

chain	first	last	chain type	residue in helix	telo peptide	telo peptide residues
A	GLY1	ARG315	α 1	1 - 315		
B	GLY3001	HPR3318	α 2	1 - 315		
C	GLY6001	ARG6316	α 1	1 - 315		
D	GLY1235	GLN1549	α 1	235-549		
E	GLY4235	HPR4552	α 2	235-549		
F	GLY7235	GLN7549	α 1	235-549		
G	GLY937	TYR1038	α 1	937-1014	C	1015-1038
P	GLN8985	ALA9081	α 1	1 - 81	N	-15 - 0
H	GLY3937	TYR4028	α 2	937-1014	C	1015-1028
Q	GLN9092	HPR9181	α 2	1 - 81	N	-8 - 0
I	gly6937	TYR7038	α 1	937-1014	C	1015-1038
R	GLN9185	ALA9281	α 1	1 - 81	N	-15 - 0
J	GLY1703	PRO2014	α 1	703-1014		
K	GLY4703	PRO5014	α 2	703-1014		
L	GLY7703	PRO8014	α 1	703-1014		
M	GLY469	VAL783	α 1	469-783		
N	GLY3469	HPR3786	α 2	469-783		
O	GLY6469	VAL6783	α 1	469-783		

Note: The triple helical portion of the type I collagen molecule is represented by residues 1 - 1014. This model is a slice of a 5 triple helix microfibril that includes every residue.

MCF COMPOSITION

ALA	462
ARG	221
ASN	64
ASP	115
GLN	117
GLU	208
GLY	1444
HIS	17
HLY	17
HPR	457
ILE	50
LEU	107
LYS	124
MET	24
PHE	51
PRO	540
SER	160
THR	77
TYR	13
VAL	92

Note Model file MCF2012.txt will convert to Protein Data Bank format when the file extension is changed to pdb