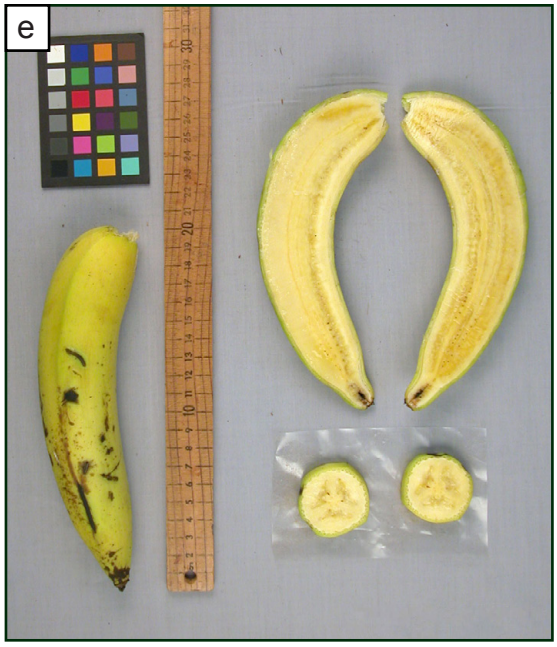
Agronomic

Days from plant to harvest	297
Days from flower to harvest	101
Plant diameter (cm)	16.4
Plant height (m)	3.5
Plant leaves at flowering	14.2
Plant leaves at harvest	8.6
Net bunch weight (kg)	25.7
Number of hands	7.6
Number of fruits	133.5
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	3.7	2.3
Fruits per hand	18.0	16.4
Fruit width (mm)	36.4	34.7
Fruit length (cm)	25.4	21.1

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17160 - 'Paggi'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Unknown (AAA)

TARS 17137 - 'Unknown'

Unknown (AAA)

Taxonomy

Genus: *Musa*

Species/Group: *acuminata*

Subspecies/Subgroup: AAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Previously identified as 1-R-2, 50; belonged to a series of selections by collaborators at the University of Puerto Rico, Corozal Experimental Station.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	232	246	279
mMaCIR03	99	103	106
mMaCIR07	141	145	150
mMaCIR08	241	245	-
mMaCIR13	246	251	276
mMaCIR24	228	230	-
mMaCIR27	228	232	-
mMaCIR39	145	149	-
mMaCIR40	158	163	189
mMaCIR45	259	260	269
mMaCIR150	237	239	-
mMaCIR152	144	145	176
mMaCIR164	278	384	386
mMaCIR196	145	162	-
mMaCIR214	100	103	107
mMaCIR231	224	232	234
mMaCIR260	186	188	190
mMaCIR264	217	224	232
mMaCIR307	145	149	-
Ma 1-32	216	221	-
Ma 3-90	131	138	147

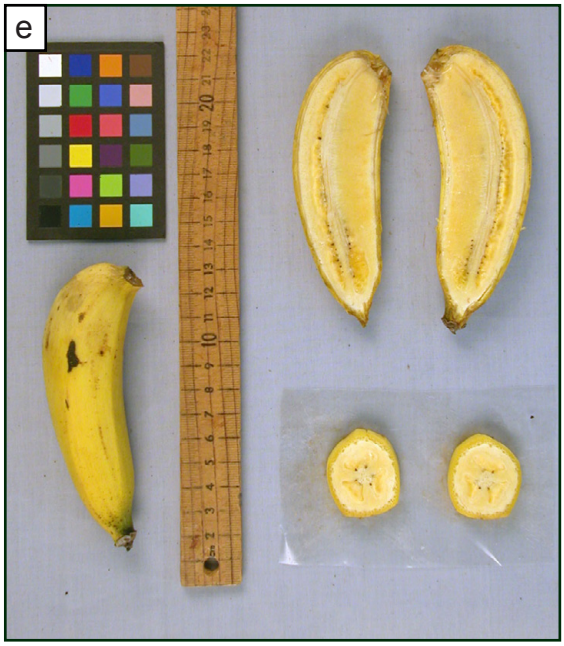
Agronomic

Days from plant to harvest	359
Days from flower to harvest	111
Plant diameter (cm)	20.5
Plant height (m)	4.5
Plant leaves at flowering	13.1
Plant leaves at harvest	8.3
Net bunch weight (kg)	11.9
Number of hands	8.4
Number of fruits	117.6
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Intermediate

	Third Hand	Last Hand
Weight (kg)	1.4	1.1
Fruits per hand	14.2	14.8
Fruit width (mm)	30.5	28.5
Fruit length	16.5	13.9

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17137 - 'Unknown'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e Ripe fruit; f. Third hand

Unknown (AAA)

TARS 17171 - 'Mysore'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Mysore - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Very compact bunch; accession shows symptoms of Banana Steak Virus, but does not appear to affect productivity; widely planted in India.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	232	236	273
mMaCIR03	100	103	106
mMaCIR07	139	141	169
mMaCIR08	243	245	-
mMaCIR13	264	269	276
mMaCIR24	220	232	238
mMaCIR27	217	223	-
mMaCIR39	311	315	336
mMaCIR40	163	181	-
mMaCIR45	257	266	-
mMaCIR150	237	-	-
mMaCIR152	141	147	163
mMaCIR164	278	380	-
mMaCIR196	145	159	-
mMaCIR214	100	105	106
mMaCIR231	224	230	256
mMaCIR260	190	199	-
mMaCIR264	217	224	227
mMaCIR307	143	149	-
Ma 1-32	216	221	235
Ma 3-90	138	149	-

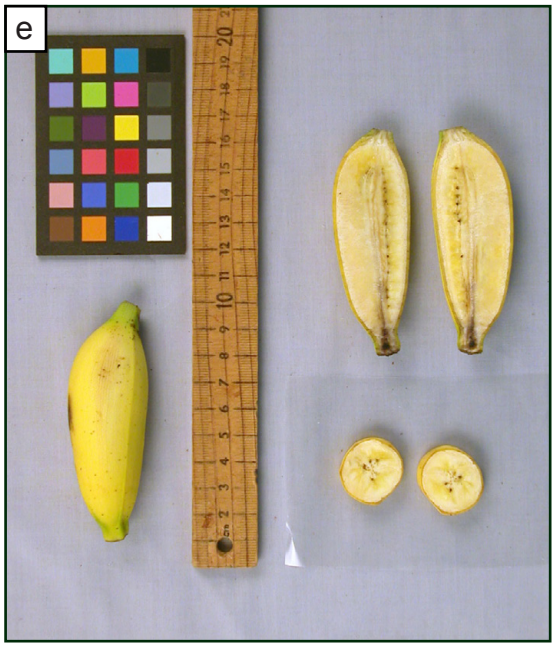
Agronomic

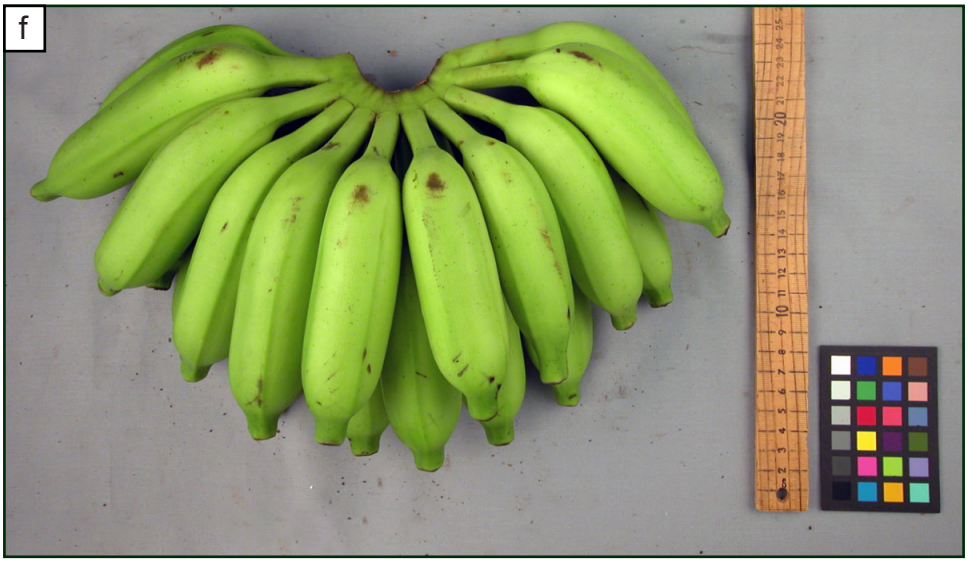
Days from plant to harvest	344
Days from flower to harvest	99
Plant diameter (cm)	17.4
Plant height (m)	3.9
Plant leaves at flowering	14.1
Plant leaves at harvest	9.5
Net bunch weight (kg)	18.1
Number of hands	12.1
Number of fruits	208.8
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	1.7	0.9
Fruits per hand	18.8	16.5
Fruit width (mm)	33.8	31.9
Fruit length	13.8	11.2

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17171 - 'Mysore'





a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17405 - 'Mai'a Maoli Eka'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Maoli - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: According to expert, Dr. Angela Kay Kepler, this accession is extinct elsewhere; very large bunch with lax hands and sausage-shaped fruit.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	-	-
mMaCIR03	101	106	-
mMaCIR07	136	152	-
mMaCIR08	241	-	-
mMaCIR13	246	251	268
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	237	243	-
mMaCIR152	141	163	-
mMaCIR164	294	385	387
mMaCIR196	145	159	-
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	192	206	-
mMaCIR264	224	230	241
mMaCIR307	145	149	-
Ma 1-32	221	227	232
Ma 3-90	131	142	-

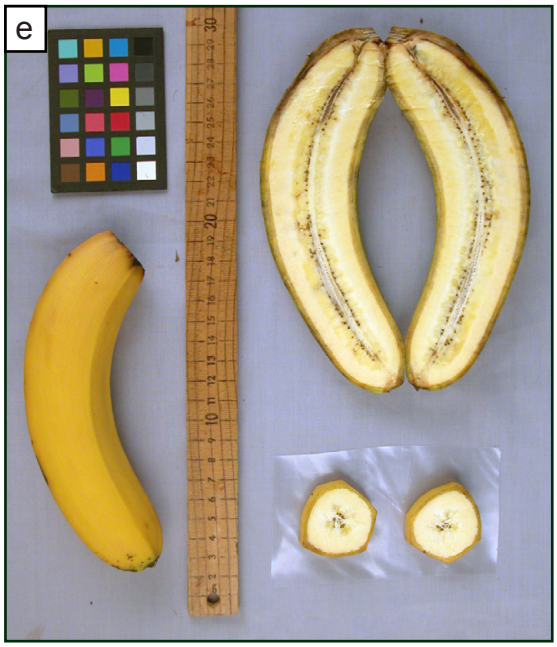
Agronomic

Days from plant to harvest	359
Days from flower to harvest	111
Plant diameter (cm)	20.5
Plant height (m)	4.5
Plant leaves at flowering	13.1
Plant leaves at harvest	8.3
Net bunch weight (kg)	11.9
Number of hands	8.4
Number of fruits	117.6
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	1.4	1.1
Fruits per hand	14.2	14.8
Fruit width (mm)	30.5	28.5
Fruit length	16.5	13.9

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17405 - 'Mai'a Maoli Eka'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18085 - 'Manini'

Maoli (AAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Maoli - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar/ornamental

Origin: Unknown

USDA Backup: None

Donated to TARS: January, 2008

Donors: Dr. Brian Brunner; University of Puerto Rico, Lajas Experimental Substation

Curator notes: Stable chimera; beautiful variegated plant (pseudostem, leaves and fruit); difficult to grow; does not produce bunch often; sausage-shaped fruit.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	-	-
mMaCIR03	101	106	-
mMaCIR07	136	152	-
mMaCIR08	241	-	-
mMaCIR13	246	251	268
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	237	243	-
mMaCIR152	141	163	-
mMaCIR164	294	385	387
mMaCIR196	145	159	-
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	192	206	-
mMaCIR264	224	230	241
mMaCIR307	145	149	-
Ma 1-32	221	227	232
Ma 3-90	131	142	-

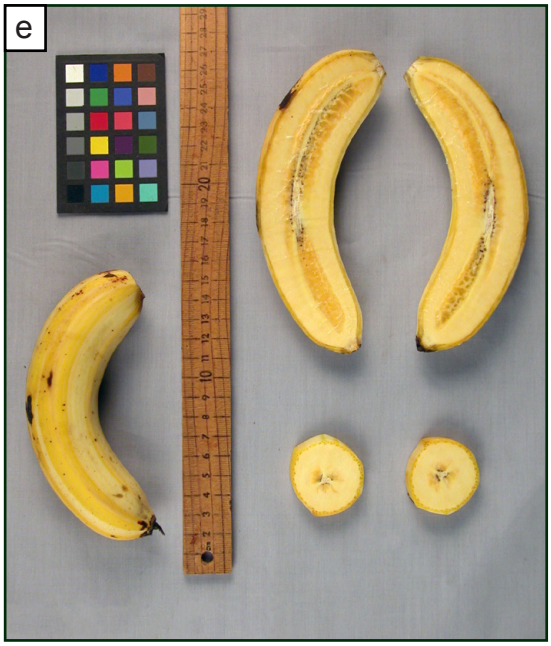
Agronomic

Days from plant to harvest	-
Days from flower to harvest	-
Plant diameter (cm)	-
Plant height (m)	-
Plant leaves at flowering	-
Plant leaves at harvest	-
Net bunch weight (kg)	-
Number of hands	-
Number of fruits	-
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Ornamental/Cooking
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	-	-
Fruit width (mm)	-	-
Fruit length	-	-

.

TARS 18085 - 'Manini'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Maoli (AAB)

TARS 17824 - 'Huamoa'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Popoulu - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Hawaiano

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Unknown

Curator notes: Short blunt or sausage-shaped large fruit; declines rapidly after first cycle; very sweet fruit when ripe and cooked.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	-	-
mMaCIR03	101	106	-
mMaCIR07	136	152	-
mMaCIR08	241	-	-
mMaCIR13	246	251	268
mMaCIR24	220	230	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	237	243	-
mMaCIR152	141	163	-
mMaCIR164	294	385	387
mMaCIR196	145	159	-
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	162	206	-
mMaCIR264	224	230	241
mMaCIR307	145	149	-
Ma 1-32	221	227	232
Ma 3-90	131	142	-

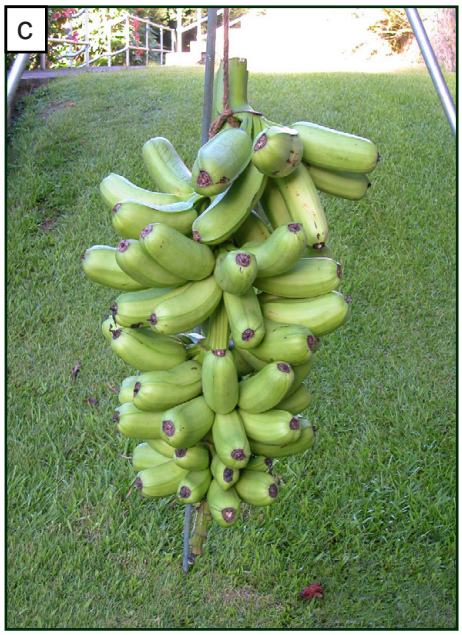
Agronomic

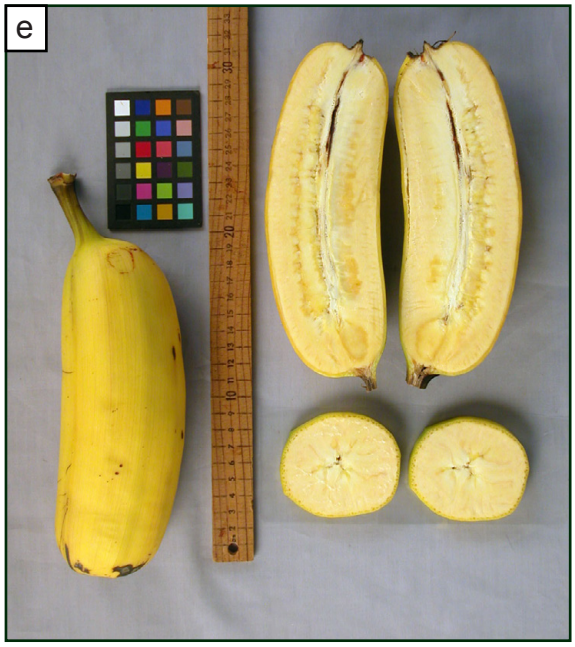
Days from plant to harvest	-
Days from flower to harvest	63.3
Plant diameter (cm)	16
Plant height (m)	2.8
Plant leaves at flowering	14.7
Plant leaves at harvest	12.4
Net bunch weight (kg)	10.3
Number of hands	6.6
Number of fruits	28.2
Pseudostem color	Pale Green
Propagating suckers at harvest	5.5
Bunch phenotype	False-horn
Economic Importance	Cooking
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	0	0.225
Fruits per hand	4.7	2.0
Fruit width (mm)	0	27.5
Fruit length	0	17.0

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17824 - 'Huamoa'





a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17176 - 'Golden Pillow'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Silk - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Apple; Manzano

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: February, 1991

Donors: Dr. Pabón (local grower)

Curator notes: Sub-acid flavor; eaten when very ripe; fruit peel splits at maturity; susceptible to FOC race 1; 'Manzano' appears to be synonymous.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	271	-
mMaCIR03	99	100	103
mMaCIR07	145	151	-
mMaCIR08	245	-	-
mMaCIR13	265	269	-
mMaCIR24	222	238	-
mMaCIR27	223	-	-
mMaCIR39	315	336	-
mMaCIR40	160	181	-
mMaCIR45	257	260	266
mMaCIR150	237	-	-
mMaCIR152	141	163	-
mMaCIR164	278	380	-
mMaCIR196	145	159	-
mMaCIR214	100	105	-
mMaCIR231	224	234	-
mMaCIR260	190	192	-
mMaCIR264	224	227	-
mMaCIR307	143	149	-
Ma 1-32	235	241	-
Ma 3-90	149	-	-

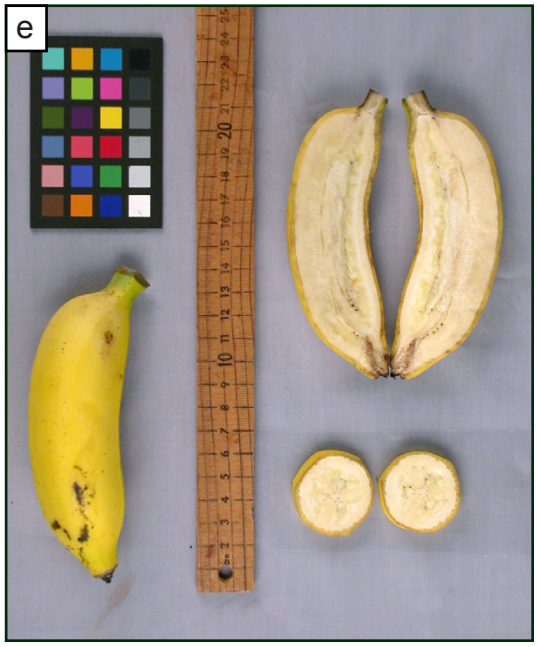
Agronomic

Days from plant to harvest	326
Days from flower to harvest	91
Plant diameter (cm)	18.4
Plant height (m)	4.0
Plant leaves at flowering	14.9
Plant leaves at harvest	9.0
Net bunch weight (kg)	12.9
Number of hands	7.1
Number of fruits	106.8
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	1.9	1.4
Fruits per hand	14.1	14.1
Fruit width (mm)	37.4	36.5
Fruit length	17.2	14.8

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17176 - 'Golden Pillow'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17136 - 'Manzano'

Silk (AAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Silk - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Apple; Golden Pillow

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Sub-acid flavor; eaten when very ripe; fruit peel splits at maturity; susceptible to FOC race 1; 'Golden Pillow' appears to be synonymous.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	271	-
mMaCIR03	99	100	103
mMaCIR07	145	151	-
mMaCIR08	245	-	-
mMaCIR13	265	269	-
mMaCIR24	222	238	-
mMaCIR27	223	-	-
mMaCIR39	315	336	-
mMaCIR40	160	181	-
mMaCIR45	257	260	266
mMaCIR150	237	-	-
mMaCIR152	141	163	-
mMaCIR164	278	380	-
mMaCIR196	145	159	-
mMaCIR214	100	105	-
mMaCIR231	224	234	-
mMaCIR260	190	192	-
mMaCIR264	224	227	-
mMaCIR307	143	149	-
Ma 1-32	235	241	-
Ma 3-90	149	-	-

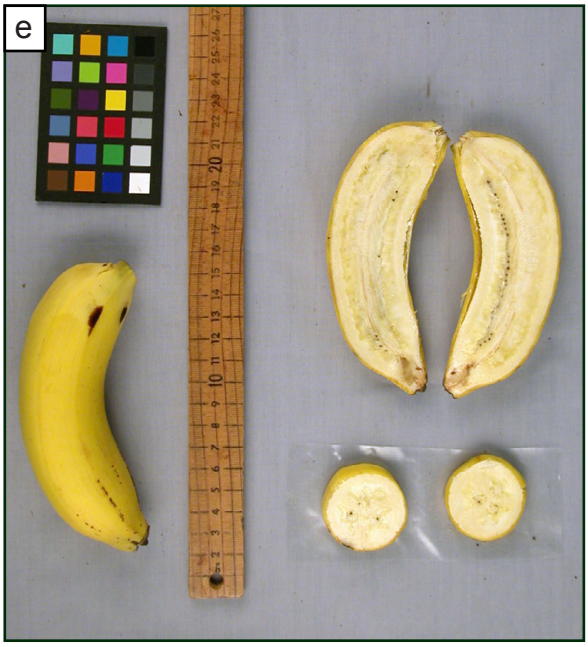
Agronomic

Days from plant to harvest	324
Days from flower to harvest	94
Plant diameter (cm)	17.5
Plant height (m)	3.7
Plant leaves at flowering	16.9
Plant leaves at harvest	9.9
Net bunch weight (kg)	12.1
Number of hands	6.7
Number of fruits	94.2
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	1.8	1.5
Fruits per hand	13.9	14.7
Fruit width (mm)	37.6	37.4
Fruit length	16.4	14.1

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17136 - 'Manzano'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17134 - 'Antigua Finger Rose'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Pome - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Short accession in the Pome subgroup; similar to 'Rajapuri'; sometimes bunch is choked.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	271
mMaCIR03	101	103	106
mMaCIR07	136	139	151
mMaCIR08	241	245	-
mMaCIR13	265	268	269
mMaCIR24	222	228	234
mMaCIR27	225	227	-
mMaCIR39	315	336	-
mMaCIR40	163	181	-
mMaCIR45	257	266	269
mMaCIR150	237	241	-
mMaCIR152	144	163	-
mMaCIR164	278	378	387
mMaCIR196	145	159	162
mMaCIR214	100	103	105
mMaCIR231	224	230	258
mMaCIR260	190	192	-
mMaCIR264	224	241	-
mMaCIR307	143	145	149
Ma 1-32	221	227	228
Ma 3-90	129	149	-

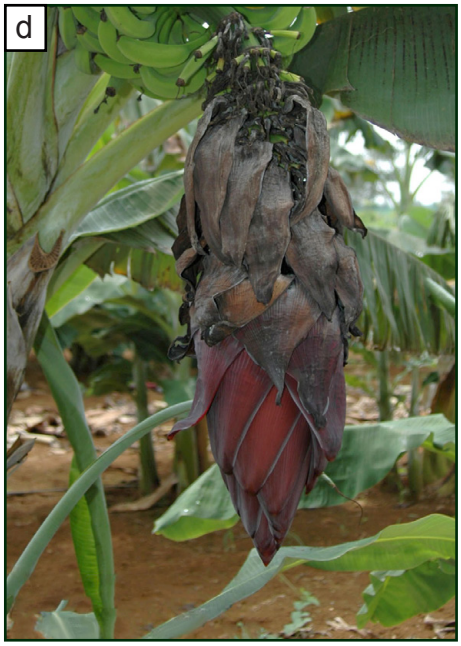
Agronomic

Days from plant to harvest	313
Days from flower to harvest	114
Plant diameter (cm)	14.4
Plant height (m)	2.2
Plant leaves at flowering	14.1
Plant leaves at harvest	8.4
Net bunch weight (kg)	6.3
Number of hands	8.5
Number of fruits	92.2
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	0.9	0.6
Fruits per hand	11.8	11.7
Fruit width (mm)	30.0	29.3
Fruit length	13.8	12.0

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17134 - 'Antigua Finger Rose'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17378 - 'Hy Brazilian'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Pome - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Prata, Hybrid Brazilian

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Bananas in this subgroup are very popular in Brazil; characteristic long bare rachis; similar to other tall plants in subgroup.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	271
mMaCIR03	100	101	103
mMaCIR07	136	145	151
mMaCIR08	241	245	-
mMaCIR13	265	267	268
mMaCIR24	222	228	234
mMaCIR27	225	227	-
mMaCIR39	315	336	-
mMaCIR40	163	181	-
mMaCIR45	257	266	269
mMaCIR150	237	241	-
mMaCIR152	144	163	-
mMaCIR164	278	378	387
mMaCIR196	145	159	162
mMaCIR214	100	103	105
mMaCIR231	224	234	258
mMaCIR260	190	192	202
mMaCIR264	224	241	-
mMaCIR307	143	145	149
Ma 1-32	221	227	228
Ma 3-90	129	131	149

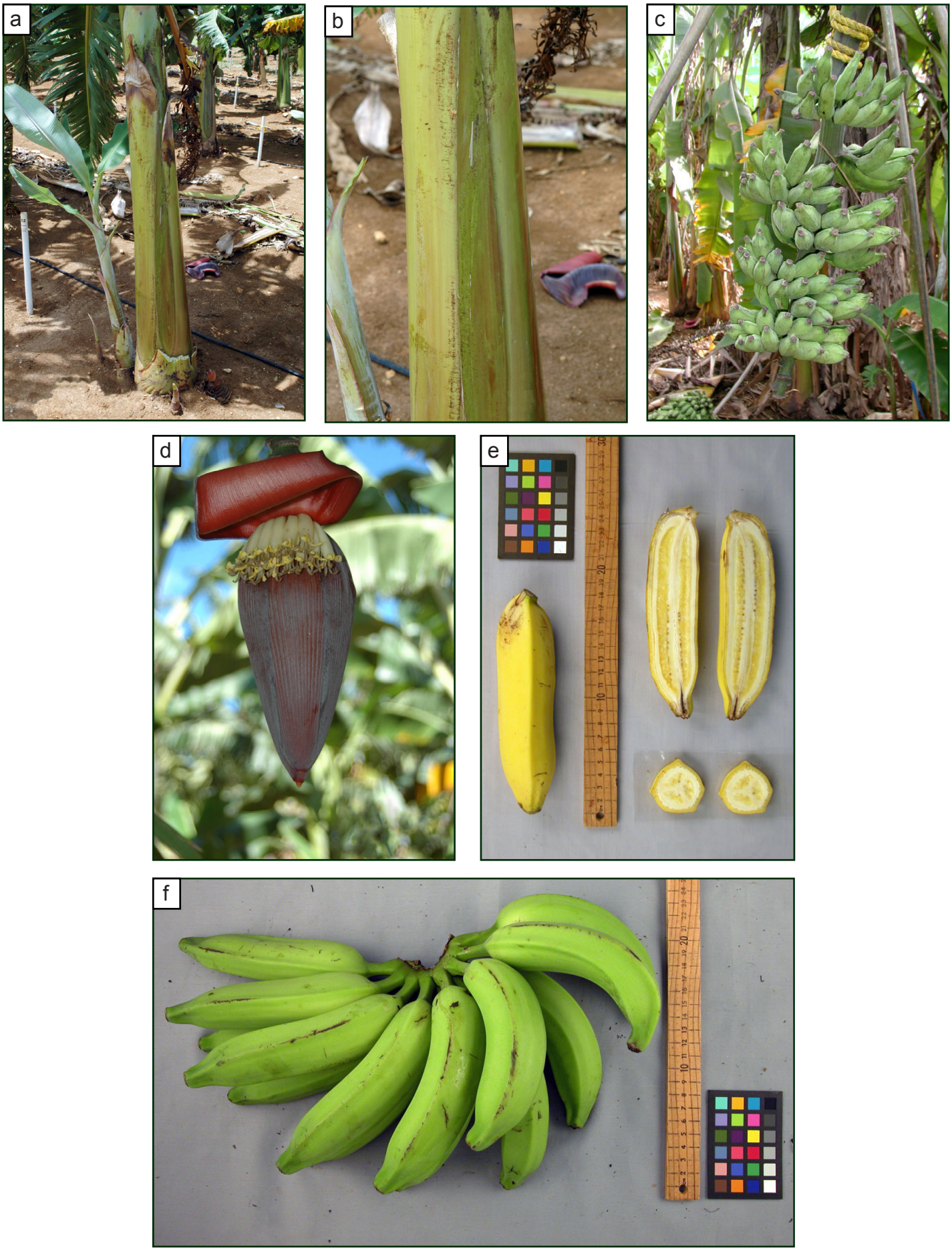
Agronomic

Days from plant to harvest	337
Days from flower to harvest	108
Plant diameter (cm)	18.0
Plant height (m)	4.2
Plant leaves at flowering	15.3
Plant leaves at harvest	10.1
Net bunch weight (kg)	9.7
Number of hands	6.7
Number of fruits	89.3
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	1.5	1.0
Fruits per hand	13.4	12.4
Fruit width (mm)	33.1	31.2
Fruit length	17.3	14.6

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17378 - 'Hy Brazilian'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18064 - 'Pirineo'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Pome - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Prata

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: June, 1997

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Bananas in this subgroup are very popular in Brazil; characteristic long bare rachis; similar to other tall plants in subgroup.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	271
mMaCIR03	100	101	103
mMaCIR07	136	145	151
mMaCIR08	241	245	-
mMaCIR13	265	267	268
mMaCIR24	222	228	234
mMaCIR27	225	227	-
mMaCIR39	315	336	-
mMaCIR40	163	181	-
mMaCIR45	257	266	269
mMaCIR150	237	241	-
mMaCIR152	144	163	-
mMaCIR164	278	378	387
mMaCIR196	145	159	162
mMaCIR214	100	103	105
mMaCIR231	224	234	258
mMaCIR260	190	192	202
mMaCIR264	224	241	-
mMaCIR307	143	145	149
Ma 1-32	221	227	228
Ma 3-90	129	131	149

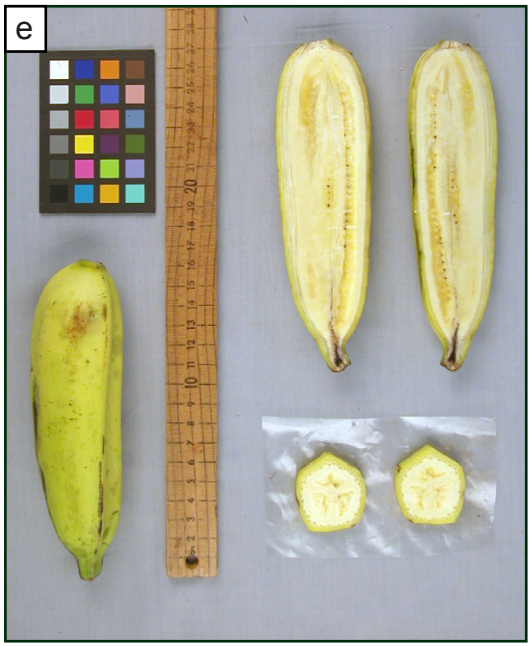
Agronomic

Days from plant to harvest	319
Days from flower to harvest	109
Plant diameter (cm)	17.9
Plant height (m)	4.3
Plant leaves at flowering	15.2
Plant leaves at harvest	9.7
Net bunch weight (kg)	9.1
Number of hands	7.4
Number of fruits	99.5
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	1.3	0.9
Fruits per hand	13.2	12.7
Fruit width (mm)	30.8	29.5
Fruit length	16.2	14.5

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 18064 - 'Pirineo'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17157 - 'Poni'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Pome - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Prata

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: June, 1996

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Bananas in this subgroup are very popular in Brazil; characteristic long bare rachis; similar to other tall plants in subgroup.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	271
mMaCIR03	100	101	103
mMaCIR07	136	145	151
mMaCIR08	241	245	-
mMaCIR13	265	267	268
mMaCIR24	222	228	234
mMaCIR27	225	227	-
mMaCIR39	315	336	-
mMaCIR40	163	181	-
mMaCIR45	257	266	269
mMaCIR150	237	241	-
mMaCIR152	144	163	-
mMaCIR164	278	378	387
mMaCIR196	145	159	162
mMaCIR214	100	103	105
mMaCIR231	224	234	258
mMaCIR260	190	192	202
mMaCIR264	224	241	-
mMaCIR307	143	145	149
Ma 1-32	221	227	228
Ma 3-90	129	131	149

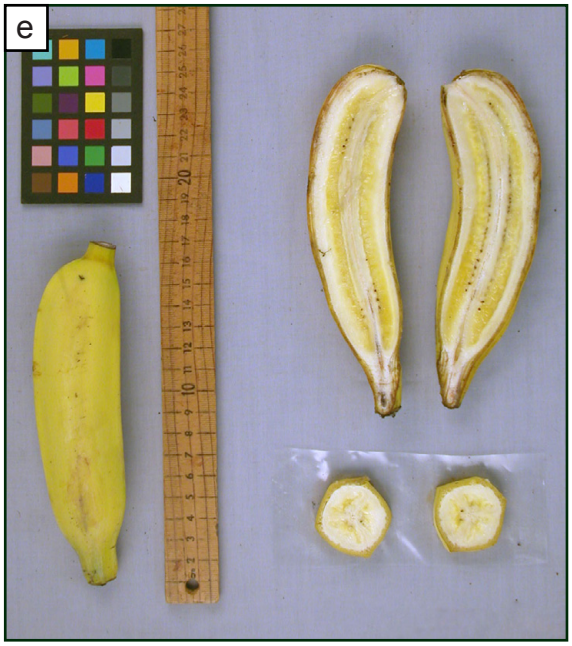
Agronomic

Days from plant to harvest	321
Days from flower to harvest	115
Plant diameter (cm)	17.0
Plant height (m)	3.4
Plant leaves at flowering	15.9
Plant leaves at harvest	9.7
Net bunch weight (kg)	10.0
Number of hands	6.4
Number of fruits	81.1
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	1.6	1.2
Fruits per hand	12.6	11.9
Fruit width (mm)	34.3	33.1
Fruit length	18.2	15.1

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17157 - 'Poni'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 16522 - 'Rajapuri'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Pome - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: February 12, 1990

Donors: USDA-ARS Subtropical Horticulture Station - William Krome

Curator notes: Short accession in the Pome subgroup; similar to 'Antigua Finger Rose'; sometimes bunch is choked.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	271
mMaCIR03	101	103	106
mMaCIR07	136	139	151
mMaCIR08	241	245	-
mMaCIR13	265	268	269
mMaCIR24	222	228	234
mMaCIR27	225	227	-
mMaCIR39	315	336	-
mMaCIR40	163	181	-
mMaCIR45	257	266	269
mMaCIR150	237	241	-
mMaCIR152	144	163	-
mMaCIR164	278	378	387
mMaCIR196	145	159	162
mMaCIR214	100	103	105
mMaCIR231	224	230	258
mMaCIR260	190	192	-
mMaCIR264	224	241	-
mMaCIR307	143	145	149
Ma 1-32	221	227	228
Ma 3-90	129	149	-

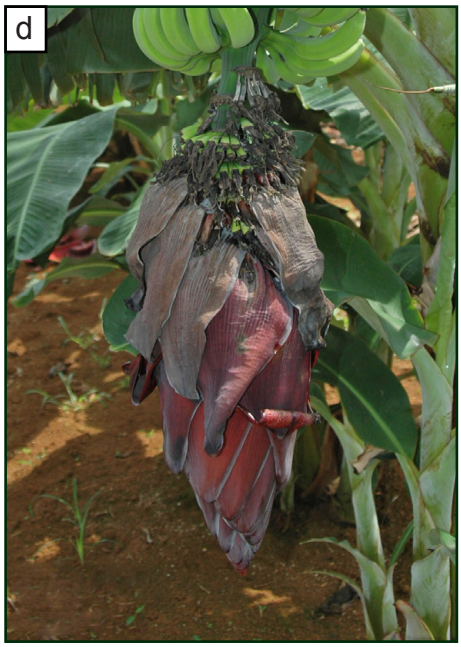
Agronomic

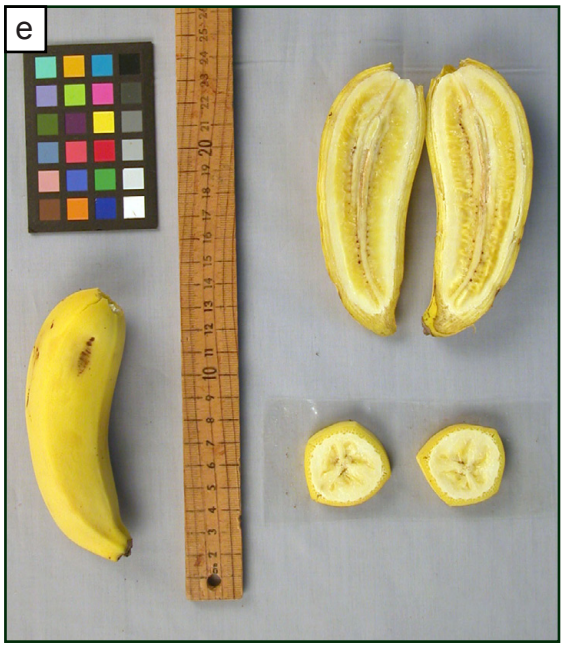
Days from plant to harvest	298
Days from flower to harvest	114
Plant diameter (cm)	14.7
Plant height (m)	2.1
Plant leaves at flowering	14.5
Plant leaves at harvest	8.8
Net bunch weight (kg)	7.6
Number of hands	7.3
Number of fruits	86.7
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	1.1	0.8
Fruits per hand	11.6	11.9
Fruit width (mm)	31.0	30.3
Fruit length	15.4	12.8

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 16522 - 'Rajapuri'





a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17410 - 'Señorita'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Pome - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Prata

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: June, 1995

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Bananas in this subgroup are very popular in Brazil; characteristic long bare rachis; other cultivars commonly called 'Señorita'.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	240	271
mMaCIR03	100	101	103
mMaCIR07	136	145	151
mMaCIR08	241	245	-
mMaCIR13	265	267	268
mMaCIR24	222	228	234
mMaCIR27	225	227	-
mMaCIR39	315	336	-
mMaCIR40	163	181	-
mMaCIR45	257	266	269
mMaCIR150	237	241	-
mMaCIR152	144	163	-
mMaCIR164	278	378	387
mMaCIR196	145	159	162
mMaCIR214	100	103	105
mMaCIR231	224	234	258
mMaCIR260	190	192	202
mMaCIR264	224	241	-
mMaCIR307	143	145	149
Ma 1-32	221	227	228
Ma 3-90	129	131	149

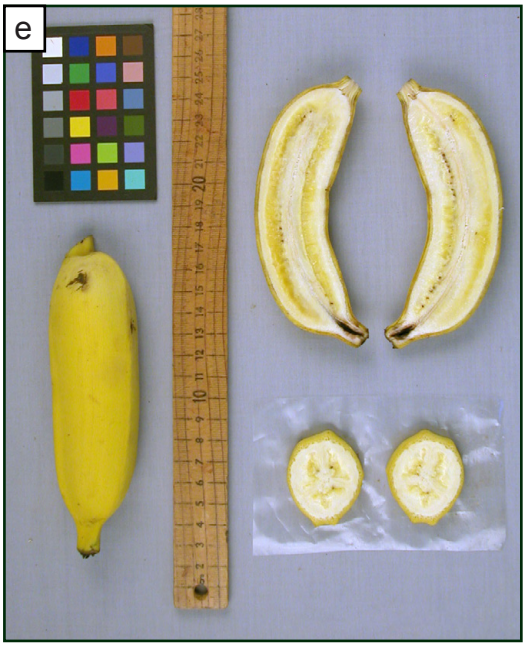
Agronomic

Days from plant to harvest	335
Days from flower to harvest	112
Plant diameter (cm)	18.0
Plant height (m)	4.3
Plant leaves at flowering	15.9
Plant leaves at harvest	9.1
Net bunch weight (kg)	9.6
Number of hands	7.1
Number of fruits	94.1
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	1.4	1.0
Fruits per hand	13.4	12.7
Fruit width (mm)	32.3	31.6
Fruit length	16.8	14.8

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17410 - 'Señorita'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17407 - 'Tigua'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Iholena - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: PNG265

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 34189)

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Only accession in the Iholena subgroup; beautiful red colored rachis/peduncle; sweet fruit when ripe and cooked.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	238	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	-	-
mMaCIR39	315	336	-
mMaCIR40	162	178	-
mMaCIR45	257	264	266
mMaCIR150	237	243	-
mMaCIR152	141	163	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	100	103	105
mMaCIR231	224	226	230
mMaCIR260	190	192	-
mMaCIR264	224	249	-
mMaCIR307	145	149	-
Ma 1-32	221	227	229
Ma 3-90	131	142	147

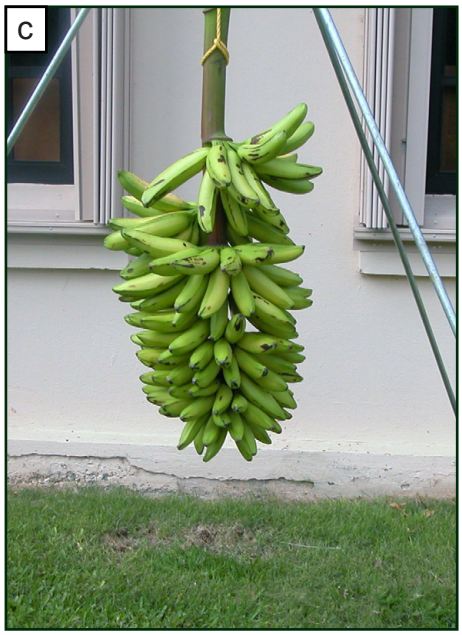
Agronomic

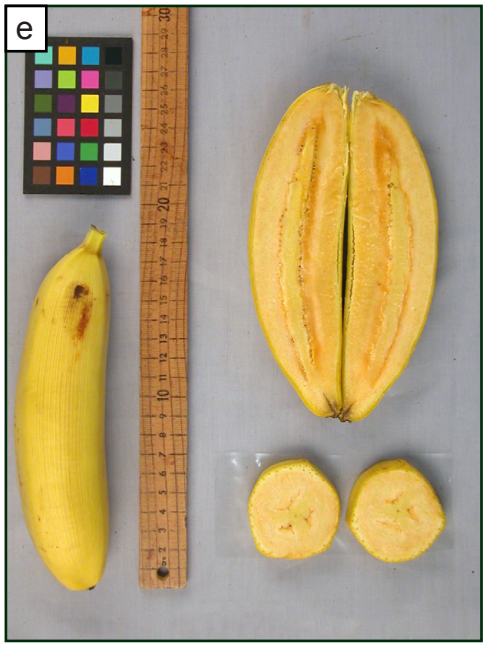
Days from plant to harvest	462
Days from flower to harvest	76
Plant diameter (cm)	18.1
Plant height (m)	3.3
Plant leaves at flowering	13.8
Plant leaves at harvest	11.5
Net bunch weight (kg)	20.53
Number of hands	7.3
Number of fruits	100
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	14.5	12.3
Fruit width (mm)	4.7	2.8
Fruit length	20.4	17.4

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17407 - 'Tigua'





a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Iholena (AAB)

TARS 18026 - 'Dare'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Laknau - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 34921); NCGRP

Donated to TARS: October 25, 2006

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Plantain-like in bunch appearance; very similar to the two Laknau accessions.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	220	-
mMaCIR39	315	333	336
mMaCIR40	162	164	-
mMaCIR45	266	-	-
mMaCIR150	237	-	-
mMaCIR152	141	-	-
mMaCIR164	294	387	-
mMaCIR196	145	159	-
mMaCIR214	103	105	108
mMaCIR231	226	230	-
mMaCIR260	190	-	-
mMaCIR264	224	241	249
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	131	142	-

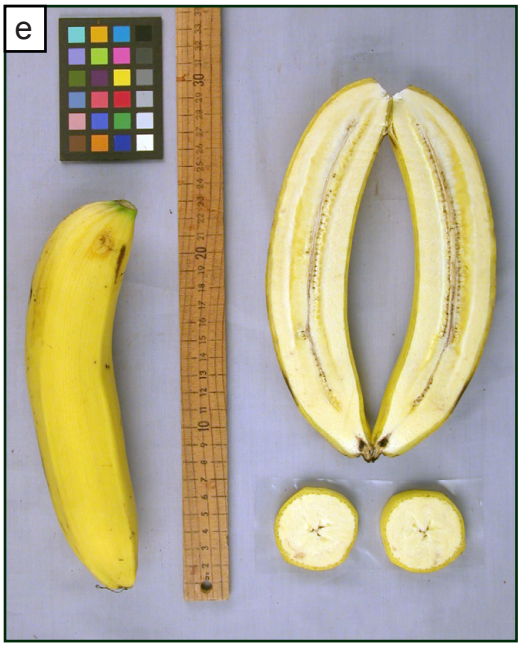
Agronomic

Days from plant to harvest	327
Days from flower to harvest	109
Plant diameter (cm)	15.6
Plant height (m)	2.9
Plant leaves at flowering	12
Plant leaves at harvest	6.3
Net bunch weight (kg)	13.76
Number of hands	4.3
Number of fruits	56
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reation	Tolerant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	13.3	12.5
Fruit width (mm)	4.1	3.9
Fruit length	21.9	19.9

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18026 - 'Dare'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Laknau (AAB)

TARS 16516 - 'Laknau-23472'

Laknau (AAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Laknau - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Tropical Agriculture Research Service (SIATSA), La Lima Honduras

Curator notes: Plantain-like in bunch appearance; very similar to the '23479 Laknau' and 'Dare' accessions.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	220	-
mMaCIR39	315	333	336
mMaCIR40	162	164	-
mMaCIR45	266	-	-
mMaCIR150	237	-	-
mMaCIR152	141	-	-
mMaCIR164	294	387	-
mMaCIR196	145	159	-
mMaCIR214	103	105	108
mMaCIR231	226	230	-
mMaCIR260	190	-	-
mMaCIR264	224	241	249
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	131	142	-

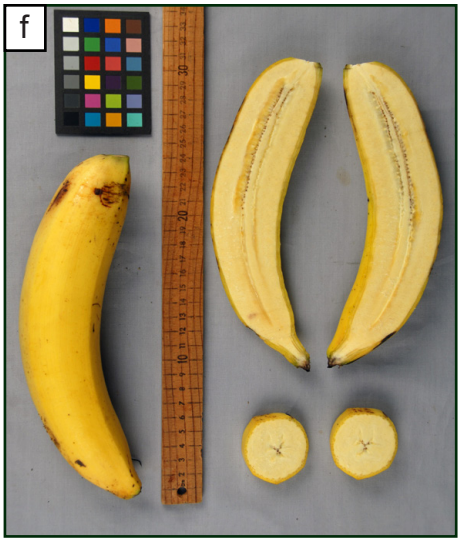
Agronomic

Days from plant to harvest	-
Days from flower to harvest	112
Plant diameter (cm)	18.4
Plant height (m)	3.2
Plant leaves at flowering	14
Plant leaves at harvest	12.3
Net bunch weight (kg)	27.8
Number of hands	7.6
Number of fruits	81.4
Pseudostem color	Green
Propagating suckers at harvest	5
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	0.333	0.203
Fruits per hand	13.4	10
Fruit width (mm)	50.7	47.3
Fruit length	27.2	25.5

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 16516 - 'Laknau 23472'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

TARS 16515 - 'Laknau-23479'

Laknau (AAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Laknau - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Tropical Agriculture Research Service (SIATSA), La Lima Honduras

Curator notes: Plantain-like in bunch appearance; very similar to the '23472 Laknau' and 'Dare' accessions.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	236	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	220	-
mMaCIR39	315	333	336
mMaCIR40	162	164	-
mMaCIR45	266	-	-
mMaCIR150	237	-	-
mMaCIR152	141	-	-
mMaCIR164	294	387	-
mMaCIR196	145	159	-
mMaCIR214	103	105	108
mMaCIR231	226	230	-
mMaCIR260	190	-	-
mMaCIR264	224	241	249
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	131	142	-

Agronomic

Days from plant to harvest	-
Days from flower to harvest	95.3
Plant diameter (cm)	16.2
Plant height (m)	3
Plant leaves at flowering	12.9
Plant leaves at harvest	11.1
Net bunch weight (kg)	24.9
Number of hands	87.6
Number of fruits	284.3
Pseudostem color	Green
Propagating suckers at harvest	6.1
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	0.256	0.166
Fruits per hand	13.7	8.7
Fruit width (mm)	48.2	45.2
Fruit length	26.7	25

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 16515 - 'Laknau 23479'

a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17181 - 'African Rhino'

Plantain (AAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Cuerno de Alce

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: October, 1991

Donors: Dr. Pabón (local grower)

Curator notes: True plantain; horn type bunch; very large fruit; not stable for number of hand produced; declines rapidly after first cycle.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

Agronomic

Days from plant to harvest	-
Days from flower to harvest	95.4
Plant diameter (cm)	20.6
Plant height (m)	3.8
Plant leaves at flowering	12.6
Plant leaves at harvest	11.3
Net bunch weight (kg)	19.5
Number of hands	1.6
Number of fruits	24
Pseudostem color	Green
Propagating suckers at harvest	5
Bunch phenotype	True-horn
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	-	0.626
Fruits per hand	-	8.5
Fruit width (mm)	-	58.0
Fruit length (cm)	-	41.3

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17181 - 'African Rhino'

a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 16512 - 'Chinga'

Plantain (AAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 35983); NCGRP

Donated to TARS: Unknown

Donors: Cuba

Curator notes: True plantain; false-horn type bunch; red pseudostem.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

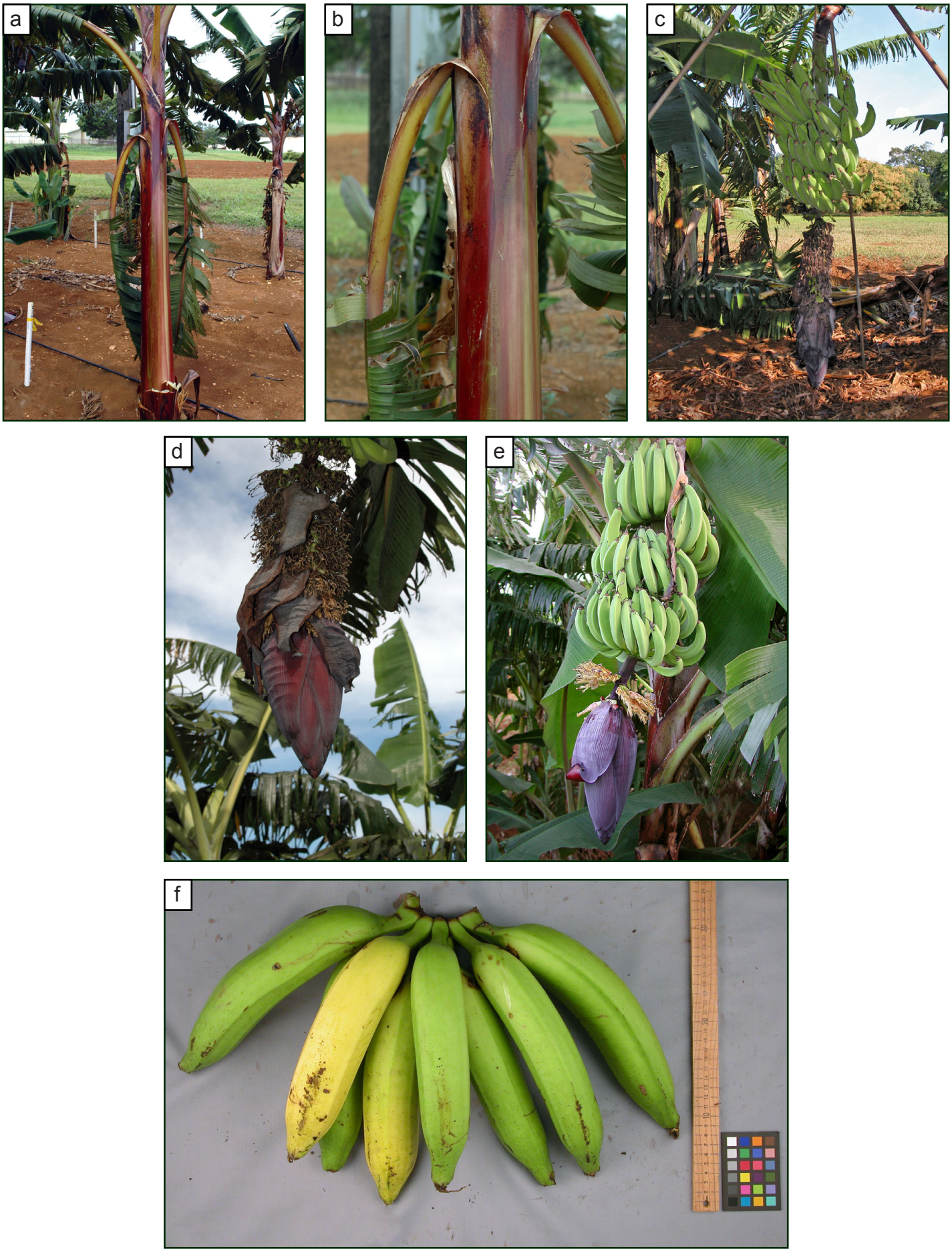
Agronomic

Days from plant to harvest	-
Days from flower to harvest	100.2
Plant diameter (cm)	16.7
Plant height (m)	3.6
Plant leaves at flowering	14.8
Plant leaves at harvest	13.5
Net bunch weight (kg)	24.2
Number of hands	6.9
Number of fruits	81
Pseudostem color	Red
Propagating suckers at harvest	5
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.270	0.175
Fruits per hand	12.4	11
Fruit width (mm)	46.6	42.1
Fruit length (cm)	27.7	25.2

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 16512 - 'Chinga'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Third hand

TARS 16506 - 'Colombian Dwarf'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Colombia

Curator notes: Dwarf true plantain; false-horn type bunch.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

Agronomic

Days from plant to harvest	-
Days from flower to harvest	90.9
Plant diameter (cm)	16.7
Plant height (m)	2.5
Plant leaves at flowering	14.9
Plant leaves at harvest	12.7
Net bunch weight (kg)	16.4
Number of hands	7.6
Number of fruits	46.7
Pseudostem color	Green
Propagating suckers at harvest	5.2
Bunch phenotype	False-horn
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.333	0.247
Fruits per hand	7.3	2.4
Fruit width (mm)	48.7	45.3
Fruit length (cm)	27.2	25.3

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 16506 - 'Colombian Dwarf'

a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Plantain (AAB)

TARS 16505 - 'Common Dwarf'

Plantain (AAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Puerto Rico

Curator notes: Dwarf true plantain; false-horn type bunch.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

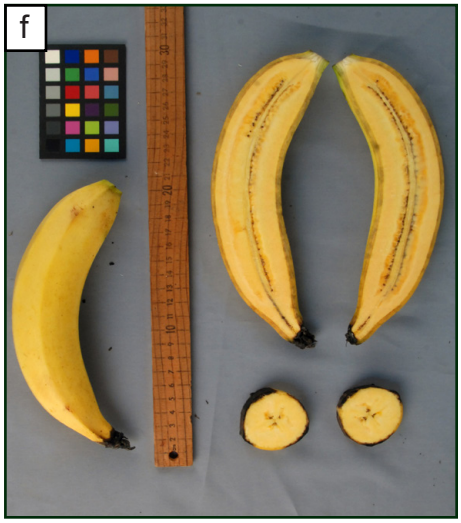
Agronomic

Days from plant to harvest	-
Days from flower to harvest	98
Plant diameter (cm)	18.2
Plant height (m)	2.5
Plant leaves at flowering	14.2
Plant leaves at harvest	12.6
Net bunch weight (kg)	20.4
Number of hands	8.1
Number of fruits	50.1
Pseudostem color	Green
Propagating suckers at harvest	5.9
Bunch phenotype	False-horn
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.322	0.216
Fruits per hand	7.8	2.3
Fruit width (mm)	46.9	-
Fruit length (cm)	26.2	-

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 16505 - 'Common Dwarf'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Plantain (AAB)

TARS 16510 - 'Common Harton'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 35984); NCGRP

Donated to TARS: Unknown

Donors: Puerto Rico

Curator notes: True plantain; false-horn type bunch.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

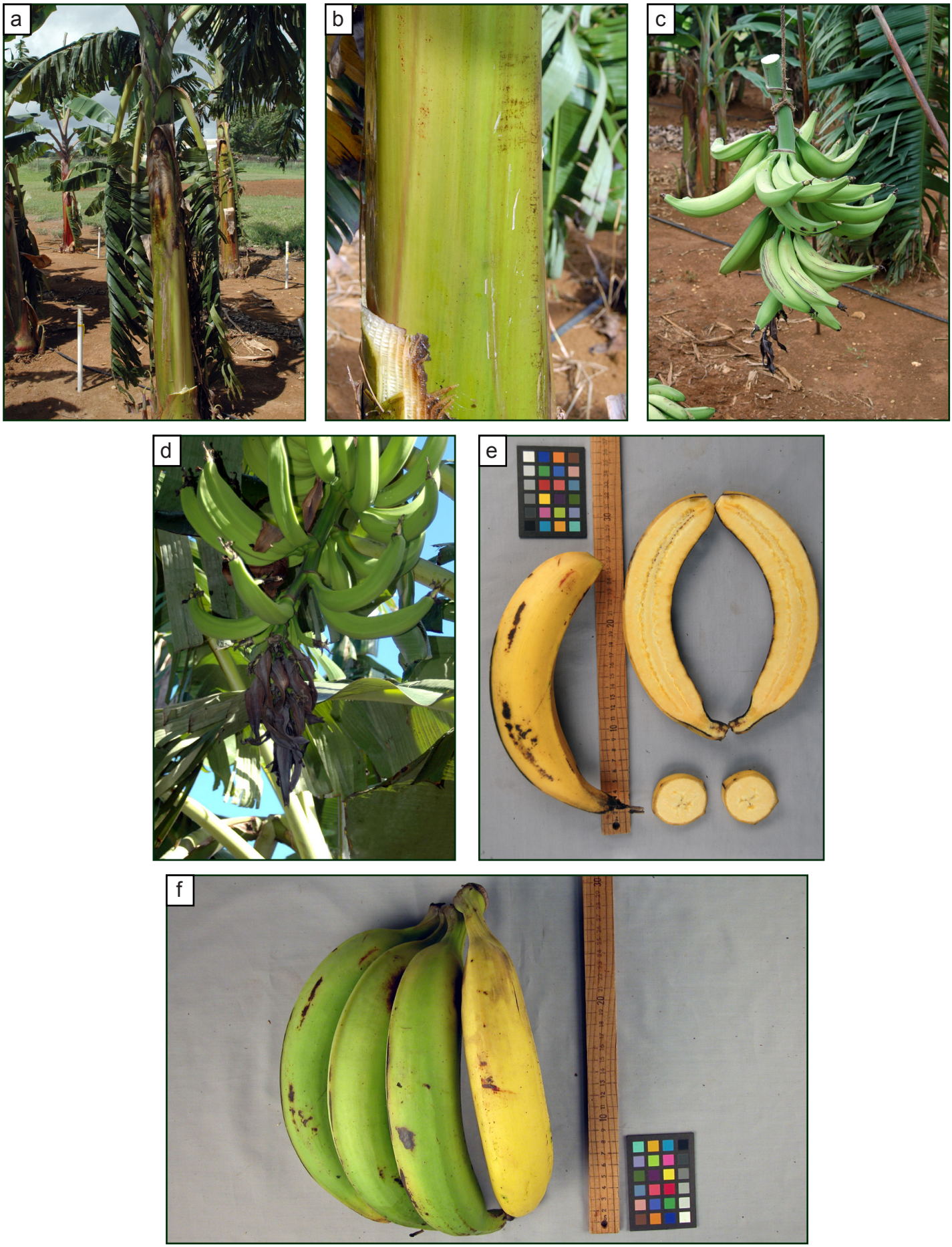
Agronomic

Days from plant to harvest	-
Days from flower to harvest	97.5
Plant diameter (cm)	17.6
Plant height (m)	3.6
Plant leaves at flowering	13.9
Plant leaves at harvest	13.0
Net bunch weight (kg)	18.0
Number of hands	5.7
Number of fruits	28.4
Pseudostem color	Green
Propagating suckers at harvest	5.9
Bunch phenotype	False-horn
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.625	0.475
Fruits per hand	5.3	3.3
Fruit width (mm)	57.4	54.9
Fruit length (cm)	33.3	31.9

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 16510 - 'Common Harton'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 16513 - 'Congo-300'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 35985); NCGRP

Donated to TARS: Unknown

Donors: Unknown

Curator notes: True plantain; false-horn type bunch; from whence the 'Maricongo' sport was selected.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

Agronomic

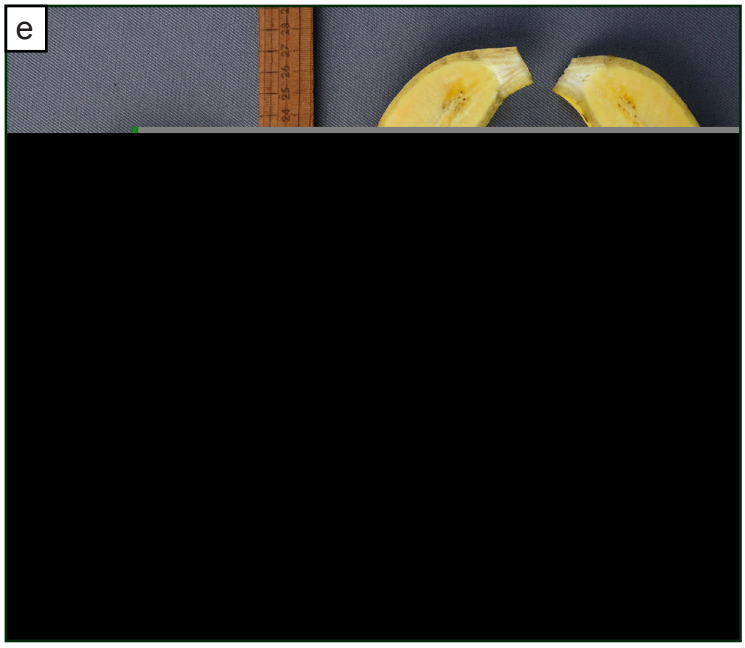
Days from plant to harvest	-
Days from flower to harvest	88
Plant diameter (cm)	25.2
Plant height (m)	4.5
Plant leaves at flowering	14.6
Plant leaves at harvest	12.9
Net bunch weight (kg)	26.8
Number of hands	10.2
Number of fruits	152.3
Pseudostem color	Red
Propagating suckers at harvest	6.8
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.172	0.0927
Fruits per hand	16.3	11.0
Fruit width (mm)	39.0	33.7
Fruit length (cm)	24.0	21.1

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 16513 - 'Congo-300'

c



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Plantain (AAB)

TARS 17179 - 'Corozal Selection 25'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Puerto Rico

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Corozal, Puerto Rico

Curator notes: True plantain; false-horn type bunch; local selection made by collaborators at the UPR- Corozal substation.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	339	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

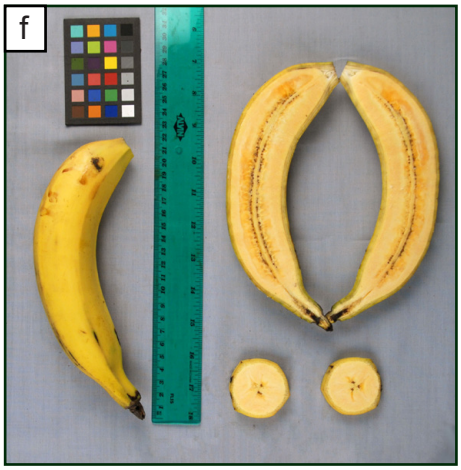
Agronomic

Days from plant to harvest	-
Days from flower to harvest	102.8
Plant diameter (cm)	17.1
Plant height (m)	3.6
Plant leaves at flowering	14.1
Plant leaves at harvest	12.6
Net bunch weight (kg)	21.8
Number of hands	7.4
Number of fruits	54.3
Pseudostem color	Green
Propagating suckers at harvest	4.8
Bunch phenotype	False-horn
Economic Importance	Cooking
BLS Reactor	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.393	0.298
Fruits per hand	8.5	4.1
Fruit width (mm)	51.9	50.0
Fruit length (cm)	28.8	27.6

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17179 - 'Corozal Selection 25'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

TARS 16508 - 'Dominican Dwarf'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Dominican Republic

Curator notes: Dwarf true plantain; false horn type bunch.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

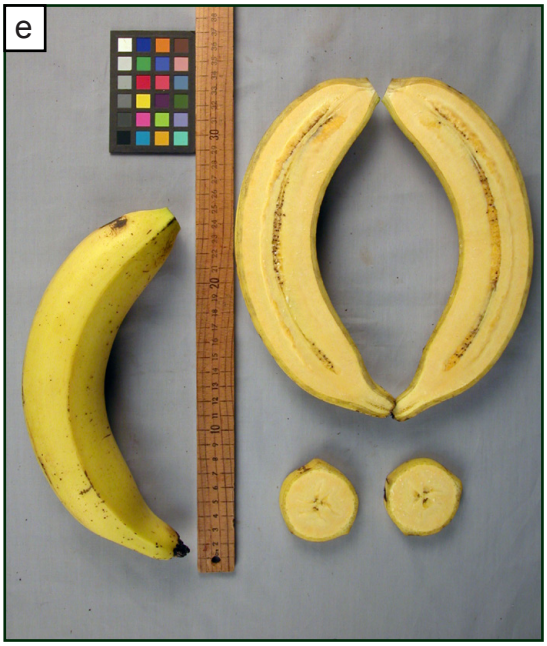
Agronomic

Days from plant to harvest	-
Days from flower to harvest	100.1
Plant diameter (cm)	17.6
Plant height (m)	2.7
Plant leaves at flowering	14.3
Plant leaves at harvest	12.8
Net bunch weight (kg)	19.6
Number of hands	8.2
Number of fruits	50.8
Pseudostem color	Green
Propagating suckers at harvest	4.8
Bunch phenotype	False-horn
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.376	0.298
Fruits per hand	8.1	3.1
Fruit width (mm)	50.0	48.3
Fruit length (cm)	28.4	27.2

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 16508 - 'Dominican Dwarf'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17180 - 'Dominico Harton'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 35986); NCGRP

Donated to TARS: Unknown

Donors: Colombia

Curator notes: True plantain; false horn type bunch.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

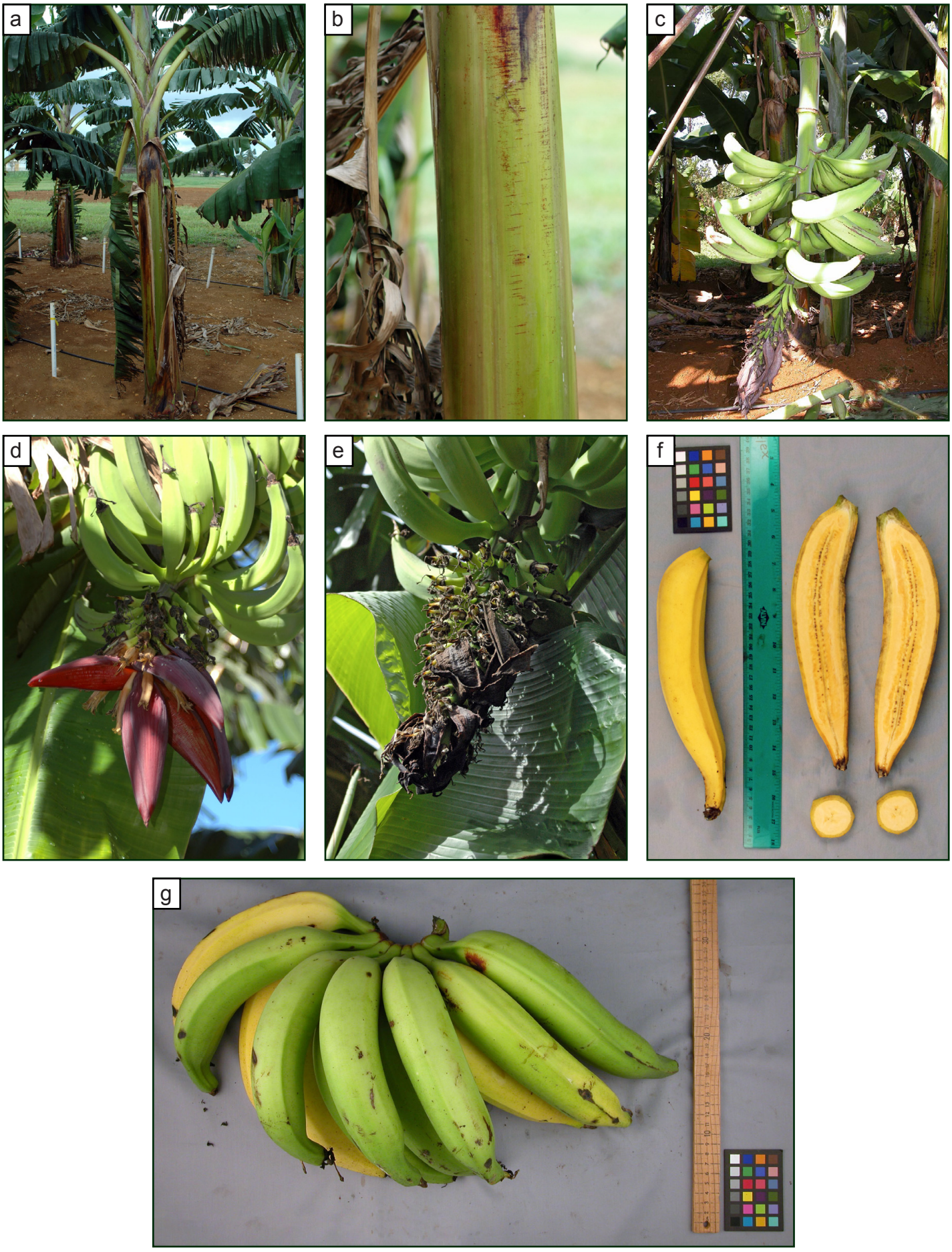
Agronomic

Days from plant to harvest	-
Days from flower to harvest	104.7
Plant diameter (cm)	17.3
Plant height (m)	3.7
Plant leaves at flowering	14.5
Plant leaves at harvest	11.4
Net bunch weight (kg)	24.2
Number of hands	7.6
Number of fruits	53.6
Pseudostem color	Green
Propagating suckers at harvest	4.8
Bunch phenotype	False-horn
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.441	0.291
Fruits per hand	8	2.7
Fruit width (mm)	54.6	51.6
Fruit length (cm)	30.2	28.7

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17180 - 'Dominico Harton'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

TARS 16507 - 'Dwarf superplantain'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 35987); NCGRP

Donated to TARS: Unknown

Donors: Puerto Rico

Curator notes: Dwarf true plantain; French type bunch.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

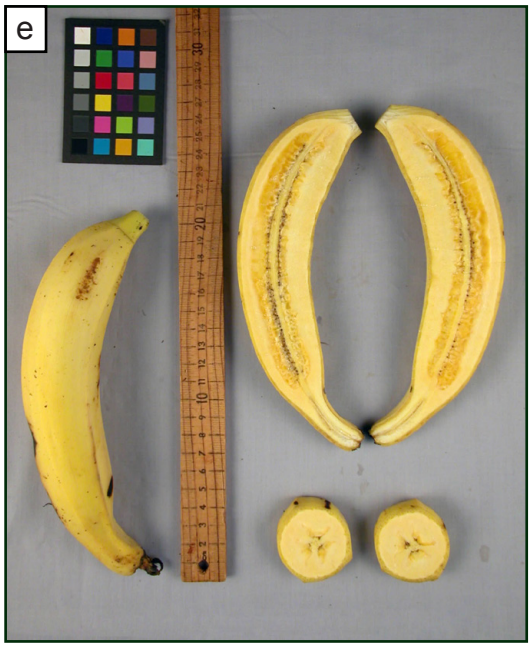
Agronomic

Days from plant to harvest	-
Days from flower to harvest	100.7
Plant diameter (cm)	17.7
Plant height (m)	2.5
Plant leaves at flowering	13.9
Plant leaves at harvest	12.0
Net bunch weight (kg)	22.6
Number of hands	7.9
Number of fruits	102.3
Pseudostem color	Red
Propagating suckers at harvest	4.3
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.224	0.121
Fruits per hand	13.8	11
Fruit width (mm)	45.2	42.4
Fruit length (cm)	26.7	25.2

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 16507 - 'Dwarf superplantain'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17813 - 'False-horn Dominican Red'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Dominican Republic

Curator notes: True plantain; false-horn type bunch; red pseudostem.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

Agronomic

Days from plant to harvest	-
Days from flower to harvest	102.3
Plant diameter (cm)	17.4
Plant height (m)	3.5
Plant leaves at flowering	13.3
Plant leaves at harvest	11.9
Net bunch weight (kg)	25.5
Number of hands	7.8
Number of fruits	59.5
Pseudostem color	Red
Propagating suckers at harvest	6.1
Bunch phenotype	False-horn
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.411	0.280
Fruits per hand	8.4	4.2
Fruit width (mm)	52.3	50.3
Fruit length (cm)	30.7	29.0

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17813 - 'False-horn Dominican Red'

a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17825 - 'French Dwarf'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Unknown

Curator notes: Dwarf true plantain; French-type bunch.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

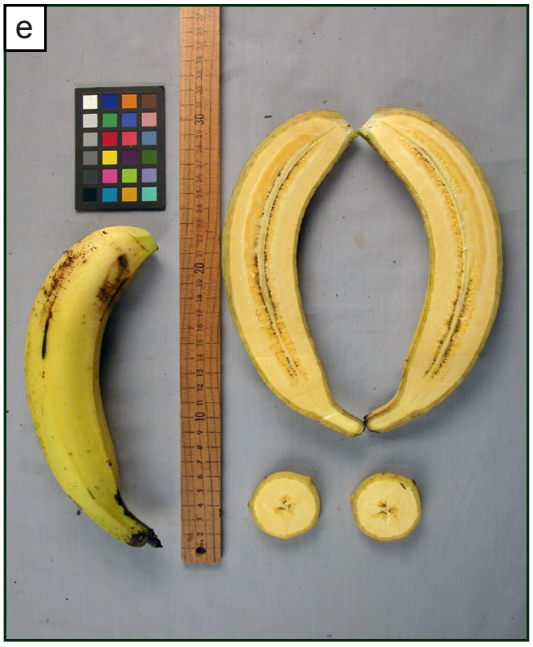
Agronomic

Days from plant to harvest	381
Days from flower to harvest	110
Plant diameter (cm)	17.5
Plant height (m)	2.2
Plant leaves at flowering	13.5
Plant leaves at harvest	8
Net bunch weight (kg)	26.7
Number of hands	8.5
Number of fruits	131
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	14.5	14.5
Fruit width (mm)	4.2	3.5
Fruit length (cm)	18.9	15.4

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 17825 - 'French Dwarf'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17816 - 'French-type Dominican Red'

Plantain (AAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Dominican Republic

Curator notes: True plantain; false-horn type bunch; red pseudostem.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

Agronomic

Days from plant to harvest	-
Days from flower to harvest	107.1
Plant diameter (cm)	17.7
Plant height (m)	3.5
Plant leaves at flowering	12.8
Plant leaves at harvest	11.5
Net bunch weight (kg)	28.8
Number of hands	7.2
Number of fruits	57.9
Pseudostem color	Red
Propagating suckers at harvest	4.7
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reactor	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.316	0.192
Fruits per hand	12.6	9.5
Fruit width (mm)	46.9	45.1
Fruit length (cm)	28.6	27.3

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17816 - 'French-type Dominican Red'

a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17814 - 'Harton-Selection Chago'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 35989)

Donated to TARS: Unknown

Donors: Puerto Rico

Curator notes: True plantain; false horn type bunch.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

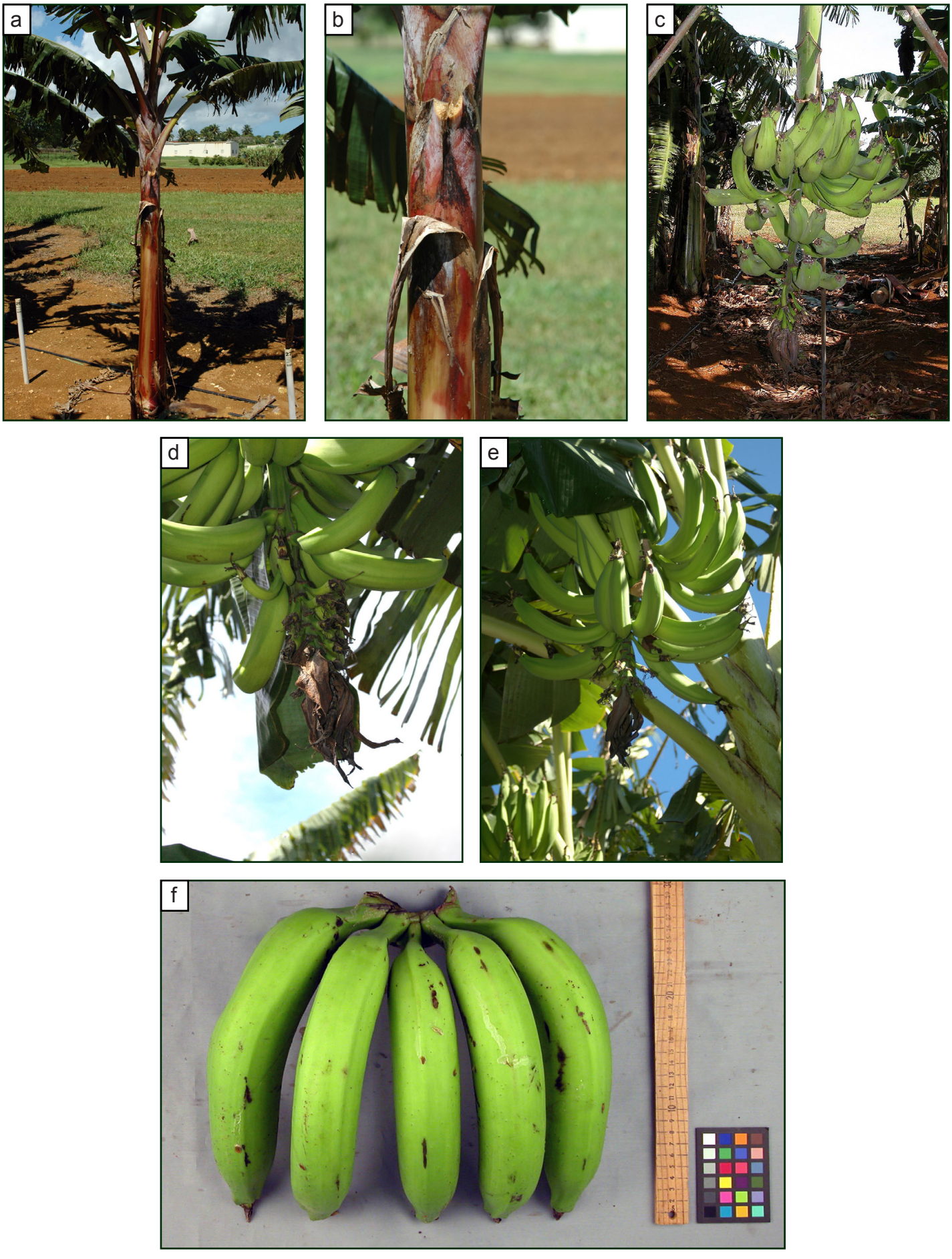
Agronomic

Days from plant to harvest	-
Days from flower to harvest	96.9
Plant diameter (cm)	17.0
Plant height (m)	3.5
Plant leaves at flowering	13.4
Plant leaves at harvest	11.5
Net bunch weight (kg)	15.9
Number of hands	5.5
Number of fruits	28.2
Pseudostem color	Green
Propagating suckers at harvest	5.5
Bunch phenotype	False-horn
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.532	0.472
Fruits per hand	5.4	3.3
Fruit width (mm)	58.0	56.0
Fruit length (cm)	33.6	30.3

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17814 - 'Harton-Selection Chago'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Third hand

TARS 16514 - 'Horn Plantain'

Plantain (AAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 35991); NCGRP

Donated to TARS: Unknown

Donors: Tropical Agriculture Research Service (SIATSA), La Lima, Honduras

Curator notes: True plantain; horn type bunch; only two/three hands with no male flower.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

Agronomic

Days from plant to harvest	-
Days from flower to harvest	87.4
Plant diameter (cm)	16.0
Plant height (m)	3.5
Plant leaves at flowering	13.8
Plant leaves at harvest	12.4
Net bunch weight (kg)	19.6
Number of hands	3
Number of fruits	30.9
Pseudostem color	Green
Propagating suckers at harvest	1.9
Bunch phenotype	True-horn
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.565	0
Fruits per hand	9.8	0
Fruit width (mm)	60.6	0
Fruit length (cm)	30.6	0

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 16514 - 'Horn Plantain'

a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Plantain (AAB)

TARS 16511 - 'Maiden Plantain'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Tropical Agriculture Research Service (SIATSA), La Lima, Honduras

Curator notes: True plantain; French-type bunch; gaining acceptance.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

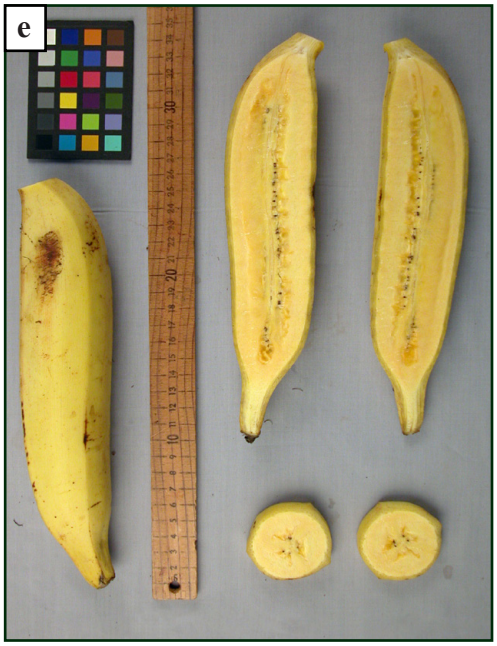
Agronomic

Days from plant to harvest	-`
Days from flower to harvest	112.3
Plant diameter (cm)	17.9
Plant height (m)	3.3
Plant leaves at flowering	13.2
Plant leaves at harvest	11.6
Net bunch weight (kg)	29.6
Number of hands	7.1
Number of fruits	84.1
Pseudostem color	Green
Propagating suckers at harvest	3.9
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.324	0.240
Fruits per hand	13.3	8.7
Fruit width (mm)	47.9	44.5
Fruit length (cm)	27.0	25.2

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 16511 - 'Maiden Plantain'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 16509 - 'Maricongo'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Puerto Rico

Curator notes: True plantain; French type bunch; most widely planted cultivar on the island of Puerto Rico; a shorter sport of 'Congo 300'.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

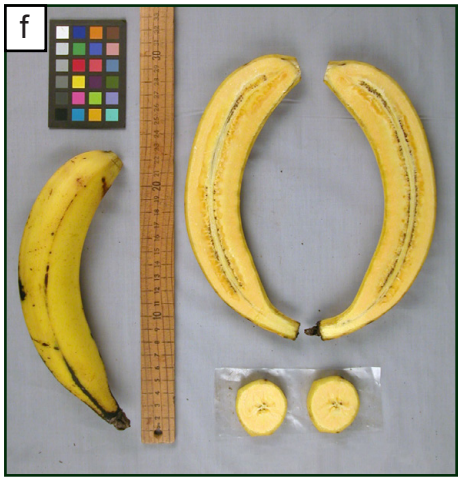
Agronomic

Days from plant to harvest	-
Days from flower to harvest	99.9
Plant diameter (cm)	16.5
Plant height (m)	3.4
Plant leaves at flowering	13.5
Plant leaves at harvest	11.6
Net bunch weight (kg)	21.4
Number of hands	6.8
Number of fruits	42.3
Pseudostem color	Green
Propagating suckers at harvest	4.6
Bunch phenotype	False-horn
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.513	0.378
Fruits per hand	6.5	3.7
Fruit width (mm)	55.9	54.1
Fruit length (cm)	30.4	28.7

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 16509 - 'Maricongo'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

TARS 17815 - 'Tall superplantain'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Plantain - AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 35992); NCGRP

Donated to TARS: Unknown

Donors: Puerto Rico

Curator notes: True plantain; French-type bunch.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	240	248	279
mMaCIR03	101	106	-
mMaCIR07	136	139	152
mMaCIR08	241	-	-
mMaCIR13	246	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	-
mMaCIR40	164	181	-
mMaCIR45	266	269	-
mMaCIR150	237	-	-
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	105	107	-
mMaCIR231	226	230	-
mMaCIR260	190	192	-
mMaCIR264	224	233	241
mMaCIR307	145	149	-
Ma 1-32	227	232	-
Ma 3-90	131	142	147

Agronomic

Days from plant to harvest	-
Days from flower to harvest	102.9
Plant diameter (cm)	17.4
Plant height (m)	3.5
Plant leaves at flowering	12.4
Plant leaves at harvest	10.9
Net bunch weight (kg)	25.7
Number of hands	7.4
Number of fruits	91.8
Pseudostem color	Red
Propagating suckers at harvest	3.8
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	0.267	0.135
Fruits per hand	12.9	9.2
Fruit width (mm)	43.7	40.0
Fruit length (cm)	26.6	25.2

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17815 - 'Tall superplantain'

a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18024 - 'Monthan'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Monthan - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 34906)

Donated to TARS: February 18, 1998

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Unique fruit set down close to male flower bud end; large heavy bunches, bottle-necked fruit.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	252	290	-
mMaCIR03	100	-	-
mMaCIR07	136	139	145
mMaCIR08	241	-	-
mMaCIR13	246	251	265
mMaCIR24	222	228	-
mMaCIR27	217	-	-
mMaCIR39	315	336	-
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	239	241	243
mMaCIR152	163	176	-
mMaCIR164	278	387	-
mMaCIR196	159	162	-
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	190	206	-
mMaCIR264	224	243	-
mMaCIR307	315	336	-
Ma 1-32	221	227	-
Ma 3-90	131	142	144

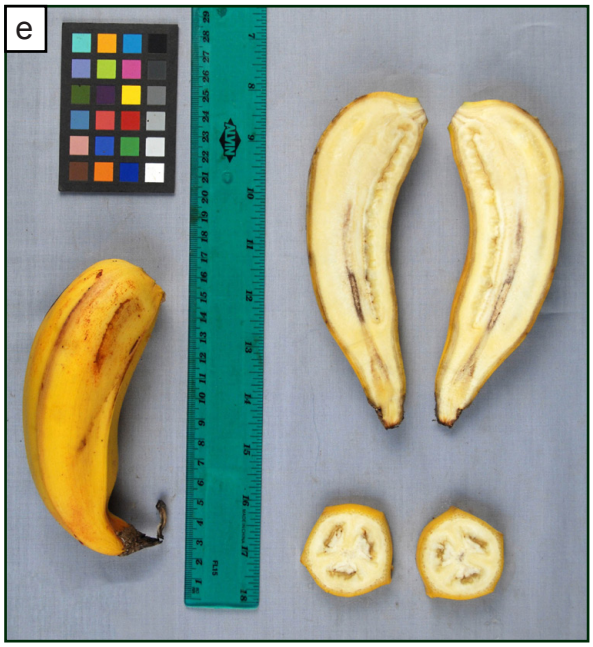
Agronomic

Days from plant to harvest	-
Days from flower to harvest	87
Plant diameter (cm)	15.4
Plant height (m)	3.4
Plant leaves at flowering	14
Plant leaves at harvest	5
Net bunch weight (kg)	13.96
Number of hands	11
Number of fruits	122
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	11.5	11
Fruit width (mm)	4.1	2.9
Fruit length (cm)	17.1	11.9

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18024 - 'Monthan'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18019 - 'Bom'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Pisang Awak - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 34907)

Donated to TARS: October 25, 2006

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Very similar to the other Pisang Awak subgroup accessions.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	252	281	290
mMaCIR03	100	103	-
mMaCIR07	150	151	-
mMaCIR08	245	-	-
mMaCIR13	251	265	269
mMaCIR24	228	-	-
mMaCIR27	223	-	-
mMaCIR39	309	336	341
mMaCIR40	160	-	-
mMaCIR45	257	-	-
mMaCIR150	237	239	241
mMaCIR152	141	160	163
mMaCIR164	296	380	-
mMaCIR196	155	159	-
mMaCIR214	100	103	105
mMaCIR231	224	230	234
mMaCIR260	192	-	-
mMaCIR264	224	227	-
mMaCIR307	143	149	-
Ma 1-32	221	-	-
Ma 3-90	131	144	149

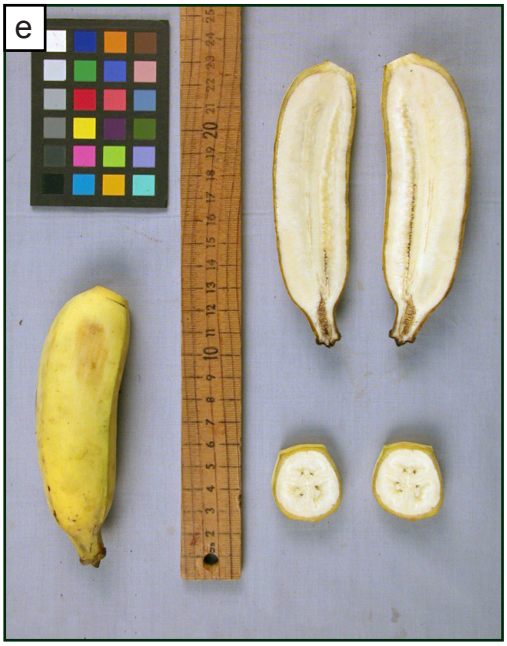
Agronomic

Days from plant to harvest	-
Days from flower to harvest	-
Plant diameter (cm)	-
Plant height (m)	-
Plant leaves at flowering	-
Plant leaves at harvest	-
Net bunch weight (kg)	-
Number of hands	-
Number of fruits	-
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	-	-
Fruit width (mm)	-	-
Fruit length (cm)	-	-

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18019 - 'Bom'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Pisang Awak (ABB)

TARS 18022 - 'Fougamou 1'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Pisang Awak - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 34919)

Donated to TARS: October 25, 2006

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Very similar to the other Pisang Awak subgroup accessions; shorter than the other two accessions.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	252	281	290
mMaCIR03	100	103	-
mMaCIR07	150	151	-
mMaCIR08	245	-	-
mMaCIR13	251	265	269
mMaCIR24	228	-	-
mMaCIR27	223	-	-
mMaCIR39	309	336	341
mMaCIR40	160	-	-
mMaCIR45	257	-	-
mMaCIR150	237	239	241
mMaCIR152	141	160	163
mMaCIR164	296	380	-
mMaCIR196	155	159	-
mMaCIR214	100	103	105
mMaCIR231	224	230	234
mMaCIR260	192	-	-
mMaCIR264	224	227	-
mMaCIR307	143	149	-
Ma 1-32	221	-	-
Ma 3-90	131	144	149

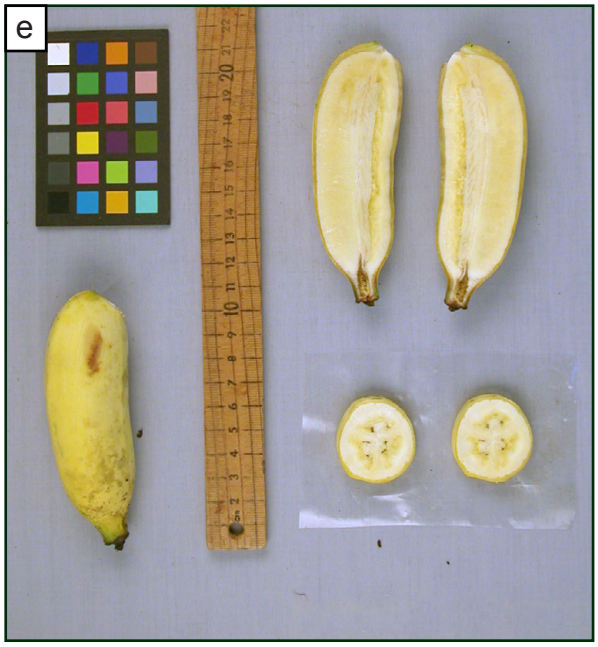
Agronomic

Days from plant to harvest	381
Days from flower to harvest	115
Plant diameter (cm)	20.2
Plant height (m)	3.4
Plant leaves at flowering	15.5
Plant leaves at harvest	9.5
Net bunch weight (kg)	22.92
Number of hands	10
Number of fruits	171
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	17	16
Fruit width (mm)	4	4
Fruit length (cm)	12.8	11.4

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18022 - 'Fougamou 1'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Pisang Awak (ABB)

TARS 17149 - 'Pisang Awak'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Pisang Awak - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Ducasse

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Popular banana grown in Southeast Asia and in South Florida; cold tolerant.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	252	281	288
mMaCIR03	100	103	106
mMaCIR07	145	150	151
mMaCIR08	245	-	-
mMaCIR13	265	269	-
mMaCIR24	228	-	-
mMaCIR27	223	-	-
mMaCIR39	309	336	341
mMaCIR40	160	-	-
mMaCIR45	257	259	-
mMaCIR150	237	239	241
mMaCIR152	141	163	-
mMaCIR164	278	296	380
mMaCIR196	145	155	161
mMaCIR214	100	103	105
mMaCIR231	224	230	234
mMaCIR260	192	-	-
mMaCIR264	224	227	-
mMaCIR307	143	149	-
Ma 1-32	221	237	-
Ma 3-90	144	149	-

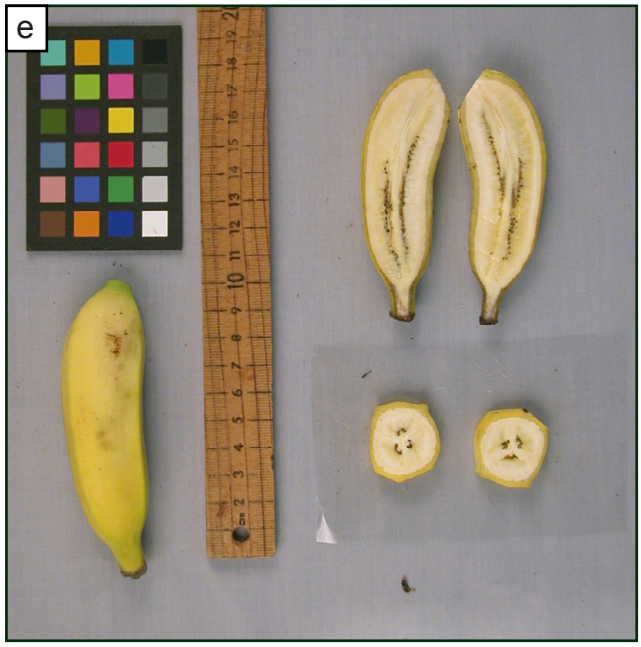
Agronomic

Days from plant to harvest	351
Days from flower to harvest	106
Plant diameter (cm)	23.3
Plant height (m)	4.5
Plant leaves at flowering	17.4
Plant leaves at harvest	9.7
Net bunch weight (kg)	20.1
Number of hands	12.7
Number of fruits	208.6
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	1.8	1.3
Fruits per hand	17.4	18.0
Fruit width (mm)	33.6	30.4
Fruit length	=14.4	12.6

*Data from Exp. #2- Banana evaluation (see introduction)

TARS 17149 - 'Pisang Awak'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Pisang Awak (ABB)

TARS 17822 - 'Cardaba'

Saba (ABB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Saba - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Saba

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Tropical Agriculture Research Service (SIATSA), La Lima, Honduras

Curator notes: Cooking banana; very resistant to pests and diseases.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	242	290	-
mMaCIR03	100	106	-
mMaCIR07	136	139	145
mMaCIR08	241	-	-
mMaCIR13	251	265	269
mMaCIR24	222	228	-
mMaCIR27	217	-	-
mMaCIR39	334	336	-
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	237	-	-
mMaCIR152	163	176	-
mMaCIR164	278	286	387
mMaCIR196	151	159	169
mMaCIR214	103	105	-
mMaCIR231	230	232	-
mMaCIR260	190	206	-
mMaCIR264	224	249	-
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	142	144	-

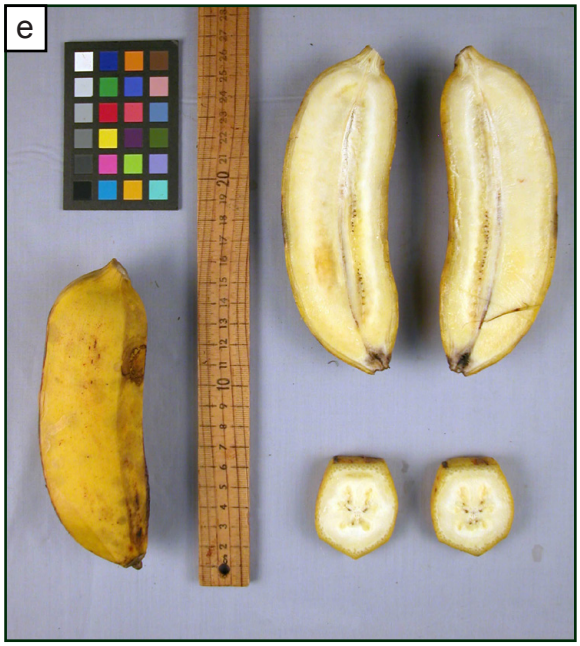
Agronomic

Days from plant to harvest	-
Days from flower to harvest	129.4
Plant diameter (cm)	16.5
Plant height (m)	3
Plant leaves at flowering	16.9
Plant leaves at harvest	15.6
Net bunch weight (kg)	21.9
Number of hands	6.3
Number of fruits	74.9
Pseudostem color	Pale Green
Propagating suckers at harvest	5.9
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	0.267	0.218
Fruits per hand	13.1	7.4
Fruit width (mm)	48.8	47.2
Fruit length (cm)	18.5	16.8

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17822 - 'Cardaba'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe Fruit; f. Third hand

TARS 17132 - 'Pisang Siguatepeque'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Saba - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: The largest accessions in the collection with extremely large pseudostem; resistant to most pests and diseases; cooking banana.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	248	279	290
mMaCIR03	100	106	-
mMaCIR07	136	145	152
mMaCIR08	241	-	-
mMaCIR13	246	269	-
mMaCIR24	220	228	-
mMaCIR27	217	-	-
mMaCIR39	315	336	-
mMaCIR40	162	-	-
mMaCIR45	257	266	-
mMaCIR150	237	241	243
mMaCIR152	141	163	176
mMaCIR164	286	294	-
mMaCIR196	159	163	-
mMaCIR214	103	105	-
mMaCIR231	224	230	234
mMaCIR260	186	190	-
mMaCIR264	224	243	-
mMaCIR307	145	149	-
Ma 1-32	221	-	-
Ma 3-90	131	142	144

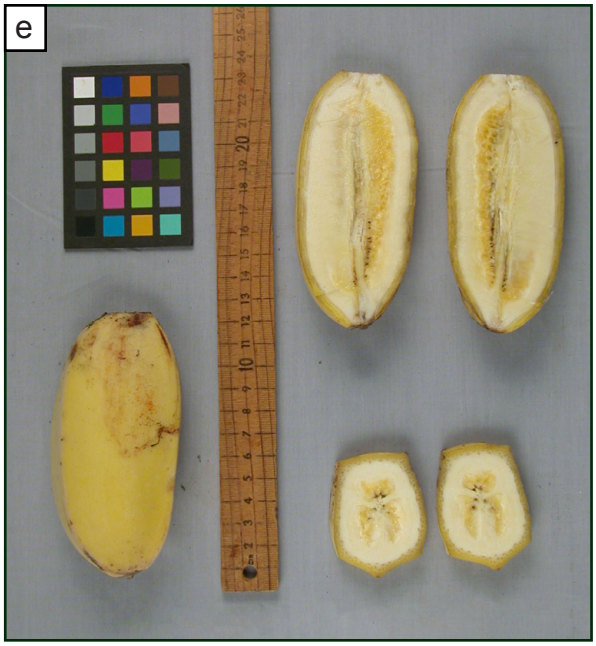
Agronomic

Days from plant to harvest	493
Days from flower to harvest	183
Plant diameter (cm)	29.7
Plant height (m)	5.2
Plant leaves at flowering	15.2
Plant leaves at harvest	9.1
Net bunch weight (kg)	17.0
Number of hands	10.0
Number of fruits	178.6
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	1.9	1.2
Fruits per hand	18.2	17.0
Fruit width (mm)	30.9	28.9
Fruit length (cm)	13.6	11.3

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17132 - 'Pisang Siguatepeque'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17173 - 'Praying Hands'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Saba - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Benedetta

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: February, 1991

Donors: Dr. Pabón (local grower)

Curator notes: Also known as 'Benedetta' because of the two fused hands appearing to 'pray'; unique hardy plant; cooking banana.

Genetic (SSR)

Marker		Alleles	
mMaCIR01	248	279	-
mMaCIR03	100	106	-
mMaCIR07	136	152	-
mMaCIR08	241	-	-
mMaCIR13	246	269	-
mMaCIR24	220	228	-
mMaCIR27	217	-	-
mMaCIR39	315	336	-
mMaCIR40	162	-	-
mMaCIR45	257	266	-
mMaCIR150	237	241	243
mMaCIR152	141	176	-
mMaCIR164	294	387	-
mMaCIR196	159	162	-
mMaCIR214	103	105	-
mMaCIR231	224	230	234
mMaCIR260	186	190	-
mMaCIR264	224	243	-
mMaCIR307	145	149	-
Ma 1-32	221	-	-
Ma 3-90	131	142	-

Agronomic

Days from plant to harvest	345
Days from flower to harvest	117
Plant diameter (cm)	21.0
Plant height (m)	4.2
Plant leaves at flowering	14.9
Plant leaves at harvest	9.4
Net bunch weight (kg)	18.6
Number of hands	7.6
Number of fruits	146.9
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	2.6	1.8
Fruits per hand	19.0	19.0
Fruit width (mm)	27.3	24.4
Fruit length (cm)	16.1	14.1

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17173 - 'Praying Hands'

a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18018 - 'Blue Torres Strait Island'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Ney Mannan - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 34918)

Donated to TARS: October 25, 2006

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Blue-colored outside of fruit (waxy); creamy when very ripe.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	252	273	-
mMaCIR03	100	106	-
mMaCIR07	136	139	145
mMaCIR08	241	-	-
mMaCIR13	251	265	269
mMaCIR24	220	228	-
mMaCIR27	217	-	-
mMaCIR39	315	336	-
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	239	241	243
mMaCIR152	160	163	-
mMaCIR164	278	296	387
mMaCIR196	159	162	163
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	190	-	-
mMaCIR264	224	243	-
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	131	142	149

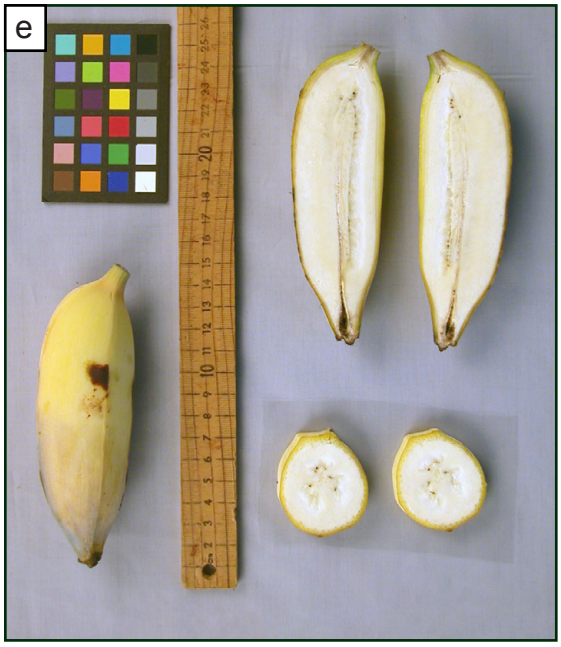
Agronomic

Days from plant to harvest	437
Days from flower to harvest	114
Plant diameter (cm)	15.5
Plant height (m)	3.2
Plant leaves at flowering	11.7
Plant leaves at harvest	6
Net bunch weight (kg)	10.95
Number of hands	7
Number of fruits	92
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	14	14
Fruit width (mm)	4	2.9
Fruit length (cm)	14.8	11.6

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18018 - 'Blue Torres Strait Island'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18063 - 'Pisang Abu Perak'

Ney Mannan (ABB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Ney Mannan - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 34905)

Donated to TARS: February 18, 2009

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Blue-colored outside of fruit (waxy); creamy when very ripe.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	252	273	-
mMaCIR03	100	106	-
mMaCIR07	136	139	145
mMaCIR08	241	-	-
mMaCIR13	251	265	269
mMaCIR24	220	228	-
mMaCIR27	217	-	-
mMaCIR39	315	336	-
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	239	241	243
mMaCIR152	160	163	-
mMaCIR164	278	296	387
mMaCIR196	159	162	163
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	190	-	-
mMaCIR264	224	243	-
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	131	142	149

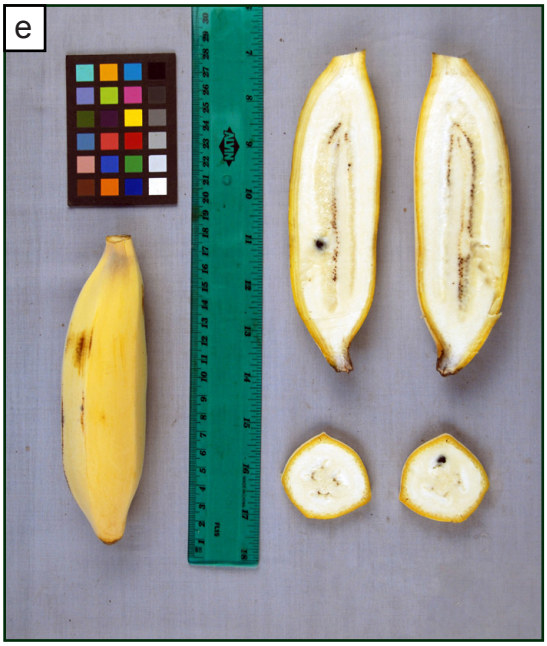
Agronomic

Days from plant to harvest	363
Days from flower to harvest	138
Plant diameter (cm)	17.1
Plant height (m)	3
Plant leaves at flowering	12.5
Plant leaves at harvest	8.3
Net bunch weight (kg)	20.94
Number of hands	7.8
Number of fruits	123
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert/Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	15	15.3
Fruit width (mm)	4.2	4.0
Fruit length (cm)	16.8	14.2

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18063 - 'Pisang Abu Perak'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18020 - 'Cacambou'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Bluggoe - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 34914)

Donated to TARS: October 25, 2006

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Tall cooking banana; susceptible to race 2 of FOC.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	252	290	-
mMaCIR03	100	-	-
mMaCIR07	136	139	145
mMaCIR08	241	-	-
mMaCIR13	246	251	265
mMaCIR24	222	228	-
mMaCIR27	217	-	-
mMaCIR39	315	325	336
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	239	241	243
mMaCIR152	163	176	-
mMaCIR164	278	387	-
mMaCIR196	159	162	-
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	190	206	-
mMaCIR264	224	243	-
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	131	142	144

Agronomic

Days from plant to harvest	410
Days from flower to harvest	73
Plant diameter (cm)	16.5
Plant height (m)	3.6
Plant leaves at flowering	14
Plant leaves at harvest	8
Net bunch weight (kg)	6.5
Number of hands	5
Number of fruits	66
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	12	13
Fruit width (mm)	4.1	3.9
Fruit length (cm)	18.2	16.1

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18020 - 'Cacambou'

a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Bluggoe (ABB)

TARS 17128 - 'Dwarf Chamaluco'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Bluggoe - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Dwarf Bluggoe subgroup; cooking banana; susceptible to race 2 of FOC.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	252	290	-
mMaCIR03	100	-	-
mMaCIR07	136	139	145
mMaCIR08	241	-	-
mMaCIR13	246	251	265
mMaCIR24	222	228	-
mMaCIR27	217	-	-
mMaCIR39	315	325	336
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	239	241	243
mMaCIR152	163	176	-
mMaCIR164	278	387	-
mMaCIR196	159	162	-
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	190	206	-
mMaCIR264	224	243	-
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	131	142	144

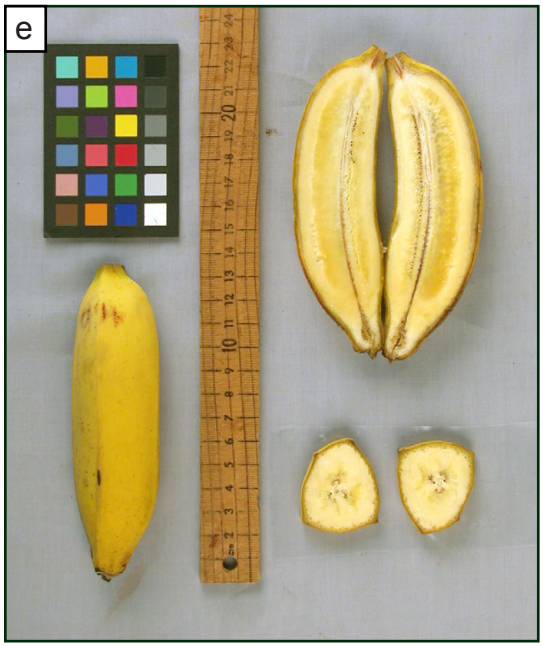
Agronomic

Days from plant to harvest	288
Days from flower to harvest	103
Plant diameter (cm)	15.6
Plant height (m)	2.5
Plant leaves at flowering	14.3
Plant leaves at harvest	10.9
Net bunch weight (kg)	10.0
Number of hands	4.8
Number of fruits	57.9
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	2.1	1.7
Fruits per hand	12.2	12.0
Fruit width (mm)	39.3	38.6
Fruit length (cm)	18.2	16.3

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17128 - 'Dwarf Chamaluco'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17397 - 'Dwarf Orinoco'

Bluggoe (ABB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Bluggoe - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 32474)

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Dwarf Bluggoe subgroup; cooking banana; susceptible to race 2 of FOC.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	252	290	-
mMaCIR03	100	-	-
mMaCIR07	136	139	145
mMaCIR08	241	-	-
mMaCIR13	246	251	265
mMaCIR24	222	228	-
mMaCIR27	217	-	-
mMaCIR39	315	325	336
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	239	241	243
mMaCIR152	163	176	-
mMaCIR164	278	387	-
mMaCIR196	159	162	-
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	190	206	-
mMaCIR264	224	243	-
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	131	142	144

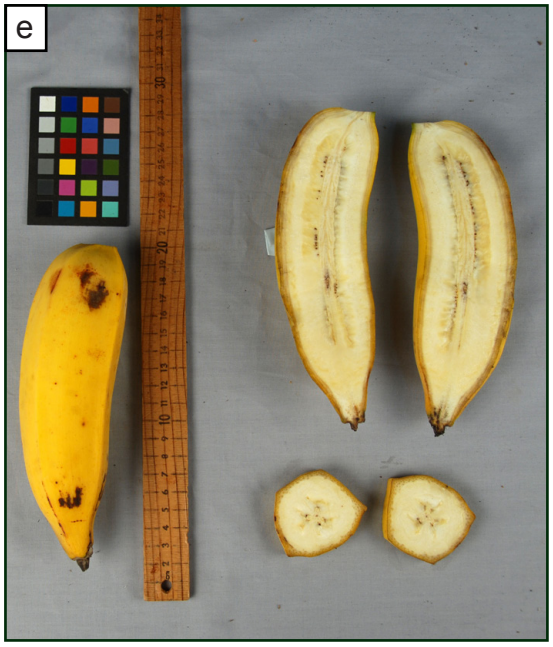
Agronomic

Days from plant to harvest	331
Days from flower to harvest	110
Plant diameter (cm)	15.6
Plant height (m)	2.0
Plant leaves at flowering	15.4
Plant leaves at harvest	11.1
Net bunch weight (kg)	11.2
Number of hands	5.1
Number of fruits	63.0
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	2.2	1.9
Fruits per hand	12.1	12.9
Fruit width (mm)	37.4	37.7
Fruit length (cm)	20.1	16.5

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17397 - 'Dwarf Orinoco'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18023 - 'Gypungusi'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Bluggoe - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 32910)

Donated to TARS: October 25, 2006

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Tall cooking banana; susceptible to race 2 of FOC.

Genetic (SSR)

Marker		Alleles	
mMaCIR01	252	290	-
mMaCIR03	100	-	-
mMaCIR07	136	139	145
mMaCIR08	241	-	-
mMaCIR13	246	251	265
mMaCIR24	222	228	-
mMaCIR27	217	-	-
mMaCIR39	315	325	336
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	239	241	243
mMaCIR152	163	176	-
mMaCIR164	278	387	-
mMaCIR196	159	162	-
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	190	206	-
mMaCIR264	224	243	-
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	131	142	144

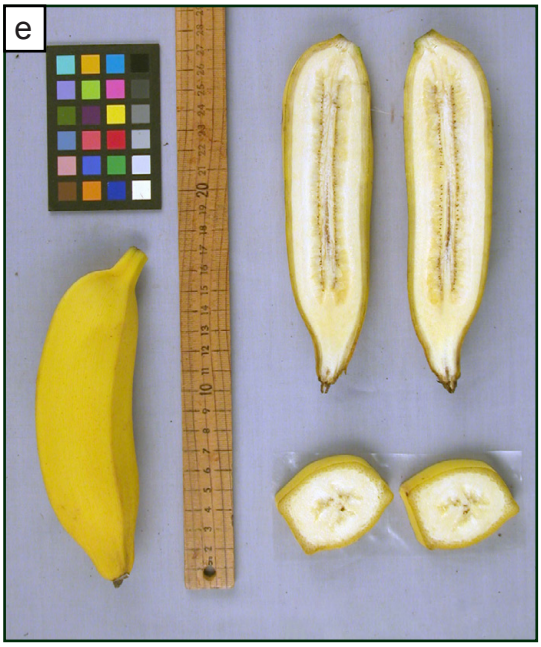
Agronomic

Days from plant to harvest	409
Days from flower to harvest	158
Plant diameter (cm)	16
Plant height (m)	3.3
Plant leaves at flowering	14.5
Plant leaves at harvest	8.5
Net bunch weight (kg)	17.2
Number of hands	5
Number of fruits	61
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	12	12
Fruit width (mm)	5.4	5.3
Fruit length (cm)	21	18.5

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18023 - 'Gypungusi'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Bluggoe (ABB)

TARS 17146 - 'Mafafo de Adjuntas'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Bluggoe - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Tall cooking banana; susceptible to race 2 of FOC.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	252	290	-
mMaCIR03	100	-	-
mMaCIR07	136	139	145
mMaCIR08	241	-	-
mMaCIR13	246	251	265
mMaCIR24	222	228	-
mMaCIR27	217	-	-
mMaCIR39	315	325	336
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	239	241	243
mMaCIR152	163	176	-
mMaCIR164	278	387	-
mMaCIR196	159	162	-
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	190	206	-
mMaCIR264	224	243	-
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	131	142	144

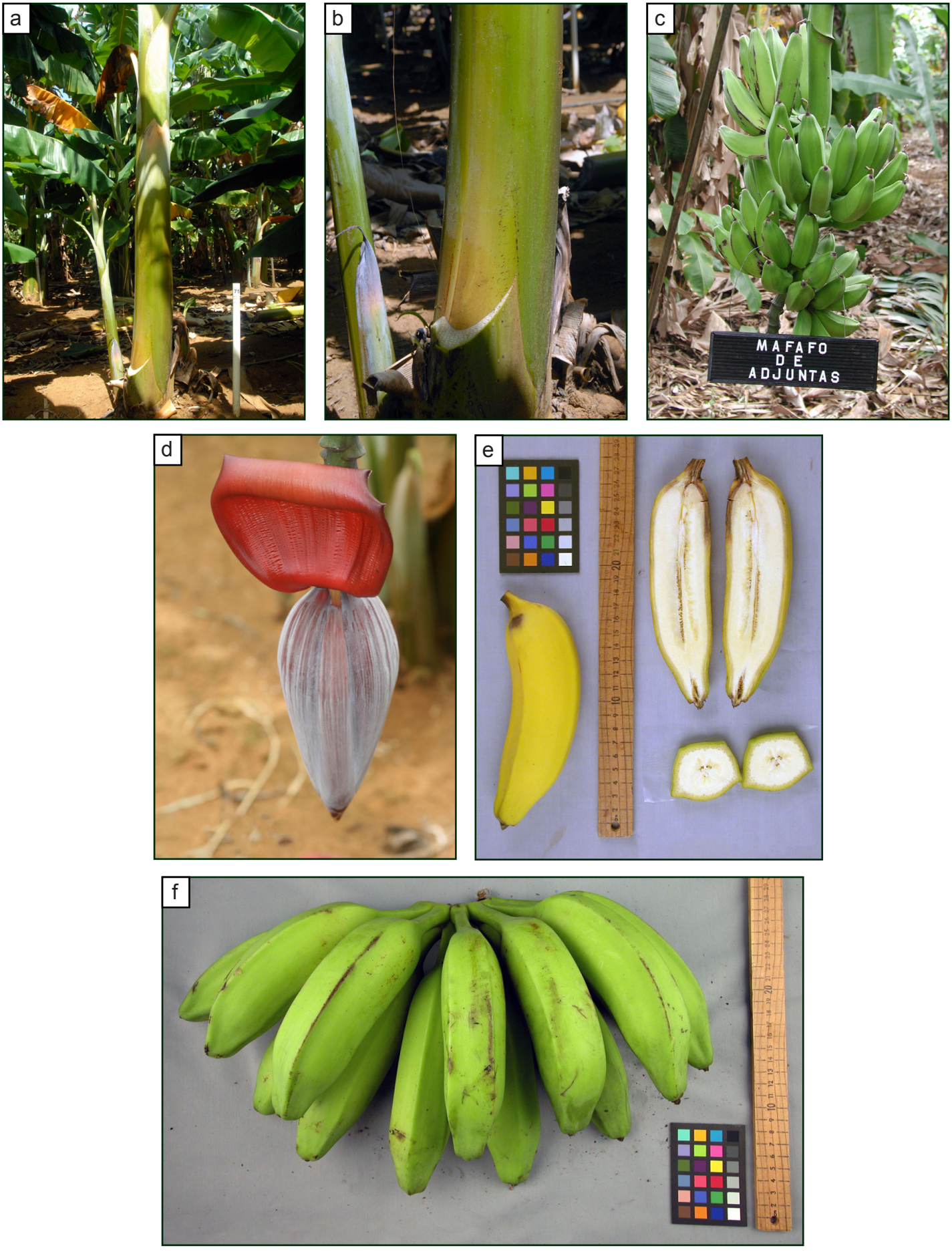
Agronomic

Days from plant to harvest	317
Days from flower to harvest	81
Plant diameter (cm)	17.8
Plant height (m)	3.9
Plant leaves at flowering	13.9
Plant leaves at harvest	10.5
Net bunch weight (kg)	15.3
Number of hands	5.8
Number of fruits	80.1
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	2.8	2.5
Fruits per hand	13.0	13.6
Fruit width (mm)	41.0	38.2
Fruit length (cm)	20.3	18.0

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17146 - 'Mafafo de Adjuntas'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17126 - 'Mafafo de Puerco'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Bluggoe - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Tall cooking banana; susceptible to race 2 of FOC; characteristic russeting and cracking of fruit towards maturity.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	252	290	-
mMaCIR03	100	-	-
mMaCIR07	136	139	145
mMaCIR08	241	-	-
mMaCIR13	246	251	265
mMaCIR24	222	228	-
mMaCIR27	217	-	-
mMaCIR39	315	325	336
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	239	241	243
mMaCIR152	163	176	-
mMaCIR164	278	387	-
mMaCIR196	159	162	-
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	190	206	-
mMaCIR264	224	243	-
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	131	142	144

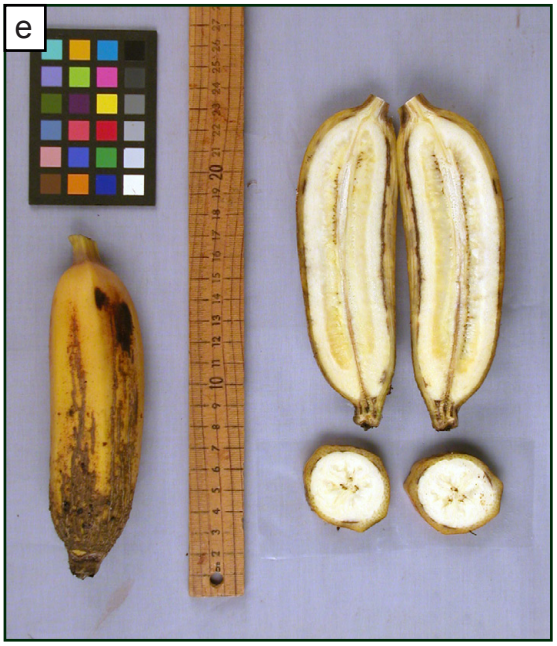
Agronomic

Days from plant to harvest	307
Days from flower to harvest	85
Plant diameter (cm)	17.3
Plant height (m)	4.2
Plant leaves at flowering	14.1
Plant leaves at harvest	10.1
Net bunch weight (kg)	11.8
Number of hands	5.4
Number of fruits	67.3
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	2.1	1.8
Fruits per hand	12.4	12.9
Fruit width (mm)	38.7	36.4
Fruit length (cm)	17.1	15.4

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17126 - 'Mafafo de Puerco'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17133 - 'Mafafo Dominicano'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Bluggoe - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Dwarf Bluggoe subgroup; cooking banana; susceptible to race 2 of FOC.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	252	290	-
mMaCIR03	100	-	-
mMaCIR07	136	139	145
mMaCIR08	241	-	-
mMaCIR13	246	251	265
mMaCIR24	222	228	-
mMaCIR27	217	-	-
mMaCIR39	315	325	336
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	239	241	243
mMaCIR152	163	176	-
mMaCIR164	278	387	-
mMaCIR196	159	162	-
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	190	206	-
mMaCIR264	224	243	-
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	131	142	144

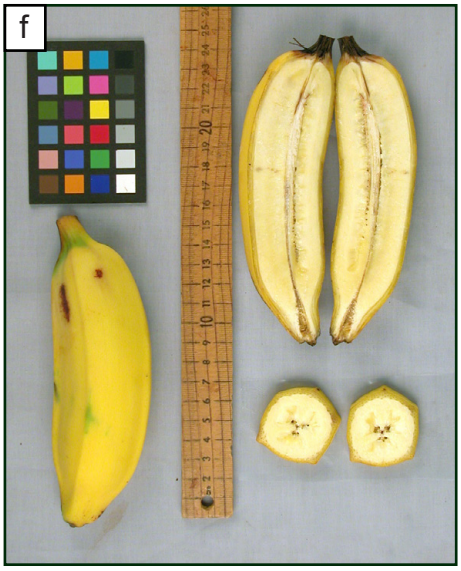
Agronomic

Days from plant to harvest	299
Days from flower to harvest	97
Plant diameter (cm)	15.8
Plant height (m)	2.1
Plant leaves at flowering	15.2
Plant leaves at harvest	10.5
Net bunch weight (kg)	11.5
Number of hands	5.0
Number of fruits	62.5
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	2.2	1.8
Fruits per hand	12.4	12.1
Fruit width (mm)	38.0	38.1
Fruit length (cm)	20.0	16.7

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17133 - 'Mafafo Dominicano'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Bluggoe (ABB)

TARS 17424 - 'Paka'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Bluggoe - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: SHRS (MIA 32612)

Donated to TARS: June, 1994

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Tall cooking banana; very large four-sided fruit; susceptible to race 2 of FOC.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	252	290	-
mMaCIR03	100	-	-
mMaCIR07	136	139	145
mMaCIR08	241	-	-
mMaCIR13	246	251	265
mMaCIR24	222	228	-
mMaCIR27	217	-	-
mMaCIR39	315	325	336
mMaCIR40	162	181	-
mMaCIR45	257	266	-
mMaCIR150	239	241	243
mMaCIR152	163	176	-
mMaCIR164	278	387	-
mMaCIR196	159	162	-
mMaCIR214	103	105	-
mMaCIR231	224	230	-
mMaCIR260	190	206	-
mMaCIR264	224	243	-
mMaCIR307	145	149	-
Ma 1-32	221	227	-
Ma 3-90	131	142	144

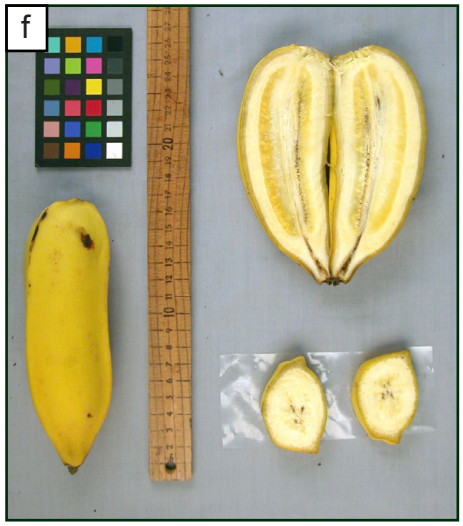
Agronomic

Days from plant to harvest	318
Days from flower to harvest	98
Plant diameter (cm)	17.5
Plant height (m)	4.1
Plant leaves at flowering	13.9
Plant leaves at harvest	8.2
Net bunch weight (kg)	16.8
Number of hands	5.4
Number of fruits	68.3
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	3.0	2.5
Fruits per hand	12.3	13.1
Fruit width (mm)	43.4	40.2
Fruit length (cm)	20.8	17.6

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17424 - 'Paka'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Bluggoe (ABB)

TARS 17819 - 'Pelipita-Colombia'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Pelipita - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: Unknown

Donors: Colombia

Curator notes: Very starchy and therefore must be cooked when ripe; identical to 'Pelipita - Costa Rica'; very robust and resistant to all pests.

Genetic (SSR)

Marker		Alleles	
mMaCIR01	279	290	-
mMaCIR03	99	106	-
mMaCIR07	132	145	156
mMaCIR08	251	-	-
mMaCIR13	265	269	-
mMaCIR24	228	-	-
mMaCIR27	225	-	-
mMaCIR39	334	336	-
mMaCIR40	164	-	-
mMaCIR45	257	-	-
mMaCIR150	237	241	-
mMaCIR152	141	163	176
mMaCIR164	294	296	-
mMaCIR196	155	162	-
mMaCIR214	105	107	108
mMaCIR231	226	234	-
mMaCIR260	186	190	192
mMaCIR264	224	-	-
mMaCIR307	149	-	-
Ma 1-32	221	227	-
Ma 3-90	144	147	-

Agronomic

Days from plant to harvest	-
Days from flower to harvest	126.8
Plant diameter (cm)	18.5
Plant height (m)	3.5
Plant leaves at flowering	18.1
Plant leaves at harvest	16.1
Net bunch weight (kg)	27
Number of hands	8.4
Number of fruits	115.7
Pseudostem color	Pale Green
Propagating suckers at harvest	5.6
Bunch phenotype	French-type
Economic Importance	Cooking/Leaves
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	0.218	0.135
Fruits per hand	14.9	13.0
Fruit width (mm)	43.6	42.0
Fruit length (cm)	17.2	16.3

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17819 - 'Pelipita-Colombia'

a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Pelipita (ABB)

TARS 17818 - 'Pelipita-Costa Rica'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Pelipita - ABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: Unknown

Donors: Costa Rica

Curator notes: Very starchy and therefore must be cooked when ripe; identical to 'Pelipita - Colombia'; very robust and resistant to all pests.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	279	290	-
mMaCIR03	99	106	-
mMaCIR07	132	145	156
mMaCIR08	251	-	-
mMaCIR13	265	269	-
mMaCIR24	228	-	-
mMaCIR27	225	-	-
mMaCIR39	334	336	-
mMaCIR40	164	-	-
mMaCIR45	257	-	-
mMaCIR150	237	241	-
mMaCIR152	141	163	176
mMaCIR164	294	296	-
mMaCIR196	155	162	-
mMaCIR214	105	107	108
mMaCIR231	226	234	-
mMaCIR260	186	190	192
mMaCIR264	224	-	-
mMaCIR307	149	-	-
Ma 1-32	221	227	-
Ma 3-90	144	147	-

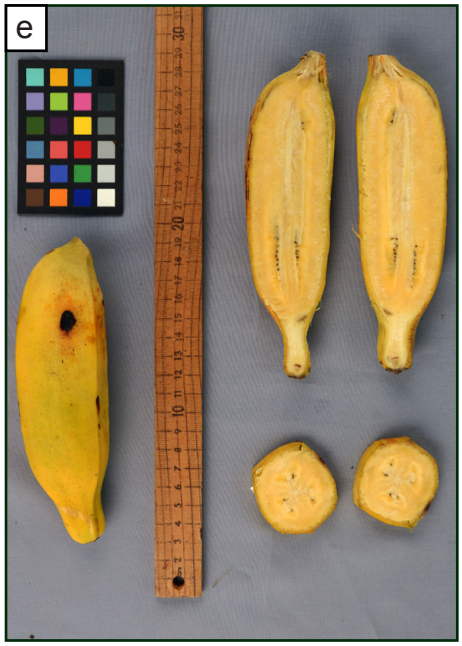
Agronomic

Days from plant to harvest	-
Days from flower to harvest	126.8
Plant diameter (cm)	18.5
Plant height (m)	3.5
Plant leaves at flowering	18.1
Plant leaves at harvest	16.1
Net bunch weight (kg)	20.4
Number of hands	8.1
Number of fruits	104.4
Pseudostem color	Pale Green
Propagating suckers at harvest	5.6
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	0.194	0.117
Fruits per hand	13.1	9.5
Fruit width (mm)	44.5	40.7
Fruit length (cm)	17.0	14.7

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17818 - 'Pelipita-Costa Rica'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Pelipita (ABB)

TARS 17951 - 'Flowering banana'

Taxonomy

Genus: *Musa*

Species/Group: *ornata*

Subspecies/Subgroup:

Section: *Rhodochlamys* (n=11)

General

Synonyms: Ornata

Status: Cultivar/wild

Origin: Unknown

USDA Backup: None

Donated to TARS: Unknown

Donors: Unknown

Curator notes: Ornamental *Musa*; sometimes contains viable seed.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	244	-
mMaCIR03	99	-
mMaCIR07	121	-
mMaCIR08	231	241
mMaCIR13	254	-
mMaCIR24	218	220
mMaCIR27	214	-
mMaCIR39	336	339
mMaCIR40	159	-
mMaCIR45	264	-
mMaCIR150	241	-
mMaCIR152	160	-
mMaCIR164	278	-
mMaCIR196	143	-
mMaCIR214	100	-
mMaCIR231	219	221
mMaCIR260	190	192
mMaCIR264	222	-
mMaCIR307	145	-
Ma 1-32	212	224
Ma 3-90	151	-

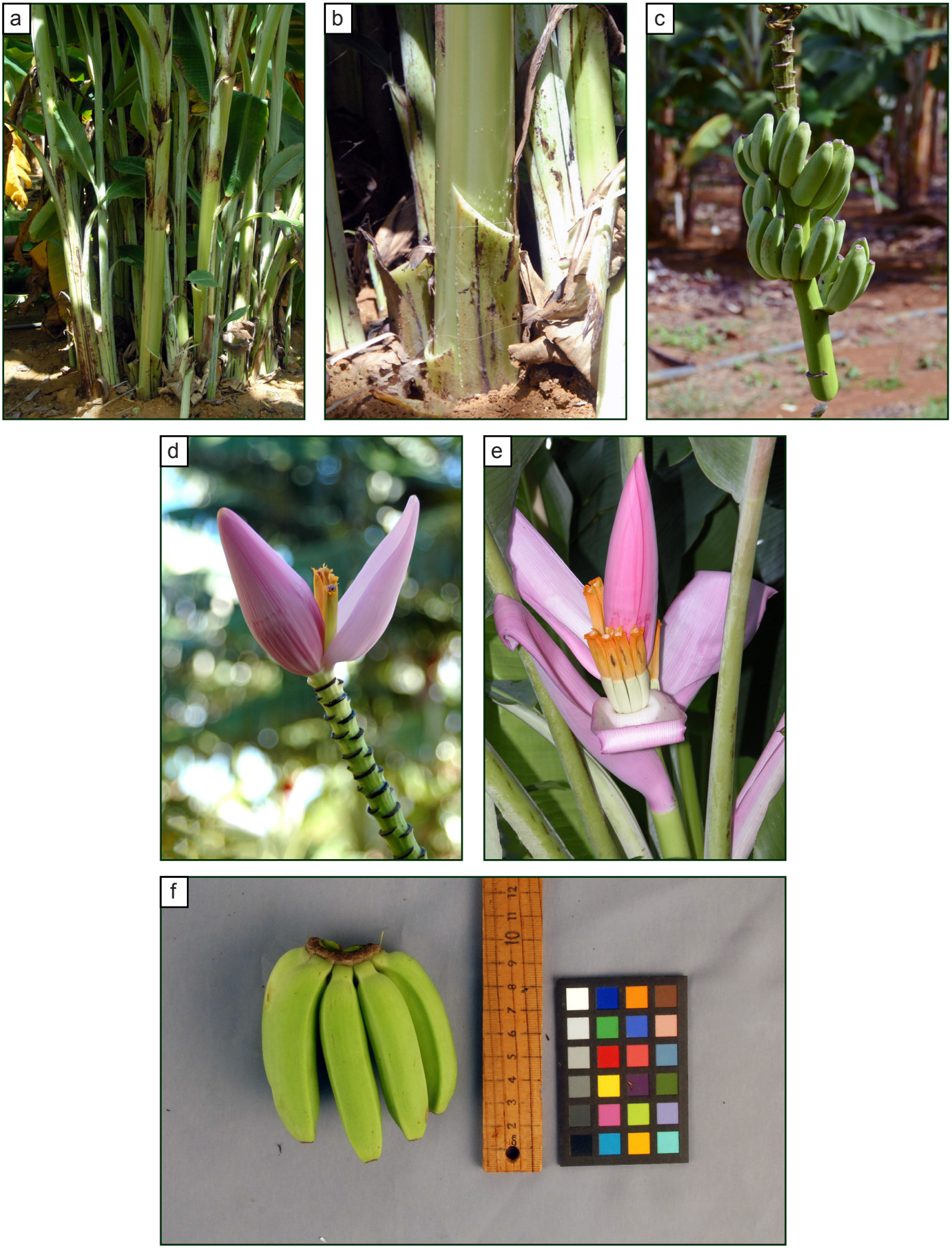
Agronomic

Days from plant to harvest	316
Days from flower to harvest	76
Plant diameter (cm)	4.3
Plant height (m)	1.2
Plant leaves at flowering	8.5
Plant leaves at harvest	5
Net bunch weight (kg)	2.55
Number of hands	4.5
Number of fruits	21
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Ornamental
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	4.5	4.5
Fruit width (mm)	2.4	2.3
Fruit length (cm)	7.5	7

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 17951 - 'Flowering banana'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d, e. Inflorescence; f. Third hand

TARS 18065 - 'Flowering banana'

Taxonomy

Genus: *Musa*

Species/Group: *ornata*

Subspecies/Subgroup:

Section: *Rhodochlamys* (n=11)

General

Synonyms: Ornata; Standard Lavender

Status: Cultivar/wild

Origin: Unknown

USDA Backup: SHRS (MIA 32451)

Donated to TARS: October 25, 2006

Donors: USDA-ARS Subtropical Horticulture Station

Curator notes: Ornamental *Musa* with a bit more showier flower buds than the other M. ornata accession (17951); sometimes contains viable seed.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	228	244
mMaCIR03	99	-
mMaCIR07	150	-
mMaCIR08	231	241
mMaCIR13	254	-
mMaCIR24	218	-
mMaCIR27	222	226
mMaCIR39	329	331
mMaCIR40	159	161
mMaCIR45	264	-
mMaCIR150	241	249
mMaCIR152	157	-
mMaCIR164	278	-
mMaCIR196	143	170
mMaCIR214	100	-
mMaCIR231	219	221
mMaCIR260	195	-
mMaCIR264	214	227
mMaCIR307	145	-
Ma 1-32	212	224
Ma 3-90	151	-

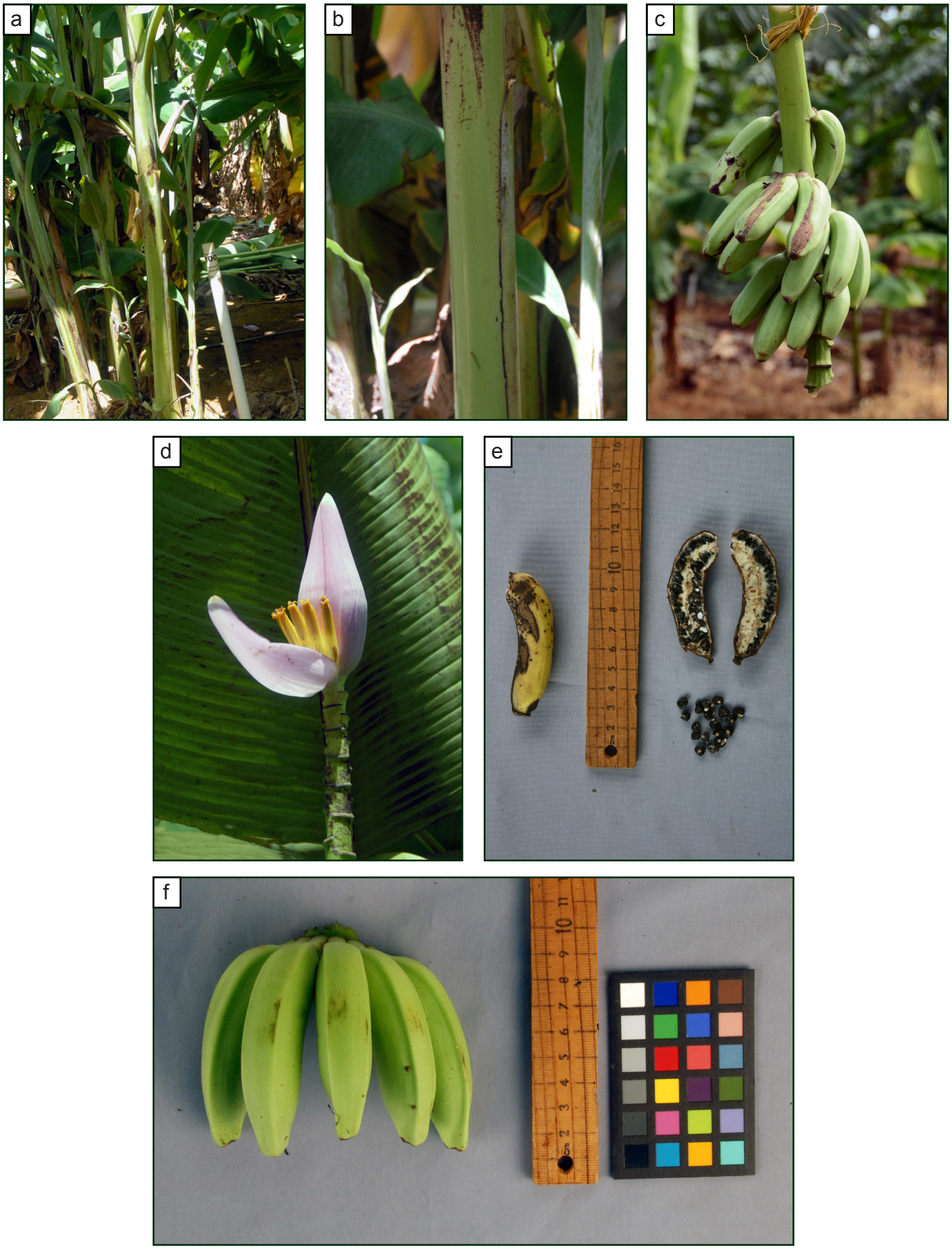
Agronomic

Days from plant to harvest	319
Days from flower to harvest	84
Plant diameter (cm)	3.9
Plant height (m)	1.6
Plant leaves at flowering	9.3
Plant leaves at harvest	6.5
Net bunch weight (kg)	0.38
Number of hands	2.5
Number of fruits	11
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Ornamental
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	4	4
Fruit width (mm)	2.7	2.7
Fruit length (cm)	6	6

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18065 - 'Flowering banana'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18044 - 'Pink banana'

Ornamental

Taxonomy

Genus: *Musa*

Species/Group: *velutina*

Subspecies/Subgroup:

Section: *Rhodochlamys* (n=11)

General

Synonyms: Velvet banana, Hairy banana

Status: Cultivar/wild

Origin: Unknown

USDA Backup: None

Donated to TARS: Unknown

Donors: Unknown

Curator notes: Very ornamental; self peeling at maturity; full of viable seed.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	234	-
mMaCIR03	93	-
mMaCIR07	139	-
mMaCIR08	235	-
mMaCIR13	271	-
mMaCIR24	216	-
mMaCIR27	219	220
mMaCIR39	335	-
mMaCIR40	177	-
mMaCIR45	269	-
mMaCIR150	247	-
mMaCIR152	150	-
mMaCIR164	382	-
mMaCIR196	177	-
mMaCIR214	100	-
mMaCIR231	220	-
mMaCIR260	192	-
mMaCIR264	219	-
mMaCIR307	145	-
Ma 1-32	196	-
Ma 3-90	129	151

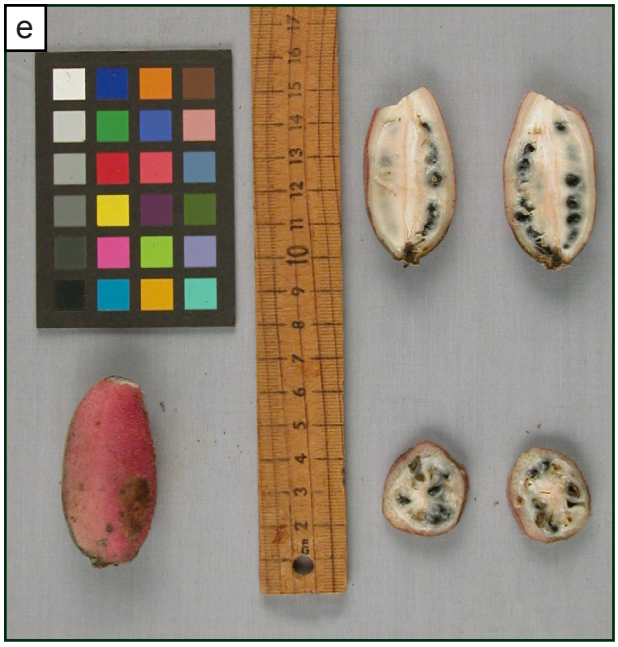
Agronomic

Days from plant to harvest	269
Days from flower to harvest	71
Plant diameter (cm)	2.7
Plant height (m)	0.7
Plant leaves at flowering	6.8
Plant leaves at harvest	3.5
Net bunch weight (kg)	0.58
Number of hands	3.8
Number of fruits	19
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Ornamental
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	4.3	4.5
Fruit width (mm)	2.3	2
Fruit length (cm)	5.1	4.4

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18044 - 'Pink banana'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18157 - 'Scarlet Banana'

Ornamental

Taxonomy

Genus: *Musa*

Species/Group: *coccinea*

Subspecies/Subgroup:

Section: *Callimusa* (n=10)

General

Synonyms: Unknown

Status: Cultivar/wild

Origin: Unknown

USDA Backup: None

Donated to TARS: January 11, 2010

Donors: Dr. Brian Irish, USDA-ARS TARS

Curator notes: Ornamental Musa; inflorescence looks like a ginger flower, small fruit which contains viable seed at times.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	-	-
mMaCIR03	106	-
mMaCIR07	160	-
mMaCIR08	-	-
mMaCIR13	284	-
mMaCIR24	219	-
mMaCIR27	207	-
mMaCIR39	339	-
mMaCIR40	168	-
mMaCIR45	269	-
mMaCIR150	-	-
mMaCIR152	141	-
mMaCIR164	359	389
mMaCIR196	146	-
mMaCIR214	-	-
mMaCIR231	215	-
mMaCIR260	188	-
mMaCIR264	227	-
mMaCIR307	143	145
Ma 1-32	220	227
Ma 3-90	151	-

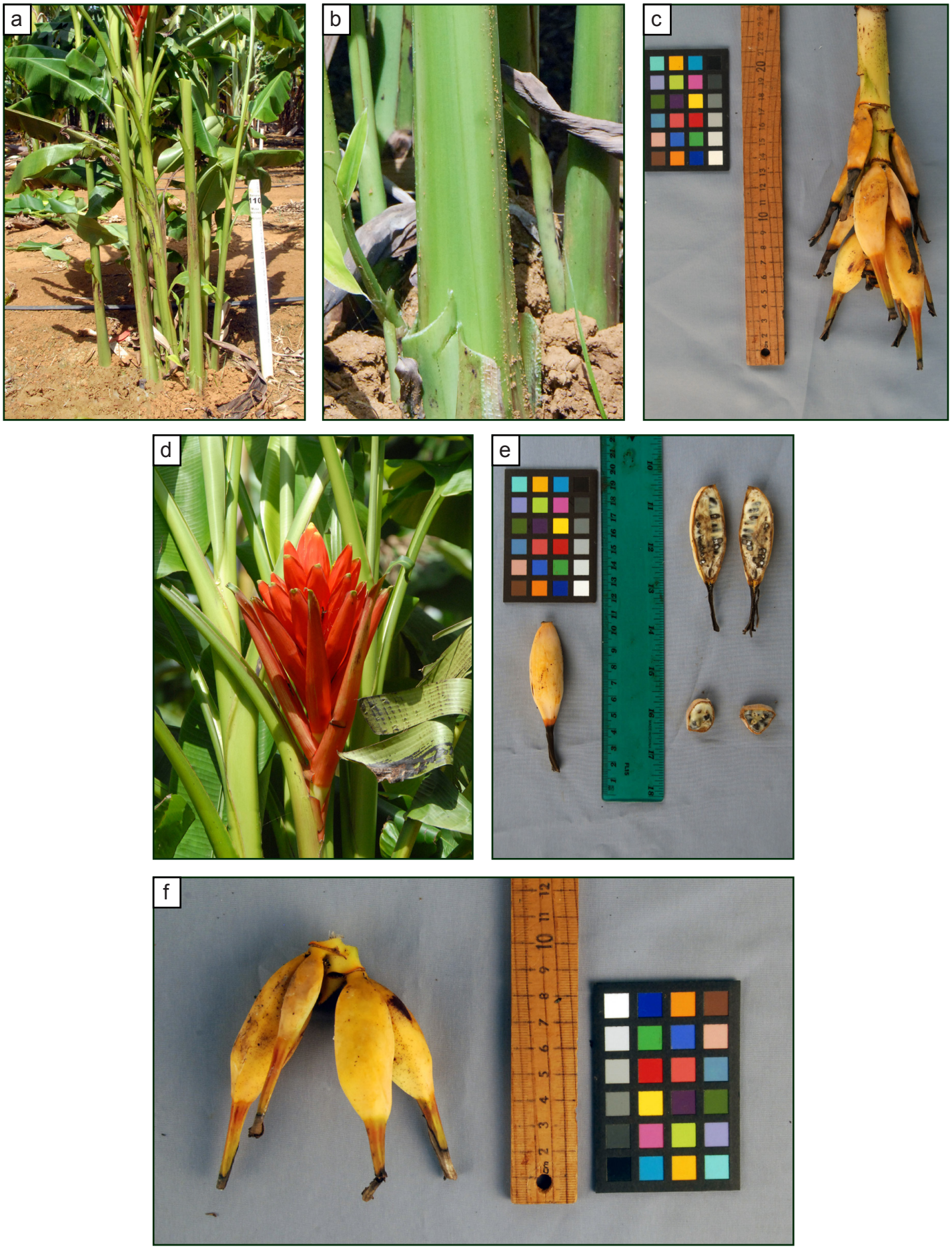
Agronomic

Days from plant to harvest	-
Days from flower to harvest	-
Plant diameter (cm)	-
Plant height (m)	-
Plant leaves at flowering	-
Plant leaves at harvest	-
Net bunch weight (kg)	-
Number of hands	-
Number of fruits	-
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Ornamental
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	-	-
Fruit width (mm)	-	-
Fruit length (cm)	-	-

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18157 - 'Scarlet Banana'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18057 - 'Siam Ruby'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: *AA/AAAA (see notes)

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: July, 2007

Donors: Scott Hyndman, USDA -ARS USGRL, Fort Pierce, Florida

Curator notes: Mixaploid (2X/4X); sport of 'Tapo'; sometimes reverts to green; very seldom flowers/produces bunches.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	238	242
mMaCIR03	101	106
mMaCIR07	126	139
mMaCIR08	241	243
mMaCIR13	251	255
mMaCIR24	228	-
mMaCIR27	217	-
mMaCIR39	315	327
mMaCIR40	150	162
mMaCIR45	264	266
mMaCIR150	243	-
mMaCIR152	137	-
mMaCIR164	387	389
mMaCIR196	162	-
mMaCIR214	103	-
mMaCIR231	224	256
mMaCIR260	185	192
mMaCIR264	243	245
mMaCIR307	145	-
Ma 1-32	224	229
Ma 3-90	135	142

Agronomic

Days from plant to harvest	-
Days from flower to harvest	-
Plant diameter (cm)	-
Plant height (m)	-
Plant leaves at flowering	-
Plant leaves at harvest	-
Net bunch weight (kg)	-
Number of hands	-
Number of fruits	-
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Ornamental
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	-	-
Fruit width (mm)	-	-
Fruit length (cm)	-	-

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18057 - 'Siam Ruby'

a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescense; e. Leaf detail; f. Neck; g. Planting

TARS 17992 - 'Thousand Fingers'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: AAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Pisang Seribu

Status: Cultivar

Origin: Unknown

USDA Backup: None

Donated to TARS: July, 2007

Donors: Unknown

Curator notes: Long slender bunch with many fruit; quite unique; ornamental.

Genetic (SSR)

Marker	Alleles		
mMaCIR01	232	246	279
mMaCIR03	99	103	106
mMaCIR07	141	145	150
mMaCIR08	241	245	-
mMaCIR13	246	251	276
mMaCIR24	228	230	-
mMaCIR27	228	232	-
mMaCIR39	321	322	336
mMaCIR40	158	163	-
mMaCIR45	259	260	269
mMaCIR150	237	239	-
mMaCIR152	144	145	176
mMaCIR164	278	384	386
mMaCIR196	145	161	-
mMaCIR214	100	103	107
mMaCIR231	224	232	234
mMaCIR260	186	188	190
mMaCIR264	217	224	232
mMaCIR307	145	149	-
Ma 1-32	216	221	-
Ma 3-90	131	138	147

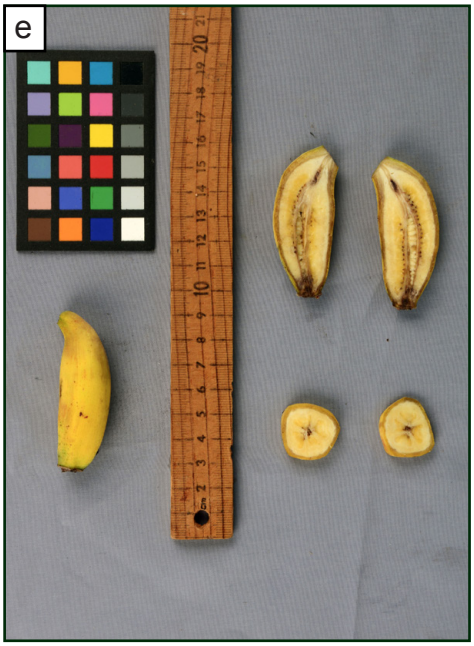
Agronomic

Days from plant to harvest	420
Days from flower to harvest	156
Plant diameter (cm)	17.3
Plant height (m)	2.9
Plant leaves at flowering	13.5
Plant leaves at harvest	7
Net bunch weight (kg)	14.3
Number of hands	24.5
Number of fruits	371
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Ornamental
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	15	19.5
Fruit width (mm)	2.7	2.5
Fruit length (cm)	7	14.5

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 17992 - 'Thousand Fingers'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18159 - 'Unknown'

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Cultivar

Origin: Unknown

USDA Backup: Unknown

Donated to TARS: January 11, 2010

Donors: Dr. Brian Irish, USDA-ARS TARS

Curator notes: Closely related to *M. acuminata* subsp. *zebrina* based on molecular and phenotype data.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	236	252
mMaCIR03	99	103
mMaCIR07	150	151
mMaCIR08	245	249
mMaCIR13	263	265
mMaCIR24	218	224
mMaCIR27	217	223
mMaCIR39	311	315
mMaCIR40	158	163
mMaCIR45	264	269
mMaCIR150	237	241
mMaCIR152	144	-
mMaCIR164	384	386
mMaCIR196	145	164
mMaCIR214	100	103
mMaCIR231	232	246
mMaCIR260	190	-
mMaCIR264	222	-
mMaCIR307	143	145
Ma 1-32	227	-
Ma 3-90	127	149

Agronomic

Days from plant to harvest	381
Days from flower to harvest	135
Plant diameter (cm)	9.6
Plant height (m)	1.9
Plant leaves at flowering	11.8
Plant leaves at harvest	7.3
Net bunch weight (kg)	2.21
Number of hands	6
Number of fruits	78
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Ornamental
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	12.3	11.3
Fruit width (mm)	2.6	3.3
Fruit length (cm)	9.6	8.8

*Data from Exp. #6 - Banana characterization (see introduction)

TARS 18159 - 'Unknown'

a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17165 - '2390-2'

Synthetic Hybrid (AAAA)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Improved Cultivar

Origin: Unknown

USDA Backup: NCGRP

Donated to TARS: August 6, 1992

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Productive somaclone with good flavor and very similar to Cavendish clones.

Genetic (SSR)

Marker	Alleles			
mMaCIR01	236	240	252	-
mMaCIR03	101	103	107	-
mMaCIR07	136	150	151	163
mMaCIR08	241	245	-	-
mMaCIR13	265	268	276	-
mMaCIR24	228	234	-	-
mMaCIR27	218	223	225	227
mMaCIR39	309	315	319	-
mMaCIR40	158	160	163	-
mMaCIR45	260	266	269	-
mMaCIR150	237	239	241	-
mMaCIR152	144	145	-	-
mMaCIR164	378	387	-	-
mMaCIR196	145	158	162	-
mMaCIR214	100	103	-	-
mMaCIR231	224	226	234	258
mMaCIR260	190	192	-	-
mMaCIR264	227	241	249	-
mMaCIR307	143	145	-	-
Ma 1-32	218	227	228	234
Ma 3-90	129	147	149	-

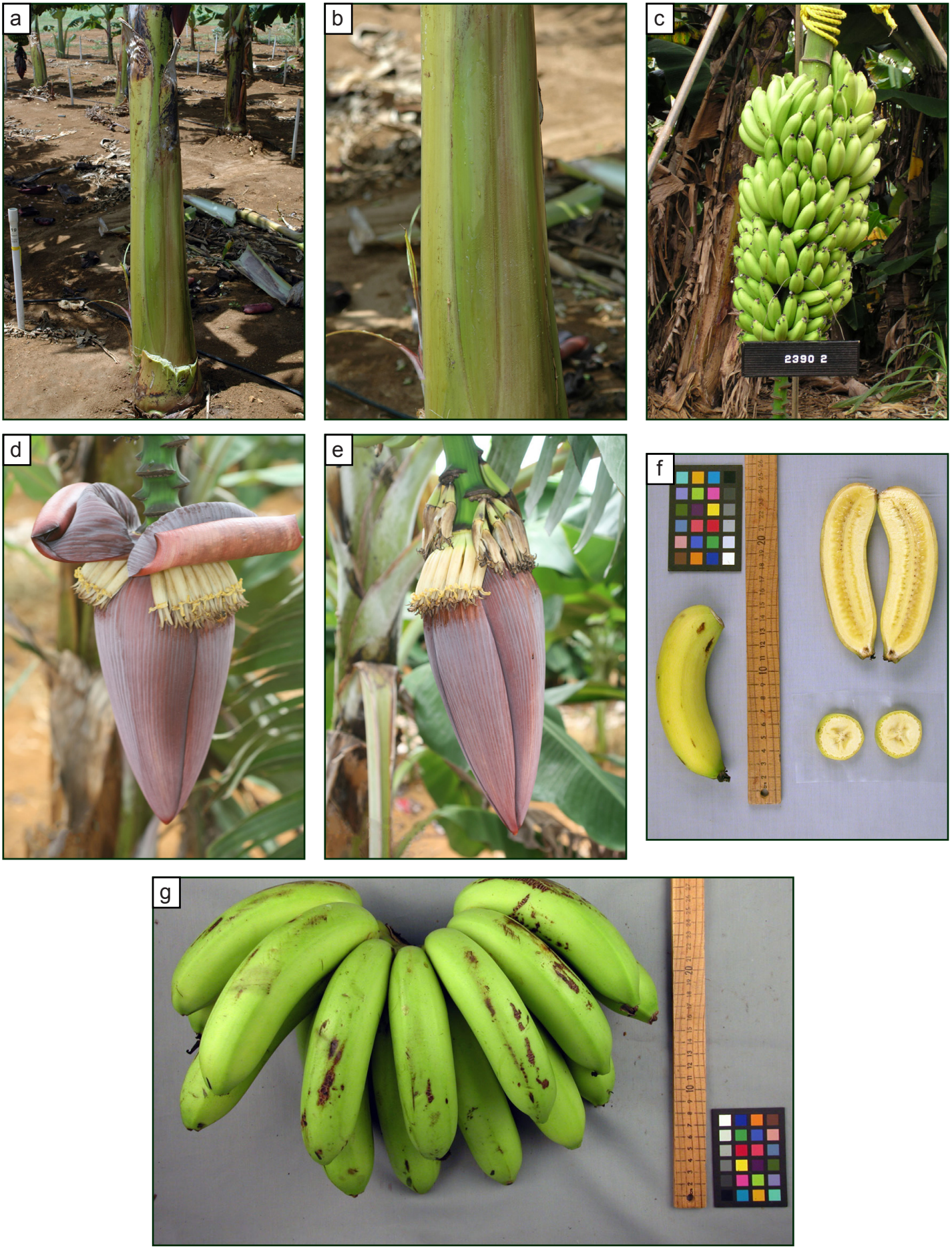
Agronomic

Days from plant to harvest	326
Days from flower to harvest	81
Plant diameter (cm)	17.4
Plant height (m)	2.9
Plant leaves at flowering	12.9
Plant leaves at harvest	8.1
Net bunch weight (kg)	18.6
Number of hands	7.3
Number of fruits	106.6
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Susceptible

	Third Hand	Last Hand
Weight (kg)	2.7	1.6
Fruits per hand	14.1	13.9
Fruit width (mm)	39.1	35.1
Fruit length (cm)	20.6	17.0

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17165 - '2390-2'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Synthetic Hybrid (AAAA)

TARS 18056 - 'CRBP 39'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Improved Cultivar

Origin: Cameroon (CARBAP)

USDA Backup: None

Donated to TARS: December, 2006

Donors: Bioversity International Musa Germplasm Transit Centre

Curator notes: Plantain hybrid with moderate productivity and Sigatoka resistance; developed by CARBAP (Centre Africain de Recherche sur Bananiers et Plantains).

Genetic (SSR)

Marker	Alleles			
mMaCIR01	226	248	279	-
mMaCIR03	99	101	106	-
mMaCIR07	136	139	145	152
mMaCIR08	241	243	-	-
mMaCIR13	246	265	-	-
mMaCIR24	220	228	-	-
mMaCIR27	217	225	-	-
mMaCIR39	315	336	337	-
mMaCIR40	160	164	181	-
mMaCIR45	226	269	-	-
mMaCIR150	237	243	-	-
mMaCIR152	144	176	-	-
mMaCIR164	294	387	-	-
mMaCIR196	159	162	-	-
mMaCIR214	100	105	107	-
mMaCIR231	226	230	258	-
mMaCIR260	190	192	-	-
mMaCIR264	224	241	-	-
mMaCIR307	145	149	-	-
Ma 1-32	227	228	-	-
Ma 3-90	131	142	147	149

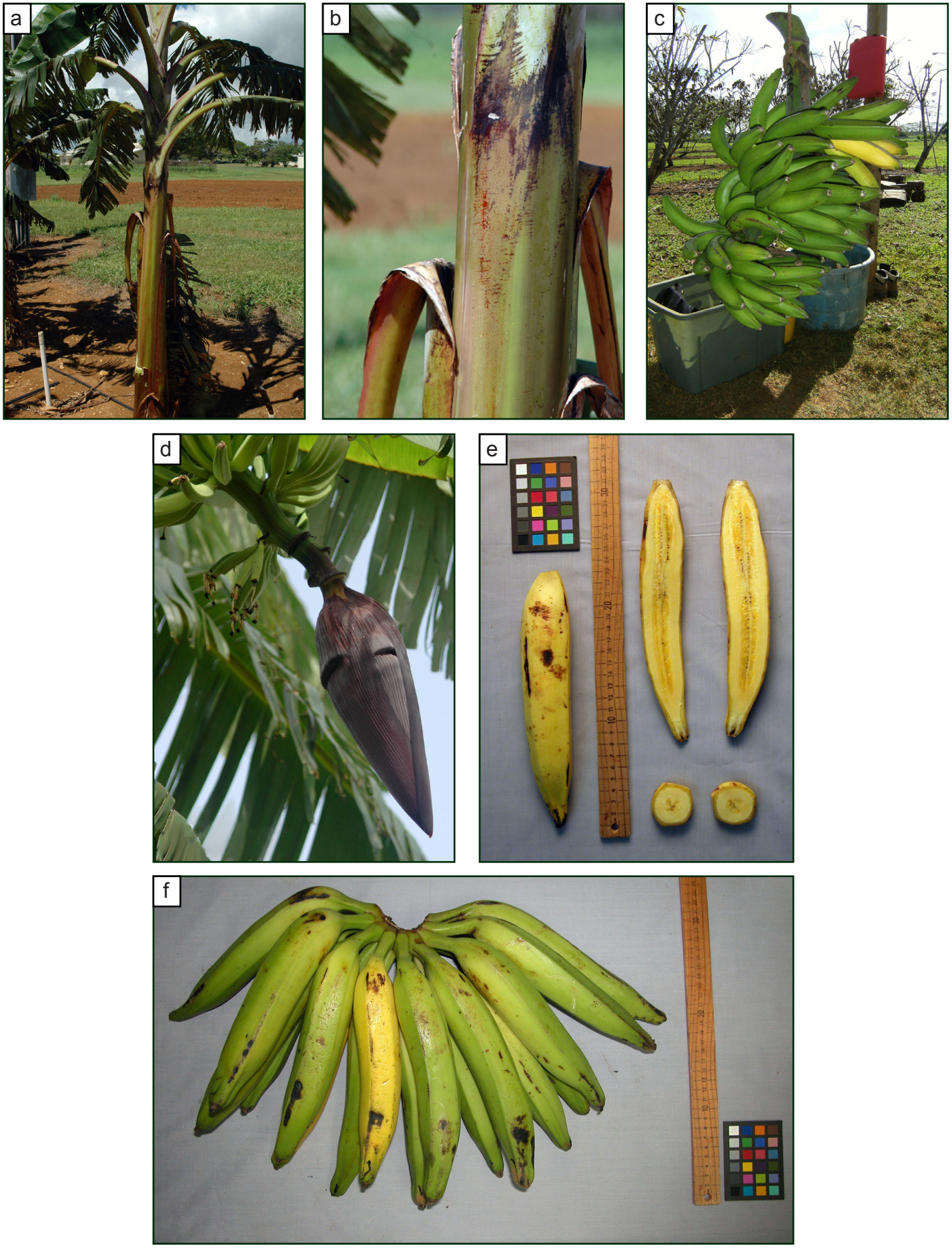
Agronomic

Days from plant to harvest	360.8
Days from flower to harvest	110.1
Plant diameter (cm)	20.1
Plant height (m)	3.7
Plant leaves at flowering	11.1
Plant leaves at harvest	2.6
Net bunch weight (kg)	16.1
Number of hands	7.3
Number of fruits	104.5
Pseudostem color	-
Propagating suckers at flowering	6.7
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	2.4	-
Fruits per hand	-	-
Fruit width (mm)	35.3	-
Fruit length (cm)	21.1	-

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 18056 - 'CRBP 39'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AAAB)

TARS 18067 - 'FHIA-01'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Goldfinger

Status: Improved Cultivar

Origin: Honduras (FHIA)

USDA Backup: None

Donated to TARS: March 3, 2008

Donors: Bioversity International Musa Germplasm Transit Centre

Curator notes: Resistant to Sigatoka leaf spots; short psedostem; low hanging bunch (easy to harvest); (FHIA).

Genetic (SSR)

Marker	Alleles			
mMaCIR01	236	240	248	271
mMaCIR03	100	103	-	-
mMaCIR07	136	145	151	-
mMaCIR08	241	245	-	-
mMaCIR13	265	267	268	-
mMaCIR24	218	222	228	234
mMaCIR27	225	227	-	-
mMaCIR39	315	336	-	-
mMaCIR40	163	184	-	-
mMaCIR45	257	260	266	269
mMaCIR150	237	241	-	-
mMaCIR152	144	163	-	-
mMaCIR164	278	378	380	387
mMaCIR196	145	151	159	162
mMaCIR214	100	103	105	-
mMaCIR231	224	234	258	-
mMaCIR260	190	192	202	-
mMaCIR264	224	241	-	-
mMaCIR307	225	227	-	-
Ma 1-32	216	221	225	228
Ma 3-90	129	131	142	149

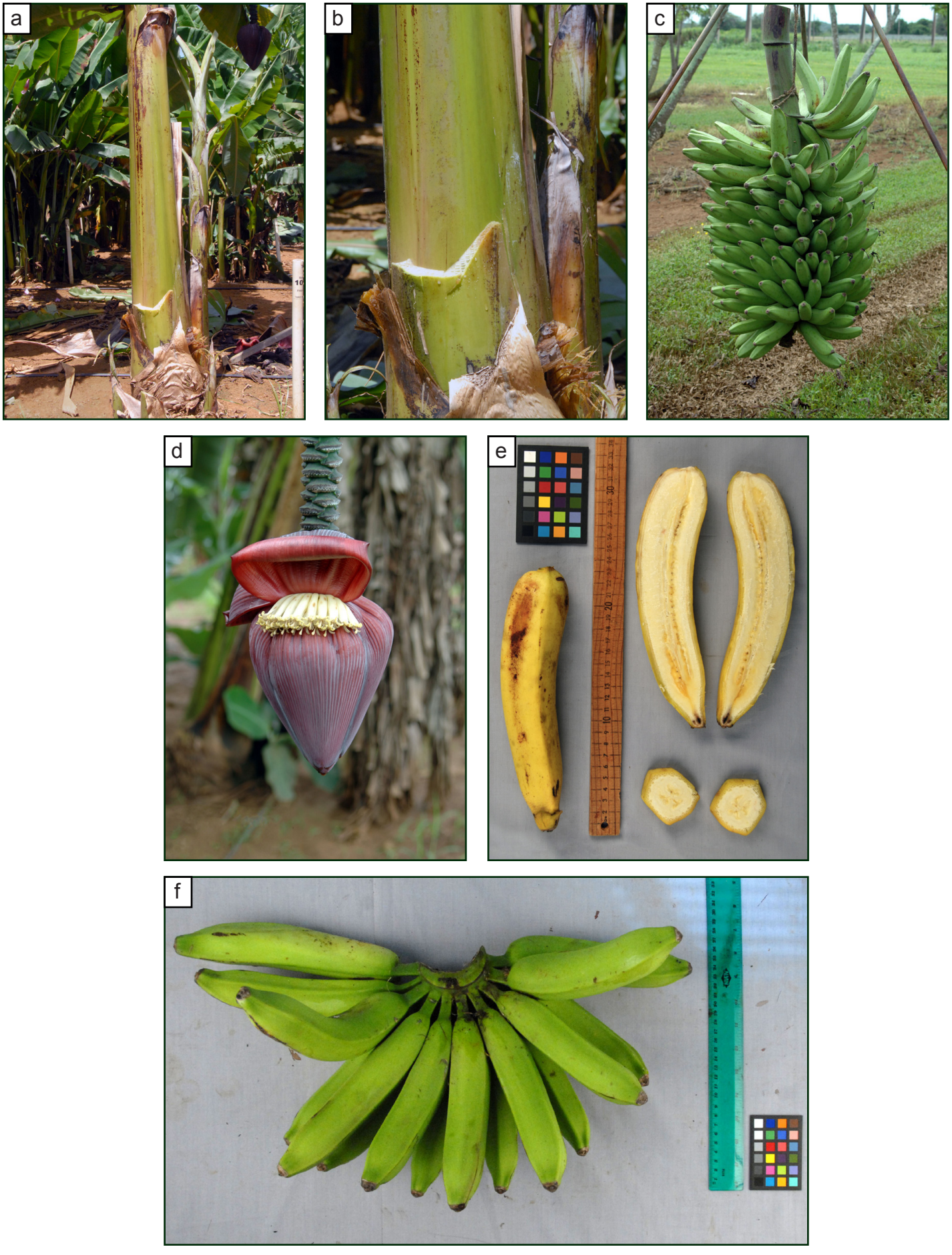
Agronomic

Days from plant to harvest	435
Days from flower to harvest	131
Plant diameter (cm)	17.1
Plant height (m)	2.6
Plant leaves at flowering	10.5
Plant leaves at harvest	6
Net bunch weight (kg)	27.3
Number of hands	8
Number of fruits	106
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	13.5	13
Fruit width (mm)	4.3	4.1
Fruit length (cm)	20.4	17

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 18067 - 'FHIA-01'

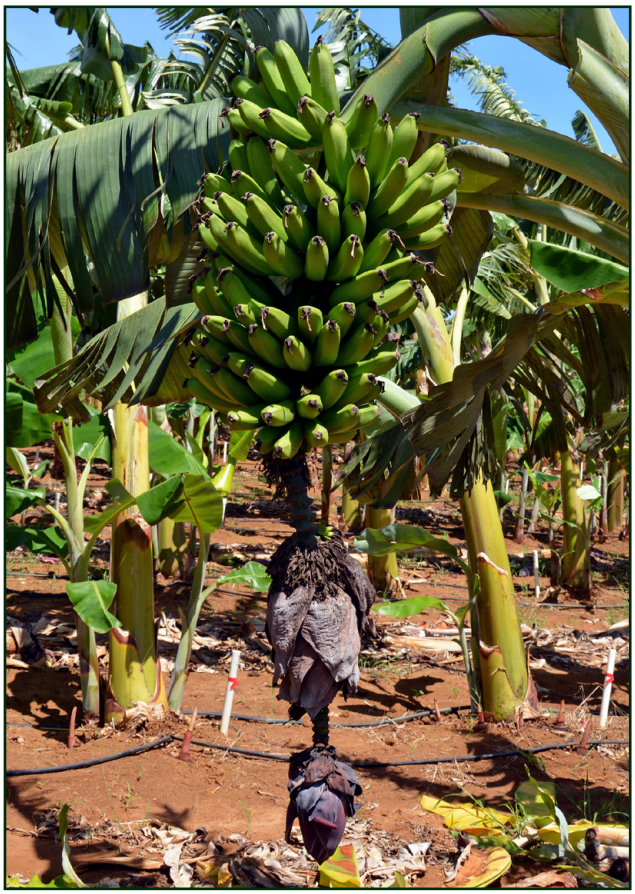


a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AAAB)

TARS 17760 - 'FHIA-02'

Synthetic Hybrid (AAAB)



Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Mona Lisa

Status: Improved Cultivar

Origin: Honduras (FHIA)

USDA Backup: None

Donated to TARS: April 9, 1996

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Resistant to Sigatoka leaf spots; large bunches; good taste as sub-acid dessert banana; (FHIA).

Genetic (SSR)

Marker	Alleles			
mMaCIR01	236	240	246	271
mMaCIR03	100	-	-	-
mMaCIR07	136	145	151	-
mMaCIR08	241	245	-	-
mMaCIR13	265	267	268	-
mMaCIR24	222	228	234	-
mMaCIR27	225	227	-	-
mMaCIR39	315	335	336	-
mMaCIR40	154	163	181	-
mMaCIR45	257	266	269	-
mMaCIR150	237	241	-	-
mMaCIR152	141	144	163	-
mMaCIR164	278	378	380	387
mMaCIR196	145	158	159	162
mMaCIR214	100	103	105	-
mMaCIR231	222	228	234	-
mMaCIR260	186	190	192	202
mMaCIR264	224	234	241	-
mMaCIR307	143	145	149	-
Ma 1-32	221	228	-	-
Ma 3-90	129	131	149	-

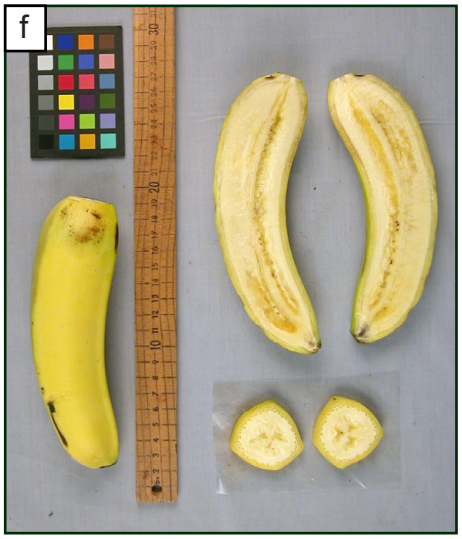
Agronomic

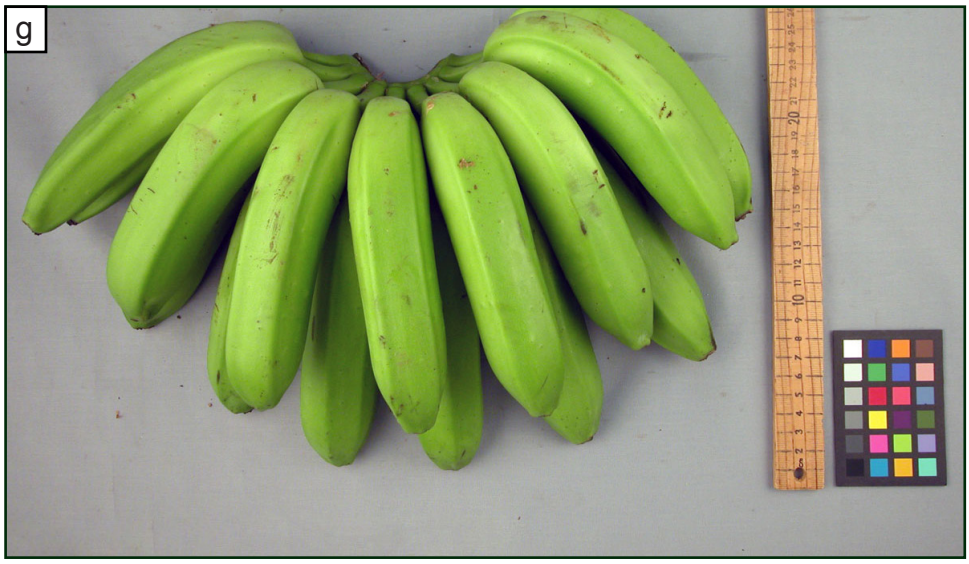
Days from plant to harvest	331
Days from flower to harvest	103
Plant diameter (cm)	15.7
Plant height (m)	2.9
Plant leaves at flowering	15.1
Plant leaves at harvest	9.0
Net bunch weight (kg)	14.6
Number of hands	8.4
Number of fruits	116.1
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	1.9	1.1
Fruits per hand	13.6	13.5
Fruit width (mm)	34.2	31.8
Fruit length (cm)	19.1	14.6

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 17760 - 'FHIA-02'





a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Synthetic Hybrid (AAAB)

TARS 17761 - 'FHIA-03'

Synthetic Hybrid (AABB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Improved Cultivar

Origin: Honduras (FHIA)

USDA Backup: None

Donated to TARS: April 9, 1996

Donors: University of Puerto Rico, Corozal Experimental Substation

Curator notes: Resistant to Sigatoka leaf spots; cooking banana type; (FHIA).

Genetic (SSR)

Marker	Alleles			
mMaCIR01	236	242	246	290
mMaCIR03	99	100	106	-
mMaCIR07	130	139	145	-
mMaCIR08	237	245	-	-
mMaCIR13	251	265	269	-
mMaCIR24	228	230	-	-
mMaCIR27	217	223	225	-
mMaCIR39	317	335	336	-
mMaCIR40	154	158	-	-
mMaCIR45	257	266	269	-
mMaCIR150	237	241	243	-
mMaCIR152	144	163	-	-
mMaCIR164	294	374	380	387
mMaCIR196	158	162	-	-
mMaCIR214	100	105	-	-
mMaCIR231	228	230	232	234
mMaCIR260	190	206	-	-
mMaCIR264	224	234	238	243
mMaCIR307	145	149	-	-
Ma 1-32	221	228	243	-
Ma 3-90	144	149	-	-

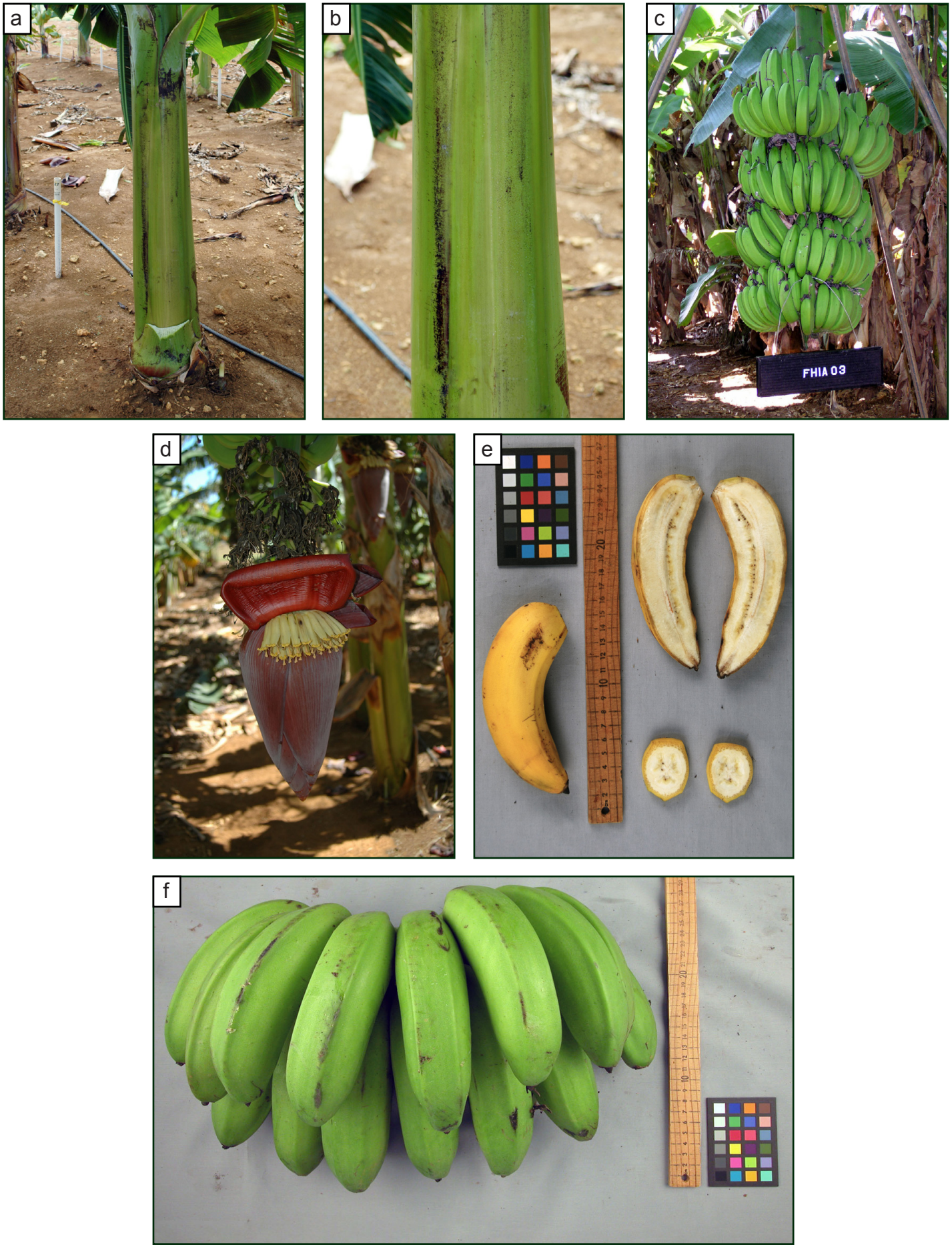
Agronomic

Days from plant to harvest	375
Days from flower to harvest	104
Plant diameter (cm)	23.1
Plant height (m)	3.5
Plant leaves at flowering	14.3
Plant leaves at harvest	8.7
Net bunch weight (kg)	22.4
Number of hands	7.7
Number of fruits	132.4
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	3.0	2.0
Fruits per hand	17.3	15.9
Fruit width (mm)	39.0	36.9
Fruit length (cm)	19.0	16.6

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17761 - 'FHIA-03'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AABB)

TARS 18058 - 'FHIA-17'

Synthetic Hybrid (AAAA)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Improved Cultivar

Origin: Honduras (FHIA)

USDA Backup: None

Donated to TARS: November, 2006

Donors: Fundación Hondureña de Investigación Agrícola (FHIA).

Curator notes: Gros Michel hybrid; good resistance to Sigatoka leaf spots; very large bunches and fruit; good taste as dessert banana; (FHIA).

Genetic (SSR)

Marker	Alleles			
mMaCIR01	236	240	248	252
mMaCIR03	99	101	103	-
mMaCIR07	136	141	150	151
mMaCIR08	241	245	-	-
mMaCIR13	253	265	268	-
mMaCIR24	228	234	-	-
mMaCIR27	217	223	225	227
mMaCIR39	309	315	-	-
mMaCIR40	158	163	184	-
mMaCIR45	266	269	-	-
mMaCIR150	237	241	-	-
mMaCIR152	141	144	145	-
mMaCIR164	378	380	387	-
mMaCIR196	145	158	162	-
mMaCIR214	100	103	-	-
mMaCIR231	224	228	234	258
mMaCIR260	190	192	-	-
mMaCIR264	217	223	225	227
mMaCIR307	143	145	-	-
Ma 1-32	218	223	227	228
Ma 3-90	127	129	149	-

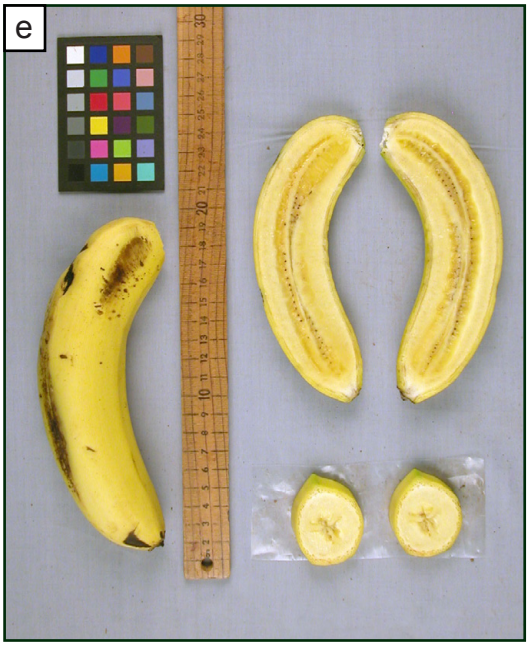
Agronomic

Days from plant to harvest	413.9
Days from flower to harvest	115.8
Plant diameter (cm)	25.6
Plant height (m)	3.5
Plant leaves at flowering	10.8
Plant leaves at harvest	4.8
Net bunch weight (kg)	41.6
Number of hands	13.2
Number of fruits	239.2
Pseudostem color	-
Propagating suckers at flowering	5.1
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	4.1	-
Fruits per hand	-	-
Fruit width (mm)	39.8	-
Fruit length (cm)	21.9	-

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 18058 - 'FHIA-17'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AAAA)

TARS 17843 - 'FHIA-18'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Improved Cultivar

Origin: Honduras (FHIA)

USDA Backup: NCGRP

Donated to TARS: 1998

Donors: Dr. Heber Irizarry; University of Puerto Rico, Corozal Experimental Substation

Curator notes: Resistant to Sigatoka leaf spots; sub-acid flavor; (FHIA).

Genetic (SSR)

Marker	Alleles			
mMaCIR01	236	240	248	271
mMaCIR03	100	103	-	-
mMaCIR07	136	145	151	-
mMaCIR08	241	245	-	-
mMaCIR13	265	267	268	-
mMaCIR24	218	222	228	234
mMaCIR27	225	227	-	-
mMaCIR39	315	325	336	-
mMaCIR40	154	163	-	-
mMaCIR45	257	260	266	-
mMaCIR150	237	241	-	-
mMaCIR152	144	163	-	-
mMaCIR164	278	378	380	387
mMaCIR196	145	151	159	162
mMaCIR214	100	103	105	-
mMaCIR231	224	228	234	258
mMaCIR260	190	192	202	-
mMaCIR264	224	241	-	-
mMaCIR307	145	149	-	-
Ma 1-32	221	227	228	241
Ma 3-90	129	131	142	149

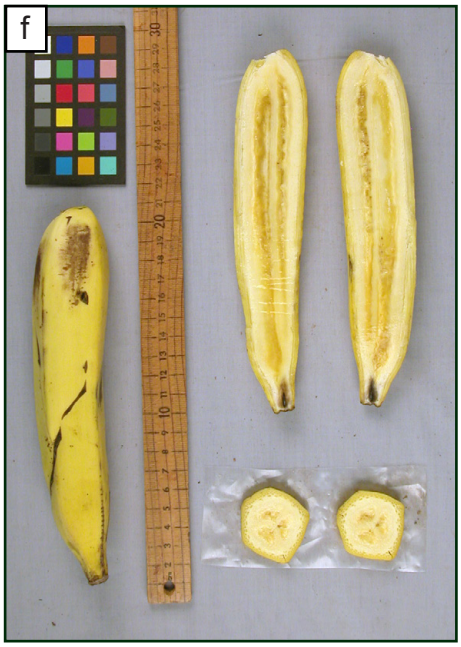
Agronomic

Days from plant to harvest	375.3*
Days from flower to harvest	132.4
Plant diameter (cm)	22.8
Plant height (m)	3.4
Plant leaves at flowering	13.2
Plant leaves at harvest	7.3
Net bunch weight (kg)	26.3
Number of hands	10.7
Number of fruits	182.3
Pseudostem color	-
Propagating suckers at flowering	5.8
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	2.9	-
Fruits per hand	-	-
Fruit width (mm)	36.3	-
Fruit length (cm)	18.7	-

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 17843 - 'FHIA-18'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Synthetic Hybrid (AAAB)

TARS 17820 - 'FHIA-21'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Improved Cultivar

Origin: Honduras (FHIA)

USDA Backup: None

Donated to TARS: Unknown

Donors: Fundación Hondureña de Investigación Agrícola (FHIA)

Curator notes: Plantain hybrid; good resistance to Sigatoka leaf spots; quite productive; French-type bunch; problems with BSV; (FHIA).

Genetic (SSR)

Marker	Alleles			
mMaCIR01	240	248	279	-
mMaCIR03	101	106	-	-
mMaCIR07	136	139	152	-
mMaCIR08	241	-	-	-
mMaCIR13	246	253	265	-
mMaCIR24	220	228	-	-
mMaCIR27	217	225	-	-
mMaCIR39	315	325	336	-
mMaCIR40	164	184	-	-
mMaCIR45	260	266	269	-
mMaCIR150	237	-	-	-
mMaCIR152	141	176	-	-
mMaCIR164	294	380	387	-
mMaCIR196	149	159	162	-
mMaCIR214	100	105	107	-
mMaCIR231	226	228	230	-
mMaCIR260	190	192	-	-
mMaCIR264	224	233	234	241
mMaCIR307	145	149	-	-
Ma 1-32	227	232	241	-
Ma 3-90	127	131	142	147

Agronomic

Days from plant to harvest	-
Days from flower to harvest	104.1
Plant diameter (cm)	19.3
Plant height (m)	3.5
Plant leaves at flowering	12.2
Plant leaves at harvest	10.9
Net bunch weight (kg)	26.5
Number of hands	7.5
Number of fruits	102.1
Pseudostem color	Green
Propagating suckers at harvest	4.6
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	0.263	0.141
Fruits per hand	13.3	7.9
Fruit width (mm)	42.4	40.1
Fruit length (cm)	24.5	22.5

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17820 - 'FHIA-21'

a. Pseudostem; b. Pseudostem detail; c. Inflorescence; d. Bunch; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AAAB)

TARS 18059 - 'FHIA-23'

Synthetic Hybrid (AAAA)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Improved Cultivar

Origin: Honduras (FHIA)

USDA Backup: None

Donated to TARS: November, 2006

Donors: Fundación Hondureña de Investigación Agrícola (FHIA)

Curator notes: Gros Michel hybrid; good resistance to Sigatoka leaf spots; very large bunches and fruit; good taste as dessert banana; (FHIA).

Genetic (SSR)

Marker	Alleles			
mMaCIR01	236	240	248	252
mMaCIR03	101	103	-	-
mMaCIR07	136	150	151	-
mMaCIR08	241	245	-	-
mMaCIR13	253	263	265	268
mMaCIR24	228	234	-	-
mMaCIR27	217	223	225	227
mMaCIR39	309	315	-	-
mMaCIR40	158	163	184	-
mMaCIR45	266	269	-	-
mMaCIR150	237	241	-	-
mMaCIR152	144	145	-	-
mMaCIR164	378	380	387	-
mMaCIR196	145	158	162	-
mMaCIR214	100	103	-	-
mMaCIR231	224	228	234	258
mMaCIR260	190	192	-	-
mMaCIR264	217	241	249	-
mMaCIR307	143	145	-	-
Ma 1-32	218	227	228	-
Ma 3-90	127	129	228	-

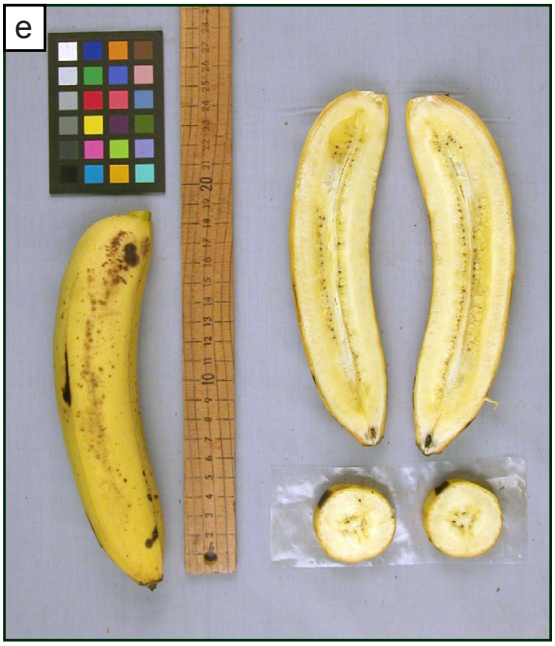
Agronomic

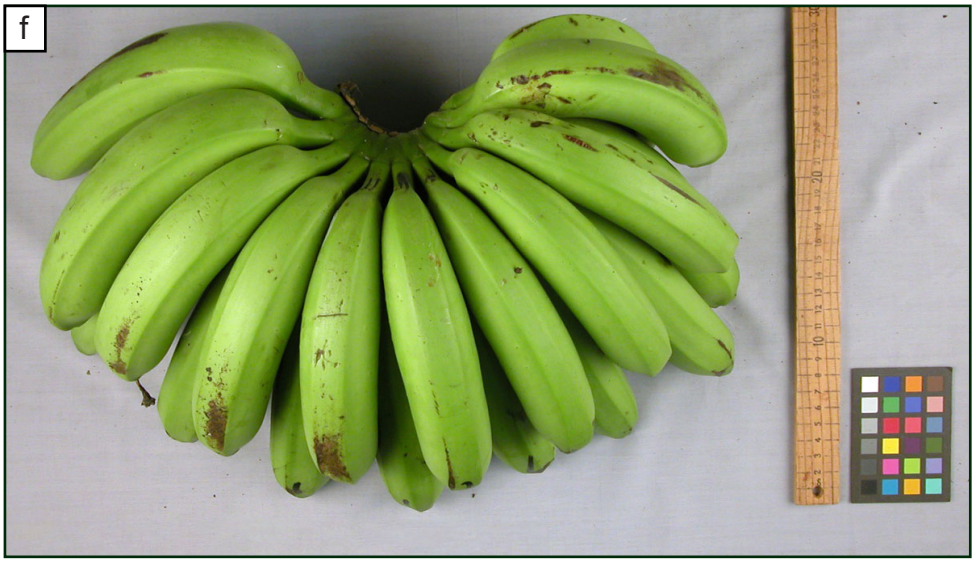
Days from plant to harvest	423.9
Days from flower to harvest	114.3
Plant diameter (cm)	26.1
Plant height (m)	3.6
Plant leaves at flowering	10.3
Plant leaves at harvest	4.4
Net bunch weight (kg)	40.8
Number of hands	12.9
Number of fruits	233.6
Pseudostem color	-
Propagating suckers at harvest	5.3
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	4.0	-
Fruits per hand	-	-
Fruit width (mm)	38.8	-
Fruit length (cm)	21.9	-

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 18059 - 'FHIA-23'





a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AAAA)

TARS 18051 - 'PA 12.03'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Improved Cultivar

Origin: Brazil (EMBRAPA)

USDA Backup: None

Donated to TARS: December, 2006

Donors: Bioversity International Musa Germplasm Transit Centre.

Curator notes: Developed by Brazilian public agricultural research corporation (EMBRAPA) breeding program; resistant to FOC race 1 and 2; dwarf.

Genetic (SSR)

Marker	Alleles			
mMaCIR01	236	240	271	-
mMaCIR03	100	103	-	-
mMaCIR07	136	145	151	169
mMaCIR08	241	245	249	-
mMaCIR13	265	267	268	272
mMaCIR24	222	228	234	-
mMaCIR27	223	225	227	-
mMaCIR39	315	321	336	-
mMaCIR40	160	163	181	-
mMaCIR45	257	266	269	-
mMaCIR150	237	241	-	-
mMaCIR152	141	144	163	-
mMaCIR164	278	378	387	-
mMaCIR196	145	155	159	162
mMaCIR214	100	103	105	-
mMaCIR231	224	230	234	258
mMaCIR260	190	192	202	-
mMaCIR264	224	241	249	-
mMaCIR307	143	145	149	-
Ma 1-32	218	221	227	228
Ma 3-90	129	131	140	149

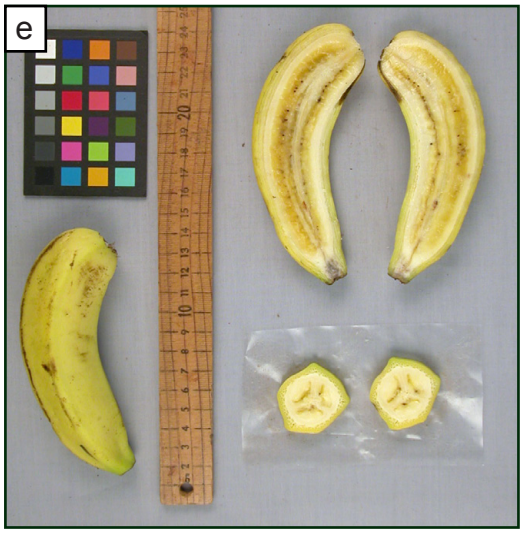
Agronomic

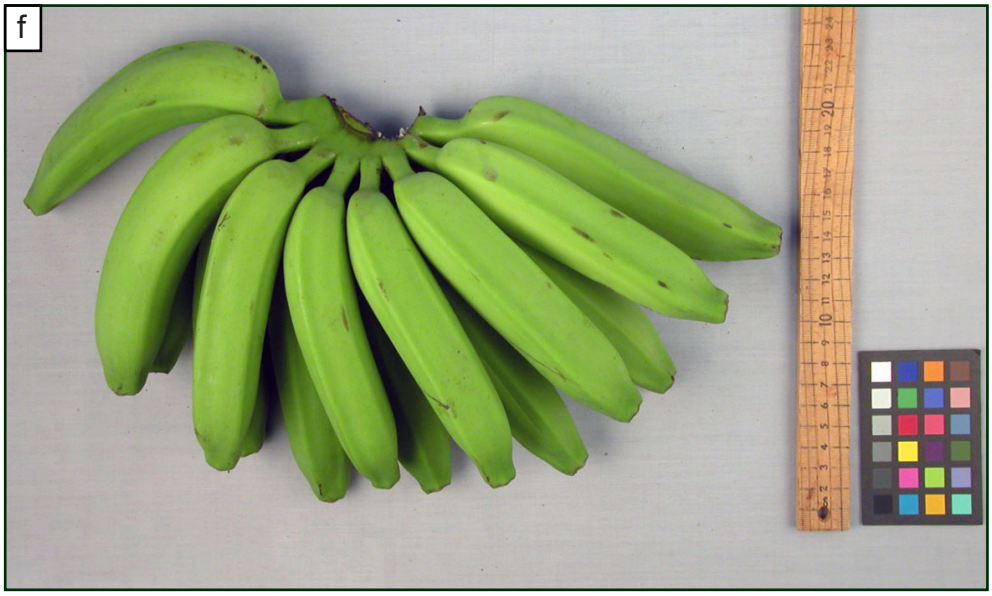
Days from plant to harvest	274.5
Days from flower to harvest	115.3
Plant diameter (cm)	17.5
Plant height (m)	2.6
Plant leaves at flowering	11.3
Plant leaves at harvest	3.8
Net bunch weight (kg)	15.6
Number of hands	8.5
Number of fruits	123.6
Pseudostem color	-
Propagating suckers at flowering	4.8
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	1.8	-
Fruits per hand	-	-
Fruit width (mm)	32.9	-
Fruit length (cm)	17.6	-

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 18051 - 'PA 12.03'





a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AAAB)

TARS 18052 - 'PV 03.44'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Improved Cultivar

Origin: Brazil (EMBRAPA)

USDA Backup: None

Donated to TARS: December, 2006

Donors: Bioversity International Musa Germplasm Transit Centre.

Curator notes: Developed by Brazilian public agricultural research corporation (EMBRAPA) breeding program; resistant to FOC race 1 and 2; intermediate height.

Genetic (SSR)

Marker	Alleles			
mMaCIR01	226	236	240	271
mMaCIR03	99	100	103	-
mMaCIR07	130	136	145	151
mMaCIR08	241	243	245	-
mMaCIR13	256	265	267	268
mMaCIR24	222	228	234	-
mMaCIR27	225	227	-	-
mMaCIR39	315	336	-	-
mMaCIR40	160	163	181	-
mMaCIR45	257	269	275	-
mMaCIR150	237	241	-	-
mMaCIR152	144	163	-	-
mMaCIR164	278	378	387	-
mMaCIR196	145	159	162	-
mMaCIR214	100	103	105	-
mMaCIR231	224	234	258	-
mMaCIR260	190	192	202	-
mMaCIR264	224	241	-	-
mMaCIR307	143	145	149	-
Ma 1-32	221	227	228	-
Ma 3-90	129	131	133	149

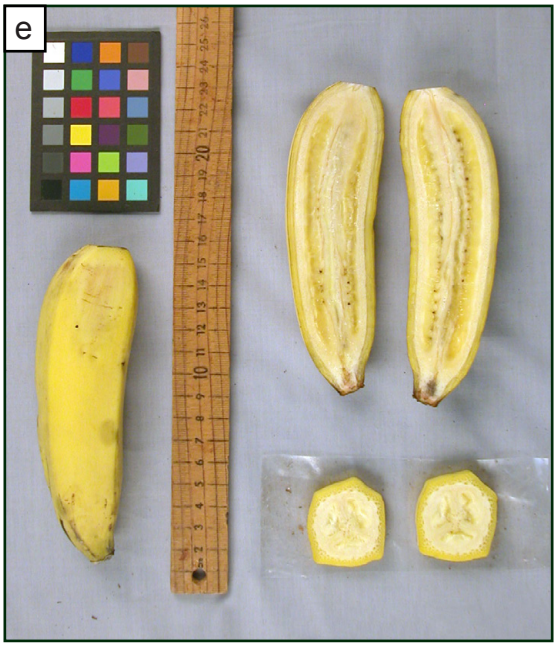
Agronomic

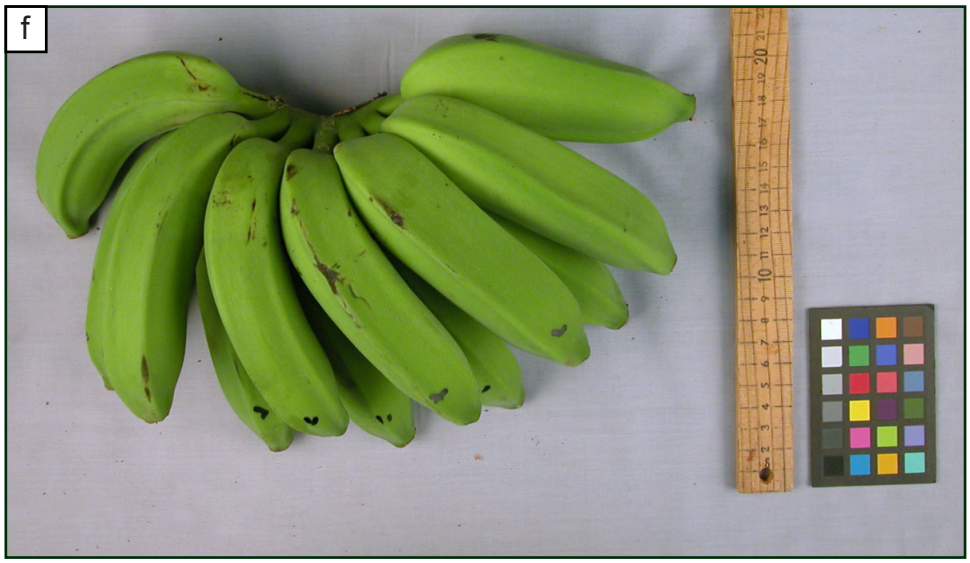
Days from plant to harvest	322.4
Days from flower to harvest	137.2
Plant diameter (cm)	18
Plant height (m)	3.6
Plant leaves at flowering	12.4
Plant leaves at harvest	5.9
Net bunch weight (kg)	15.4
Number of hands	6.7
Number of fruits	103.7
Pseudostem color	-
Propagating suckers at flowering	5.1
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	2.3	-
Fruits per hand	-	-
Fruit width (mm)	36.5	-
Fruit length (cm)	18.0	-

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 18052 - 'PV 03.44'





a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AAAB)

TARS 18053 - 'PV 42.53'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Improved Cultivar

Origin: Brazil (EMBRAPA)

USDA Backup: None

Donated to TARS: December, 2006

Donors: Bioversity International Musa Germplasm Transit Centre.

Curator notes: Developed by Brazilian public agricultural research corporation (EMBRAPA) breeding program; resistant to FOC race 1 and 2; intermediate height.

Genetic (SSR)

Marker	Alleles			
mMaCIR01	236	240	271	-
mMaCIR03	99	100	103	-
mMaCIR07	130	136	145	151
mMaCIR08	241	243	245	-
mMaCIR13	265	267	268	-
mMaCIR24	222	228	234	-
mMaCIR27	225	227	-	-
mMaCIR39	315	336	-	-
mMaCIR40	160	163	181	-
mMaCIR45	257	266	269	-
mMaCIR150	237	241	-	-
mMaCIR152	144	-	-	-
mMaCIR164	278	378	385	387
mMaCIR196	145	159	162	-
mMaCIR214	100	103	105	-
mMaCIR231	224	234	258	-
mMaCIR260	190	192	202	-
mMaCIR264	224	241	243	-
mMaCIR307	143	145	149	-
Ma 1-32	221	227	228	-
Ma 3-90	129	131	149	-

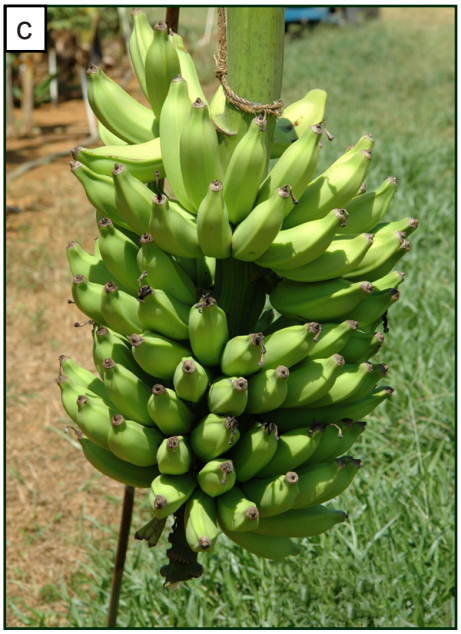
Agronomic

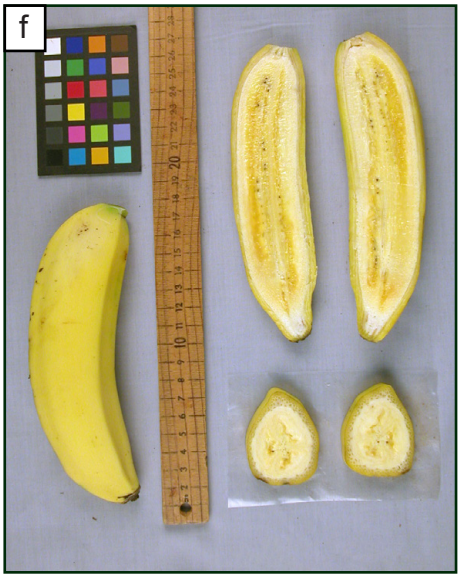
Days from plant to harvest	326.6
Days from flower to harvest	115.4
Plant diameter (cm)	20.2
Plant height (m)	3.7
Plant leaves at flowering	14.1
Plant leaves at harvest	5.2
Net bunch weight (kg)	22.1
Number of hands	7.6
Number of fruits	115.1
Pseudostem color	-
Propagating suckers at flowering	5.3
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

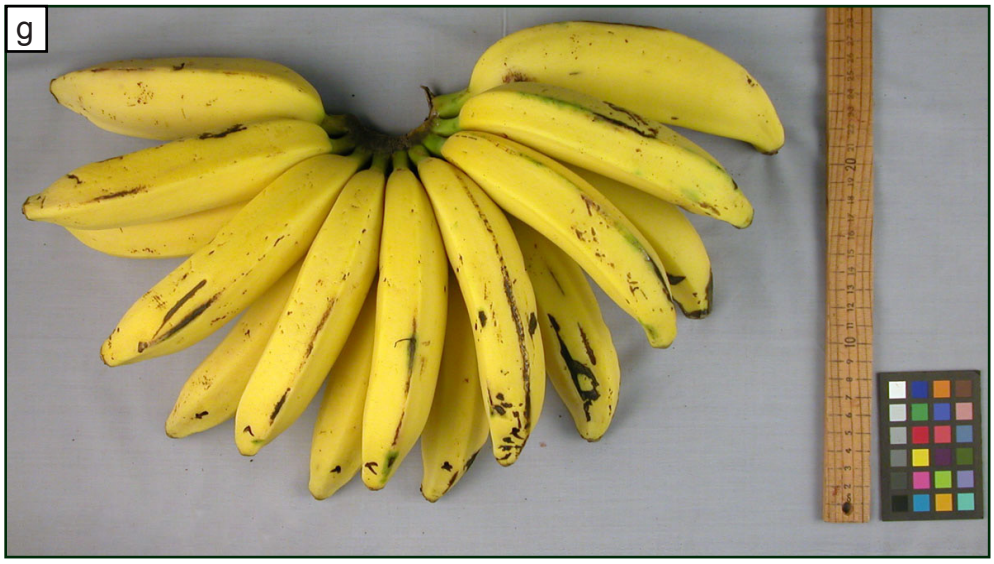
	Third Hand	Last Hand
Weight (kg)	3.1	-
Fruits per hand	-	-
Fruit width (mm)	38.1	-
Fruit length (cm)	21.4	-

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 18053 - 'PV 42.53'







a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Synthetic Hybrid (AAAB)

TARS 18054 - 'PV 42.81'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Improved Cultivar

Origin: Brazil (EMBRAPA)

USDA Backup: None

Donated to TARS: December, 2006

Donors: Bioversity International Musa Germplasm Transit Centre.

Curator notes: Developed by Brazilian public agricultural research corporation (EMBRAPA) breeding program; resistant to FOC race 1 and 2; intermediate height.

Genetic (SSR)

Marker	Alleles			
mMaCIR01	226	236	240	271
mMaCIR03	99	100	103	-
mMaCIR07	130	136	145	151
mMaCIR08	241	243	245	-
mMaCIR13	256	265	267	268
mMaCIR24	222	228	234	-
mMaCIR27	217	225	-	-
mMaCIR39	315	336	-	-
mMaCIR40	160	163	181	-
mMaCIR45	257	266	269	-
mMaCIR150	237	243	-	-
mMaCIR152	144	163	-	-
mMaCIR164	278	378	385	387
mMaCIR196	145	159	162	-
mMaCIR214	100	103	105	-
mMaCIR231	224	234	258	-
mMaCIR260	190	192	202	-
mMaCIR264	224	241	243	-
mMaCIR307	143	145	149	-
Ma 1-32	221	227	228	-
Ma 3-90	129	131	133	149

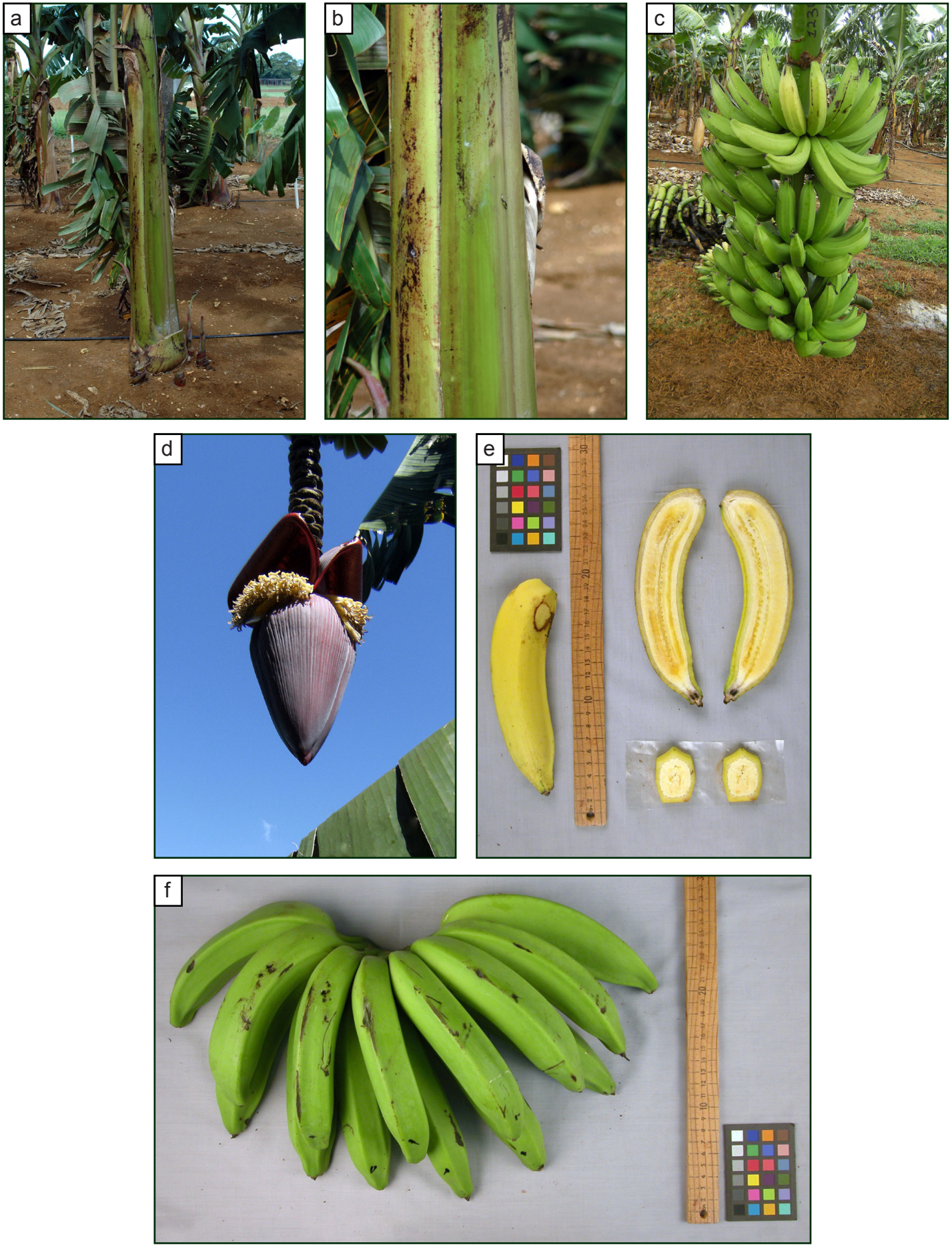
Agronomic

Days from plant to harvest	335.5
Days from flower to harvest	121
Plant diameter (cm)	21.6
Plant height (m)	4.4
Plant leaves at flowering	13.5
Plant leaves at harvest	1.3
Net bunch weight (kg)	18.9
Number of hands	7.4
Number of fruits	112.6
Pseudostem color	-
Propagating suckers at flowering	4.8
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	2.7	-
Fruits per hand	-	-
Fruit width (mm)	33.6	-
Fruit length (cm)	22.4	-

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 18054 - 'PV 42.81'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 18055 - 'PV 42.320'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Improved Cultivar

Origin: Brazil (EMBRAPA)

USDA Backup: None

Donated to TARS: December, 2006

Donors: Bioversity International Musa Germplasm Transit Centre.

Curator notes: Developed by Brazilian public agricultural research corporation (EMBRAPA) breeding program; resistant to FOC race 1 and 2; tall.

Genetic (SSR)

Marker	Alleles			
mMaCIR01	226	236	240	271
mMaCIR03	100	103	107	-
mMaCIR07	136	139	145	151
mMaCIR08	237	241	245	-
mMaCIR13	261	265	267	268
mMaCIR24	218	222	228	234
mMaCIR27	225	227	-	-
mMaCIR39	315	335	336	-
mMaCIR40	154	163	-	-
mMaCIR45	257	266	269	275
mMaCIR150	237	241	-	-
mMaCIR152	144	147	163	-
mMaCIR164	278	378	387	-
mMaCIR196	159	162	174	-
mMaCIR214	100	103	105	-
mMaCIR231	224	226	234	258
mMaCIR260	186	190	192	202
mMaCIR264	224	243	-	-
mMaCIR307	143	145	149	-
Ma 1-32	227	228	-	-
Ma 3-90	129	131	135	149

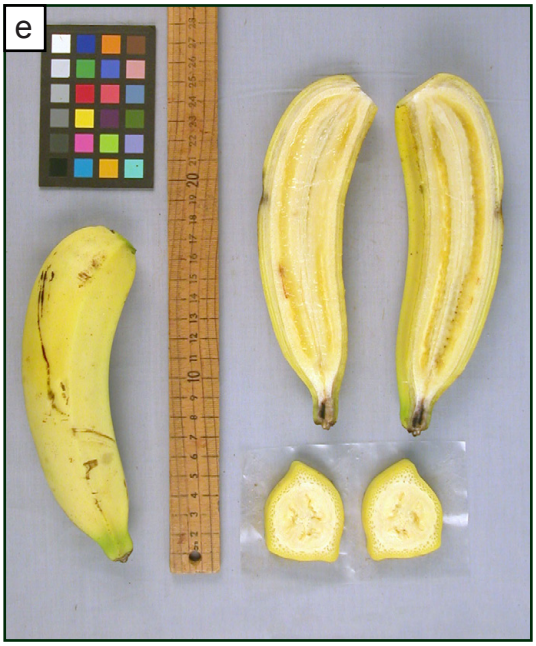
Agronomic

Days from plant to harvest	306.7
Days from flower to harvest	97.8
Plant diameter (cm)	20.4
Plant height (m)	4.3
Plant leaves at flowering	12.5
Plant leaves at harvest	2.6
Net bunch weight (kg)	19
Number of hands	7.6
Number of fruits	111.8
Pseudostem color	-
Propagating suckers at flowering	4.9
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	2.7	-
Fruits per hand	-	-
Fruit width (mm)	36.1	-
Fruit length (cm)	20.9	-

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 18055 - 'PV 42.320'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AAAB)

TARS 18047 - 'SH-3640.10'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid/Somaclone - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Improved Cultivar

Origin: Honduras (FHIA)

USDA Backup: None

Donated to TARS: December, 2006

Donors: Bioversity International Musa Germplasm Transit Centre.

Curator notes: Moderate resistance to Sigatoka leaf spots; large bunches; good taste as dessert banana; (FHIA).

Genetic (SSR)

Marker	Alleles			
mMaCIR01	236	240	246	271
mMaCIR03	99	100	103	-
mMaCIR07	136	141	145	151
mMaCIR08	241	245	-	-
mMaCIR13	265	267	268	-
mMaCIR24	228	234	-	-
mMaCIR27	217	225	227	-
mMaCIR39	311	315	336	-
mMaCIR40	163	-	-	-
mMaCIR45	257	260	266	269
mMaCIR150	237	241	-	-
mMaCIR152	144	163	-	-
mMaCIR164	378	387	-	-
mMaCIR196	145	149	159	162
mMaCIR214	100	103	105	-
mMaCIR231	224	234	258	-
mMaCIR260	190	192	202	-
mMaCIR264	241	249	-	-
mMaCIR307	143	145	149	-
Ma 1-32	221	227	228	243
Ma 3-90	129	131	149	-

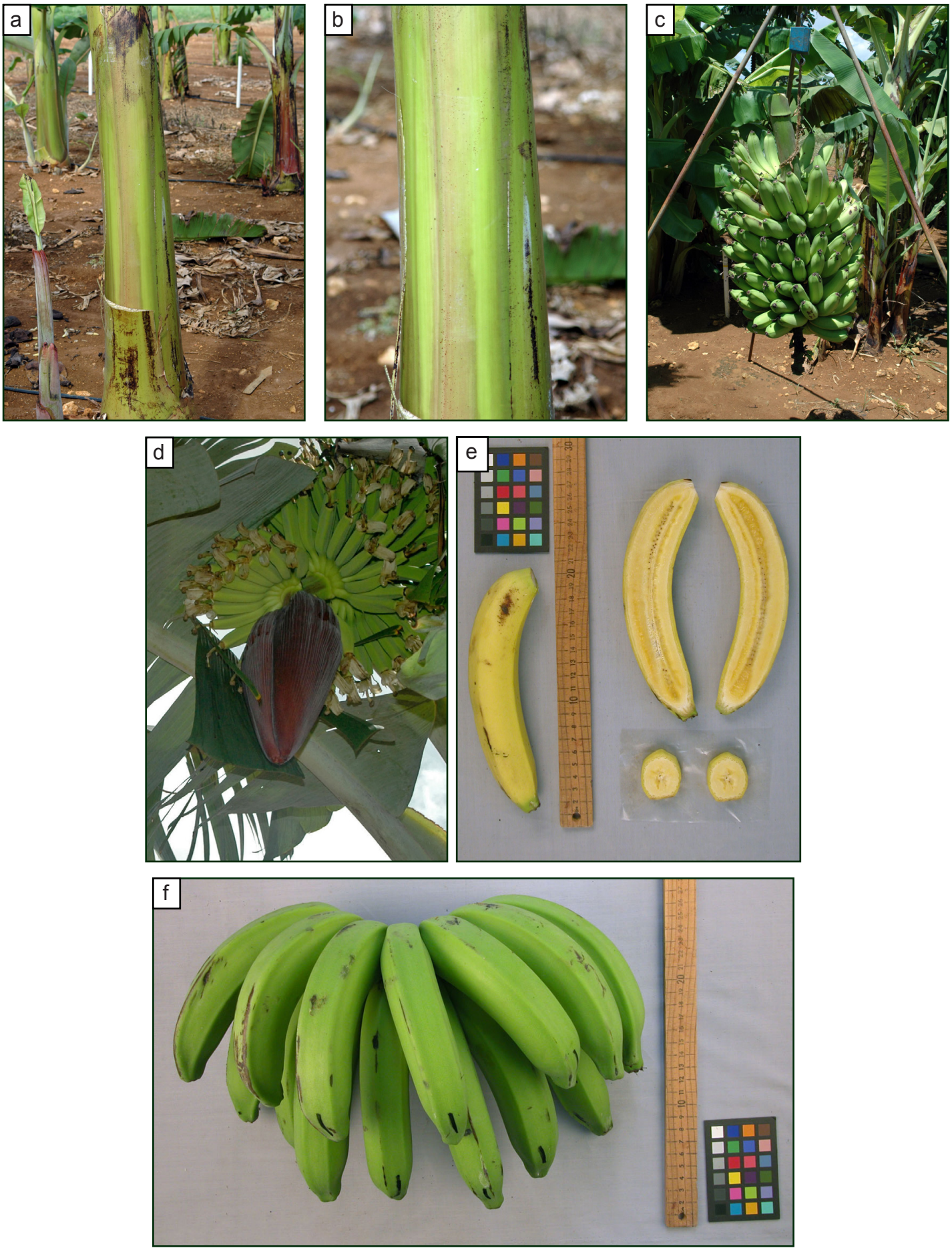
Agronomic

Days from plant to harvest	303.9
Days from flower to harvest	93.7
Plant diameter (cm)	20.7
Plant height (m)	3.2
Plant leaves at flowering	14.7
Plant leaves at harvest	2.3
Net bunch weight (kg)	22
Number of hands	8.7
Number of fruits	125.6
Pseudostem color	-
Propagating suckers at flowering	4.9
Bunch phenotype	-
Economic Importance	Dessert
BLS Reaction	Tolerant

	Third Hand	Last Hand
Weight (kg)	2.8	-
Fruits per hand	-	-
Fruit width (mm)	36.5	-
Fruit length (cm)	22.6	-

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 18047 - 'SH-3640.10'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AAAB)

TARS 18048 - 'TM 3x 15108-6'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: PITA 16

Status: Improved Cultivar

Origin: Nigeria (IITA)

USDA Backup: None

Donated to TARS: December, 2006

Donors: Bioversity International Musa Germplasm Transit Centre

Curator notes: Some residual fertility and seed develop in fruit; resistant to Sigatoka leaf spots (IITA).

Genetic (SSR)

Marker	Alleles		
mMaCIR01	226	248	-
mMaCIR03	99	101	105
mMaCIR07	128	136	141
mMaCIR08	241	245	-
mMaCIR13	263	265	-
mMaCIR24	220	228	-
mMaCIR27	217	225	-
mMaCIR39	315	336	337
mMaCIR40	154	164	184
mMaCIR45	261	266	269
mMaCIR150	237	-	-
mMaCIR152	144	149	-
mMaCIR164	294	380	386
mMaCIR196	149	159	174
mMaCIR214	100	103	107
mMaCIR231	226	232	234
mMaCIR260	186	190	-
mMaCIR264	217	225	-
mMaCIR307	143	145	-
Ma 1-32	223	228	232
Ma 3-90	135	142	149

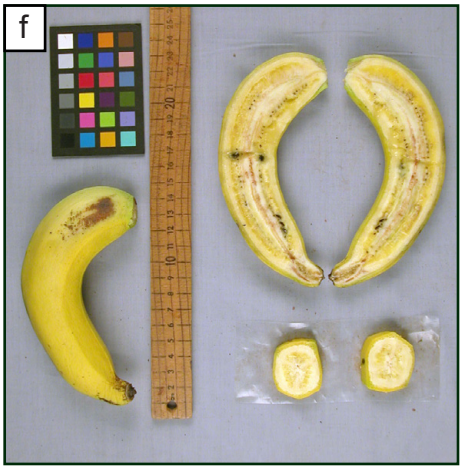
Agronomic

Days from plant to harvest	410.4
Days from flower to harvest	114.1
Plant diameter (cm)	22.1
Plant height (m)	3.4
Plant leaves at flowering	10.7
Plant leaves at harvest	0.4
Net bunch weight (kg)	26.3
Number of hands	9
Number of fruits	196.1
Pseudostem color	-
Propagating suckers at flowering	5.8
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	3.3	-
Fruits per hand	-	-
Fruit width (mm)	35.2	-
Fruit length (cm)	20.3	-

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 18048 - 'TM 3x 15108-6'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Synthetic Hybrid (AAAB)

TARS 18049 - 'TMB2x 9128-3'

Synthetic Hybrid (AA)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Improved diploid - AA

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: Unknown

Status: Breeding line

Origin: Nigeria (IITA)

USDA Backup: None

Donated to TARS: December, 2006

Donors: Bioversity International Musa Germplasm Transit Centre

Curator notes: Improved diploid breeding line developed at the International Institute for Tropical Agriculture (IITA), Ibadan, Nigeria.

Genetic (SSR)

Marker	Alleles	
mMaCIR01	232	252
mMaCIR03	99	103
mMaCIR07	141	150
mMaCIR08	241	-
mMaCIR13	253	265
mMaCIR24	228	263
mMaCIR27	217	223
mMaCIR39	311	315
mMaCIR40	184	-
mMaCIR45	260	266
mMaCIR150	237	241
mMaCIR152	141	147
mMaCIR164	380	-
mMaCIR196	145	149
mMaCIR214	100	-
mMaCIR231	228	234
mMaCIR260	190	192
mMaCIR264	217	234
mMaCIR307	145	-
Ma 1-32	223	-
Ma 3-90	127	149

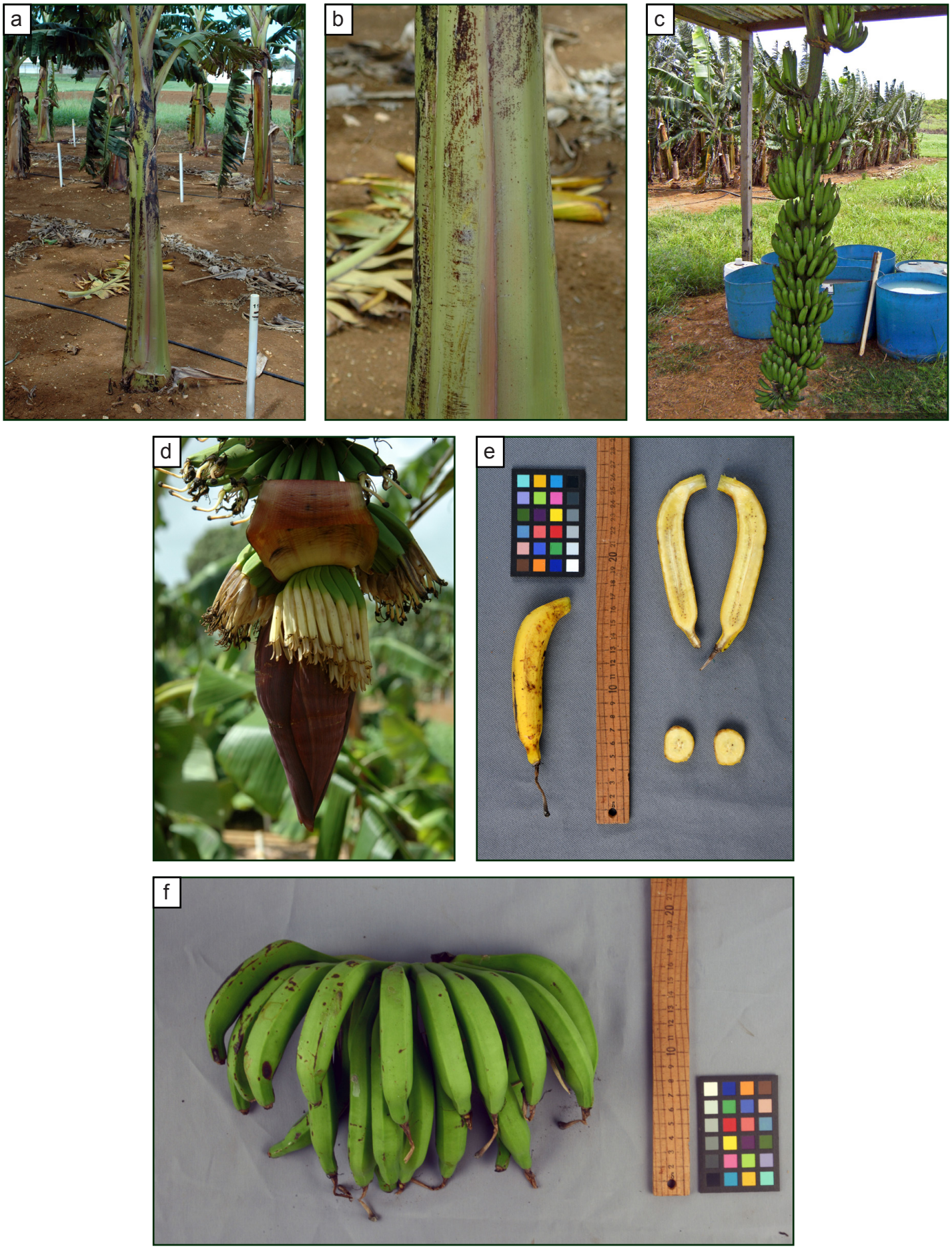
Agronomic

Days from plant to harvest	420
Days from flower to harvest	102
Plant diameter (cm)	19.3
Plant height (m)	3.4
Plant leaves at flowering	12.3
Plant leaves at harvest	7.5
Net bunch weight (kg)	18.9
Number of hands	16.5
Number of fruits	296
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Breeding line
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	-	-
Fruits per hand	19.5	17
Fruit width (mm)	2.5	2.3
Fruit length (cm)	14.5	10.4

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 18049 - 'TMB2x 9128-3'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AA)

TARS 17841 - 'TMB 1378'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: BITA 2

Status: Improved Cultivar

Origin: Nigeria (IITA)

USDA Backup: None

Donated to TARS: 1998

Donors: Dr. Heber Irizarry, University of Puerto Rico, Corozal Experimental Substation

Curator notes: Improved 'banana' breeding line developed at the International Institute for Tropical Agriculture (IITA) Nigeria.

Genetic (SSR)

Marker	Alleles			
mMaCIR01	252	279	281	290
mMaCIR03	100	103	106	-
mMaCIR07	145	150	151	-
mMaCIR08	245	-	-	-
mMaCIR13	246	251	265	269
mMaCIR24	228	-	-	-
mMaCIR27	223	-	-	-
mMaCIR39	309	336	-	-
mMaCIR40	160	-	-	-
mMaCIR45	257	-	-	-
mMaCIR150	237	239	241	-
mMaCIR152	141	163	-	-
mMaCIR164	286	296	380	-
mMaCIR196	155	159	161	-
mMaCIR214	100	103	105	107
mMaCIR231	224	230	234	-
mMaCIR260	192	206	-	-
mMaCIR264	224	227	-	-
mMaCIR307	143	149	-	-
Ma 1-32	221	-	-	-
Ma 3-90	131	144	149	-

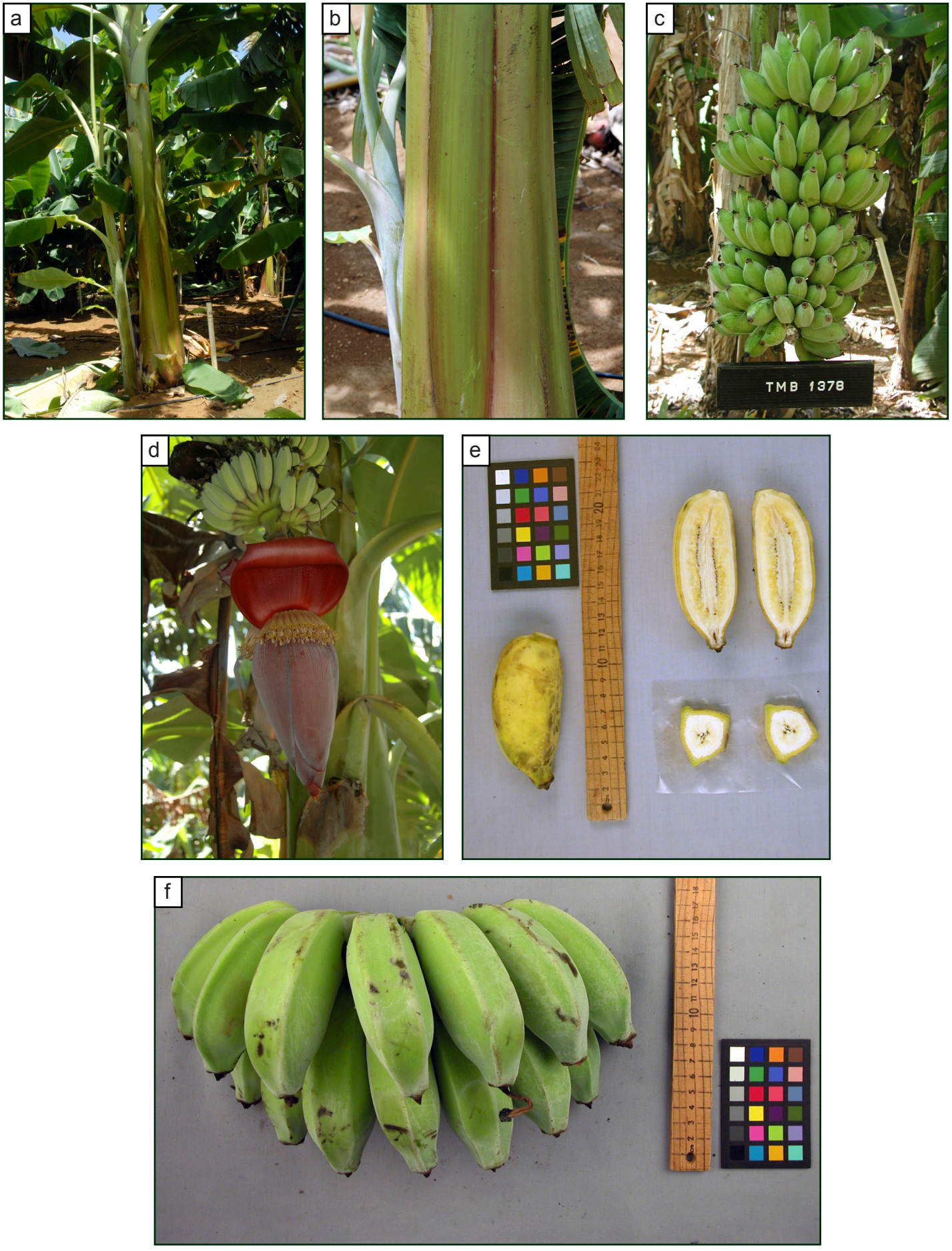
Agronomic

Days from plant to harvest	421
Days from flower to harvest	112
Plant diameter (cm)	23.9
Plant height (m)	4.9
Plant leaves at flowering	12.6
Plant leaves at harvest	9.3
Net bunch weight (kg)	12.9
Number of hands	7.5
Number of fruits	123.1
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	1.8	1.4
Fruits per hand	16.5	16.1
Fruit width (mm)	36.8	34.9
Fruit length (cm)	13.8	11.2

*Data from Exp. #2 - Banana evaluation (see introduction)

TARS 17841 - 'TMB 1378'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

TARS 17842 - 'TMB 5295-1'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: BITA 3

Status: Improved Cultivar

Origin: Nigeria (IITA)

USDA Backup: None

Donated to TARS: 1998

Donors: Dr. Heber Irizarry, University of Puerto Rico, Corozal Experimental Substation

Curator notes: Improved 'banana' breeding line developed at the International Institute for Tropical Agriculture (IITA) Nigeria.

Genetic (SSR)

Marker	Alleles			
mMaCIR01	232	236	248	279
mMaCIR03	101	103	106	-
mMaCIR07	136	139	150	152
mMaCIR08	241	-	-	-
mMaCIR13	246	265	-	-
mMaCIR24	220	228	-	-
mMaCIR27	217	228	-	-
mMaCIR39	311	315	333	336
mMaCIR40	162	164	184	-
mMaCIR45	266	-	-	-
mMaCIR150	237	-	-	-
mMaCIR152	141	-	-	-
mMaCIR164	294	380	387	-
mMaCIR196	145	159	-	-
mMaCIR214	100	103	105	108
mMaCIR231	226	230	232	-
mMaCIR260	190	200	-	-
mMaCIR264	224	234	241	249
mMaCIR307	145	149	-	-
Ma 1-32	221	223	227	-
Ma 3-90	131	142	149	-

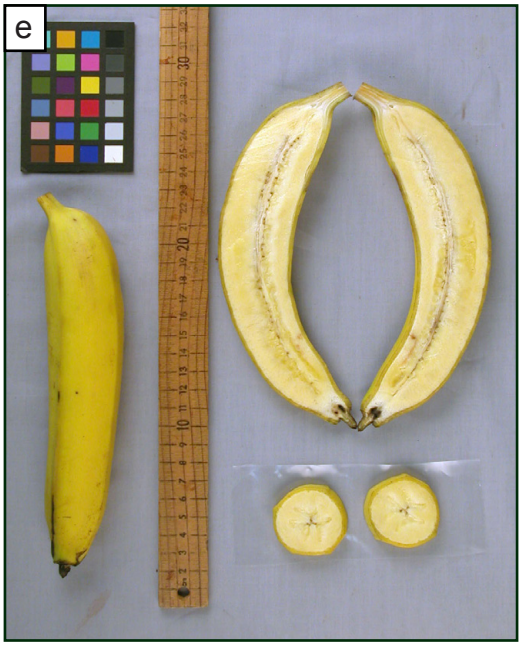
Agronomic

Days from plant to harvest	344
Days from flower to harvest	87
Plant diameter (cm)	18.0
Plant height (m)	3.7
Plant leaves at flowering	11.9
Plant leaves at harvest	6.8
Net bunch weight (kg)	15.8
Number of hands	6.5
Number of fruits	85.2
Pseudostem color	-
Propagating suckers at harvest	-
Bunch phenotype	-
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	2.5	1.6
Fruits per hand	13.1	12.8
Fruit width (mm)	36.5	32.8
Fruit length (cm)	24.0	18.2

*Data from Exp. #4 - BLS evaluation (see introduction)

TARS 17842 - 'TMB 5295-1'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AAAB)

TARS 17817 - 'TMPx 1621-1'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AAAB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: PITA 10

Status: Improved Cultivar

Origin: Nigeria (IITA)

USDA Backup: None

Donated to TARS: Unknown

Donors: International Institute for Tropical Agriculture, Ibadan, Nigeria.

Curator notes: Improved 'plantain' breeding line developed at the International Institute for Tropical Agriculture (IITA) Nigeria.

Genetic (SSR)

Marker	Alleles			
mMaCIR01	226	240	248	279
mMaCIR03	101	106	-	-
mMaCIR07	136	139	152	-
mMaCIR08	237	241	-	-
mMaCIR13	246	261	265	-
mMaCIR24	218	228	-	-
mMaCIR27	217	225	-	-
mMaCIR39	315	336	-	-
mMaCIR40	154	165	-	-
mMaCIR45	261	266	269	-
mMaCIR150	237	241	-	-
mMaCIR152	141	149	176	-
mMaCIR164	294	387	-	-
mMaCIR196	159	162	172	-
mMaCIR214	100	105	107	-
mMaCIR231	226	230	-	-
mMaCIR260	186	190	-	-
mMaCIR264	224	236	241	-
mMaCIR307	143	145	149	-
Ma 1-32	227	228	232	-
Ma 3-90	131	142	147	149

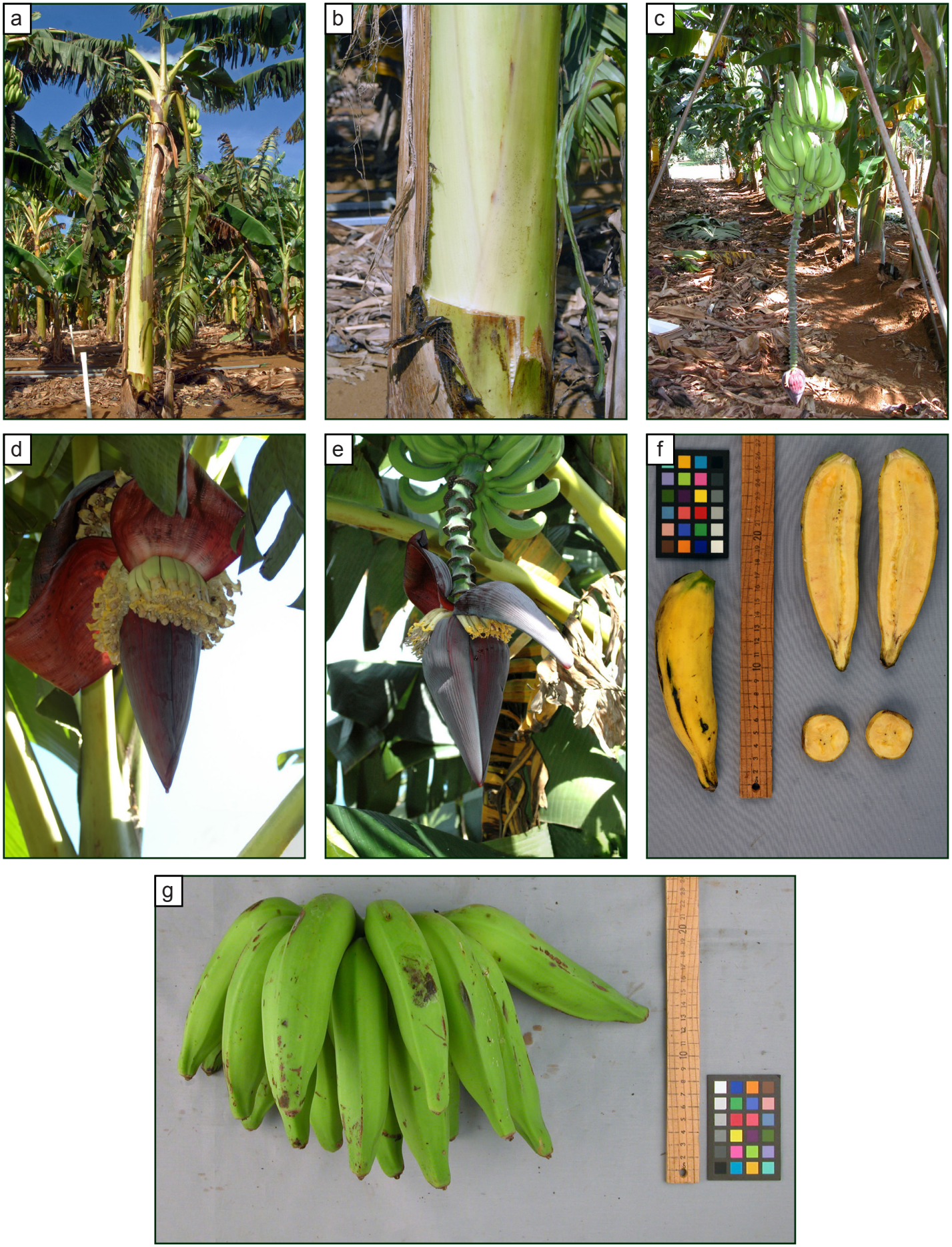
Agronomic

Days from plant to harvest	-
Days from flower to harvest	98.1
Plant diameter (cm)	19.2
Plant height (m)	3.5
Plant leaves at flowering	12.9
Plant leaves at harvest	10.9
Net bunch weight (kg)	15.8
Number of hands	6.9
Number of fruits	91.4
Pseudostem color	Green
Propagating suckers at harvest	4.1
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	0.174	0.112
Fruits per hand	13.3	11.0
Fruit width (mm)	42.2	39.9
Fruit length (cm)	20.7	18.8

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17817 - 'TMPx 1621-1'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d and e. Inflorescence; f. Ripe fruit; g. Third hand

Synthetic Hybrid (AAAB)

TARS 17821 - 'TMPx 4479-1'

Synthetic Hybrid (AABB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: PITA 17

Status: Improved Cultivar

Origin: Nigeria (IITA)

USDA Backup: None

Donated to TARS: Unknown

Donors: International Institute for Tropical Agriculture, Ibadan, Nigeria.

Curator notes: Improved 'plantain' breeding line developed at the International Institute for Tropical Agriculture (IITA) Nigeria.

Genetic (SSR)

Marker	Alleles			
mMaCIR01	226	240	248	279
mMaCIR03	101	106	-	-
mMaCIR07	128	136	139	152
mMaCIR08	241	245	-	-
mMaCIR13	246	263	265	-
mMaCIR24	218	228	-	-
mMaCIR27	217	225	-	-
mMaCIR39	315	336	-	-
mMaCIR40	154	164	-	-
mMaCIR45	261	266	269	-
mMaCIR150	237	-	-	-
mMaCIR152	141	149	166	-
mMaCIR164	294	387	-	-
mMaCIR196	159	162	174	-
mMaCIR214	103	105	107	-
mMaCIR231	226	230	232	-
mMaCIR260	186	190	192	-
mMaCIR264	224	233	236	241
mMaCIR307	143	145	149	-
Ma 1-32	227	228	232	-
Ma 3-90	131	135	142	147

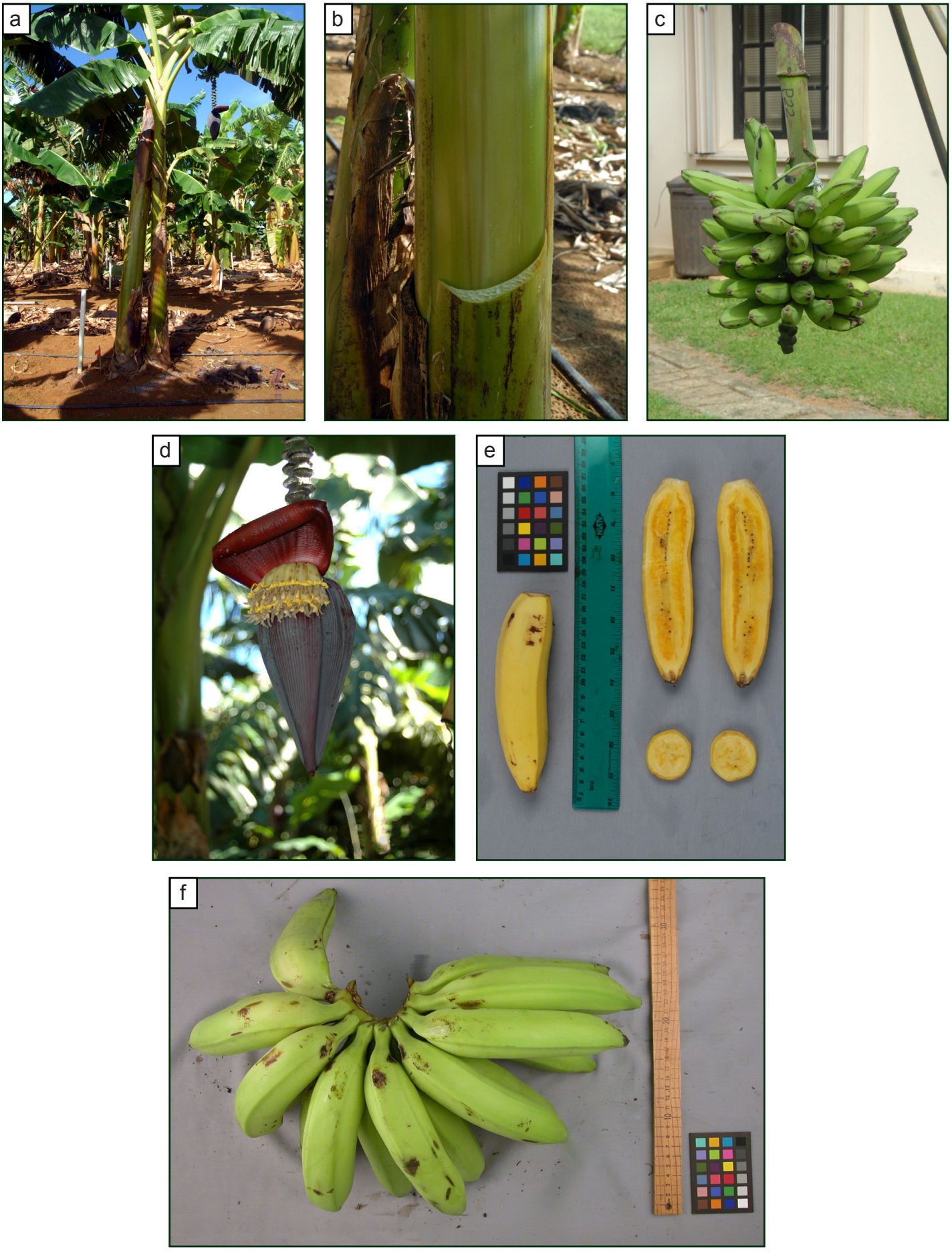
Agronomic

Days from plant to harvest	-
Days from flower to harvest	141.5
Plant diameter (cm)	17.4
Plant height (m)	3.2
Plant leaves at flowering	11.8
Plant leaves at harvest	9.5
Net bunch weight (kg)	19.7
Number of hands	7.3
Number of fruits	93.3
Pseudostem color	Green
Propagating suckers at harvest	5.3
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	0.218	0.176
Fruits per hand	13.9	6.3
Fruit width (mm)	41.0	38.2
Fruit length (cm)	20.9	18.7

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17821 - 'TMPx 4479-1'



a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AAAB)

TARS 17823 - 'TMPx 7152-2'

Synthetic Hybrid (AAAB)

Taxonomy

Genus: *Musa*

Species/Group: hybrid

Subspecies/Subgroup: Synthetic hybrid - AABB

Section: *Musa (Eumusa)* (n=11)

General

Synonyms: PITA 14

Status: Improved Cultivar

Origin: Nigeria (IITA)

USDA Backup: None

Donated to TARS: Unknown

Donors: International Institute for Tropical Agriculture, Ibadan, Nigeria.

Curator notes: Improved 'plantain' breeding line developed at the International Institute for Tropical Agriculture (IITA) Nigeria.

Genetic (SSR)

Marker	Alleles			
mMaCIR01	226	240	248	279
mMaCIR03	101	106	-	-
mMaCIR07	128	136	139	152
mMaCIR08	241	245	-	-
mMaCIR13	246	263	265	-
mMaCIR24	218	228	-	-
mMaCIR27	217	225	-	-
mMaCIR39	315	336	-	-
mMaCIR40	154	164	-	-
mMaCIR45	261	266	269	-
mMaCIR150	237	-	-	-
mMaCIR152	141	166	-	-
mMaCIR164	387	-	-	-
mMaCIR196	159	162	174	-
mMaCIR214	100	105	107	-
mMaCIR231	226	230	232	-
mMaCIR260	186	190	192	-
mMaCIR264	233	236	241	-
mMaCIR307	143	149	-	-
Ma 1-32	227	228	232	-
Ma 3-90	131	135	142	147

Agronomic

Days from plant to harvest	-
Days from flower to harvest	113.4
Plant diameter (cm)	15.4
Plant height (m)	2.9
Plant leaves at flowering	11.6
Plant leaves at harvest	9.7
Net bunch weight (kg)	13.4
Number of hands	7.1
Number of fruits	88.5
Pseudostem color	Green
Propagating suckers at harvest	5.2
Bunch phenotype	French-type
Economic Importance	Cooking
BLS Reaction	Resistant

	Third Hand	Last Hand
Weight (kg)	0.137	0.93
Fruits per hand	13.3	10.0
Fruit width (mm)	33.8	30.6
Fruit length (cm)	20.5	18.2

*Data from Exp. #1 - Plantain evaluation (see introduction)

TARS 17823 - 'TMPx 7152-2'

a. Pseudostem; b. Pseudostem detail; c. Bunch; d. Inflorescence; e. Ripe fruit; f. Third hand

Synthetic Hybrid (AAAB)

Abbreviations

ARS – Agricultural Research Service
BITA – Banana of 'International' Institute for Tropical Agriculture
BLS – Black leaf streak
CARBAP - Centre Africain de Recherche sur Bananiers et Plantains
DNA – Deoxyribonucleic acid
EMBRAPA – Empresa Brasileira de Pesquisa Agropecuária
FHIA – Fundación Hondureña de Investigación Agrícola
GRIN-Global – Genetic Resources Information Network
GMGC – Global Musa Genomics Consortium
IITA – International Institute for Tropical Agriculture
ITC – International Musa Transit Centre
NCGRP – National Center for Genetic Resources Preservation
NPGS – National Plant Germplasm System
PCR – Polymerase chain reaction
RFLP – Restriction Fragment Length Polymorphism
PDF – Portable document format
PITA – Plantain of 'International' Institute for Tropical Agriculture
PNG – Papua New Guinea
RAPD – Random Amplified Polymorphic DNA
RCBD – Randomized Complete Block Design
SH – Selected Hybrid
SHRS – Subtropical Horticulture Research Station
SSR – Simple Sequence Repeat
TARS – Tropical Agriculture Research Station
TMB – Tropical Musa Banana
TMP – Tropical Musa Plantain
UPR – University of Puerto Rico
USDA – United States Department of Agriculture

Glossary

(All terms are defined in the context of plant sciences and as they relate to Musa spp. genetic resources)

Accession: a collection of plant material from a particular location which is part of a basic unit of conservation in genebanks.

Allele: one of two or more alternative forms of a gene that arise by mutation and are found at the same place on a chromosome.

Amplification: a usually massive replication of genetic material and especially of a gene or DNA sequence (as in a polymerase chain reaction).

Black leaf streak: common name for the disease caused by the plant pathogenic fungus *Mycosphaerella fijiensis* (also known as Black Sigatoka).

Bunch: fruit attached to the rachis and protruding or harvested from banana plant pseudostem.

Chromosome: a threadlike structure of nucleic acids and protein found in the nucleus of most living cells, carrying genetic information in the form of genes.

Clone: a cell, cell product, or organism that is genetically identical to the unit or individual from which it was derived.

Cooking banana: banana that is starchy when ripe and requires cooking of some sort to be eaten.

Crop cycle: the time it takes from planting of a sucker or plantlet to harvesting of a mature bunch.

Cultivar: a plant variety that has been produced in cultivation by selective breeding.

Curator: a keeper or custodian of a plant germplasm collection.

Electrophoresis: the movement of charged particles in a fluid or gel under the influence of an electric field.

Ex situ: literally, "off-site" and is the process of protecting an endangered species of plant or animal outside of its natural habitat.

False-Horn (plantain): plantain bunch type with a semi-persistent male flower bud.

Fingerprint: characteristic DNA banding pattern, following electrophoresis, that identifies unique germplasm accessions.

Flow cytometry: a method of measuring fluorescence from stained cells that are in suspension with a laser and is used to measure cell size, number, viability and nucleic acid content.

French (plantain): plantain bunch type with a persistent male flower bud.

Functional leaves: leaves with greater than 50% leaf area which is photosynthetically active.

Genetic marker: a gene or short sequence of DNA used to identify a chromosome or to locate other genes on a genetic map.

Genomics: the branch of molecular biology concerned with the structure, function, evolution, and mapping of genomes.

Genotype: the genetic constitution of an individual organism.

Germplasm: are the living genetic resources such as seeds or tissue that is maintained for the purpose of animal and plant breeding, preservation, and other research uses.

Horn (plantain): plantain bunch type without a male flower bud.

In vitro: literally, "in glass" and is performed or taking place in a test tube, culture dish, or elsewhere outside a living organism.

Landrace: a local cultivar that has been improved by traditional agricultural methods.

Meristem: a region of plant tissue, found chiefly at the growing tips of roots and shoots and in the cambium, consisting of actively dividing cells forming new tissue.

Micropropagation: is the practice of rapidly multiplying stock plant material to produce a large number of progeny plants, using modern plant tissue culture methods.

Microsatellite (marker): is a tract of repetitive DNA in which certain DNA sequences (ranging in length from 2–5 base pairs) are repeated, typically 5-50 times.

Morphology: the form of living organisms, and with relationships between their structures.

Mother (cycle): first crop cycle after initial planting.

Musa: Genus for all banana plants.

Mutation: the changing of the structure of a gene, resulting in a variant form that may be transmitted to subsequent generations, caused by the alteration of single base units in DNA, or the deletion, insertion, or rearrangement of larger sections of genes or chromosomes.

Off-type: not true to type or markedly deviating from the normal or standard.

Phenotype: the set of observable characteristics of an individual resulting from the interaction of its genotype with the environment.

Plantlet: young tissue-culture-propagated plant.

Ploidy: the number of sets of chromosomes in a cell, or in the cells of an organism.

Primer: is a strand of short nucleic acid sequences (generally about 10 base pairs or longer) that serves as a starting point for DNA synthesis.

Pseudostem: a false stem made of the rolled bases of leaves.

Ratoon (cycle): second or subsequent crop cycle(s) after initial planting.

Restriction (digest): is a procedure used in molecular biology to prepare DNA for analysis or other processing in which enzymes cut or restrict the DNA into smaller fragments.

Somatic: any cell of a living organism other than the reproductive cells.

Suckers: a shoot (adventitious meristem) growing from the base or root of a tree or shrub and giving rise to a new plant, a clone of the plant from which it comes.

Synthetic hybrid: man-made recombinant selections which are the products of directed crosses.

Trait (genetic): an inherited characteristic and which is a specific characteristic of an organism.

Variety: in agriculture and horticulture, a group of cultivated plants which have the same characteristics.

Voucher: digital image that documents unique phenotypic traits.

Tropical Agriculture Research Station
Mayagüez, PR

USDA
United States Department of Agriculture
Agricultural Research Service