

Table S1. Specific information about the 76 sequences employed to build the phylogenetic tree of the Figure 2.

Scientific name	Accession ID	Assigned name	Protein length (aa)	Reference
<i>Actinidia chinensis</i>	PSR95975.1	AcMAN1	1021	-
<i>Actinidia chinensis</i>	PSR87445.1	AcMAN2	1015	-
<i>Arabidopsis thaliana</i>	NP_196902.2	AtMAN1	1024	[64]
<i>Arabidopsis thaliana</i>	BAB11126.1	AtMAN2	1030	[65]
<i>Arabidopsis thaliana</i>	NP_201416.1	AtMAN3	1047	[64]
<i>Arabidopsis thaliana</i>	NP_189306.1	AtMAN4	1019	[66]
<i>Cajanus cajan</i>	KYP66601.1	CcaMAN1	1015	[67]
<i>Cajanus cajan</i>	KYP41565.1	CcaMAN2	1015	[67]
<i>Cajanus cajan</i>	KYP37037.1	CcaMAN3	1026	[67]
<i>Canavalia ensiformis</i>	6B9O_A	CeMAN1	980	[68]
<i>Capsicum annuum</i>	ADU20406.1	CaMAN1	1030	[17]
<i>Capsicum annuum</i>	KAF3641428.1	CaMAN2	1025	-
<i>Capsicum annuum</i>	KAF3623492.1	CaMAN3	1025	-
<i>Capsicum chinense</i>	PHU26937.1	CchMAN1	1006	[69]
<i>Capsicum chinense</i>	PHU15266.1	CchMAN2	1041	[69]
<i>Citrus sinensis</i>	XP_006466974.1	CsMAN1	1004	-
<i>Citrus sinensis</i>	XP_015387782.1	CsMAN2	1010	-
<i>Cucumis melo</i>	AGX24942.1	CmMAN1	1020	-
<i>Cucumis sativus</i>	XP_004135022.1	CsaMAN1	1007	-
<i>Fragaria x ananassa</i>	-	FaMAN1	1007	This paper
<i>Fragaria x ananassa</i>	-	FaMAN2	1007	This paper
<i>Fragaria x ananassa</i>	-	FaMAN3	1021	This paper
<i>Fragaria x ananassa</i>	-	FaMAN4	1010	This paper
<i>Fragaria x ananassa</i>	-	FaMAN5	1010	This paper
<i>Fragaria x ananassa</i>	-	FaMAN6	1007	This paper

<i>Fragaria x ananassa</i>	-	FaMAN7	1015	This paper
<i>Fragaria x ananassa</i>	-	FaMAN8	1022	This paper
<i>Fragaria x ananassa</i>	-	FaMAN9	1015	This paper
<i>Fragaria x ananassa</i>	-	FaMAN10	1022	This paper
<i>Glycine max</i>	KAH1266875.1	GmMAN1	1014	[70]
<i>Glycine max</i>	KAH1260237.1	GmMAN2	1012	[70]
<i>Glycine max</i>	KAH1255207.1	GmMAN3	1015	[70]
<i>Glycine max</i>	KAH1245996.1	GmMAN4	1022	[70]
<i>Glycine max</i>	KAH1204907.1	GmMAN5	1030	[70]
<i>Gossypium hirsutum</i>	XP_040933499.1	GhMAN1	1029	-
<i>Gossypium hirsutum</i>	XP_016696014.1	GhMAN2	1022	-
<i>Gossypium hirsutum</i>	XP_016668043.1	GhMAN3	1022	-
<i>Homo sapiens</i>	AAC34130.1	HsMAN1	1011	[71]
<i>Malus x domestica</i>	XP_028963445.1	MdMAN1	1023	-
<i>Malus x domestica</i>	XP_008379047.2	MdMAN2	1021	-
<i>Mangifera indica</i>	XP_044500627.1	MiMAN1	1003	-
<i>Mangifera indica</i>	XP_044500618.1	MiMAN2	1004	-
<i>Mangifera indica</i>	XP_044500612.1	MiMAN3	1004	-
<i>Olea europea</i>	CAA2983802.1	OeMAN1	1010	-
<i>Olea europea</i>	CAA2971903.1	OeMAN2	1014	-
<i>Olea europea</i>	CAA2935151.1	OeMAN3	1001	-
<i>Oryza sativa</i>	ABG22500.1	OsMAN1	1018	[72]
<i>Oryza sativa</i>	EEC68272.1	OsMAN2	1022	[73]
<i>Oryza sativa</i>	EEE50554.1	OsMAN4	1004	-
<i>Prunus avium</i>	XP_021816006.1	PaMAN1	1015	-
<i>Prunus persica</i>	AGC10269	PpMAN1	1024	-
<i>Prunus persica</i>	ONI20072.1	PpMAN2	1029	[74]

<i>Prunus persica</i>	ONI20071.1	PpMAN3	1027	[74]
<i>Prunus persica</i>	ONI20068.1	PpMAN4	1024	[74]
<i>Prunus persica</i>	ONI20067.1	PpMAN5	1024	[74]
<i>Prunus persica</i>	ONI07846.1	PpMAN6	1014	[74]
<i>Prunus persica</i>	ONH97113.1	PpMAN7	1015	[74]
<i>Punica granatum</i>	XP_031387946.1	PgMAN1	1010	-
<i>Pyrus x bretschneideri</i>	AGR44468.1	PbMAN1	1024	-
<i>Ricinus communis</i>	EEF51696.1	RcMAN1	1012	-
<i>Ricinus communis</i>	XP_002511094.1	RcMAN2	1012	-
<i>Solanum lycopersicum</i>	NP_001234851.1	SIMAN1	1028	[27]
<i>Solanum lycopersicum</i>	ABY83271.1	SIMAN2	1029	[16]
<i>Solanum pennellii</i>	XP_015064110.1	SpMAN1	1009	-
<i>Solanum pennellii</i>	XP_015079090.1	SpMAN2	1029	-
<i>Sorghum bicolor</i>	XP_021305978.1	SbMAN1	1011	-
<i>Sorghum bicolor</i>	XP_002464754.2	SbMAN2	1017	-
<i>Sorghum bicolor</i>	XP_002449583.1	SbMAN3	1019	-
<i>Theobroma cacao</i>	EOY22633.1	TcMAN1	1010	[75]
<i>Theobroma cacao</i>	EOY02952.1	TcMAN2	1015	[75]
<i>Theobroma cacao</i>	EOY02951.1	TcMAN3	1018	[75]
<i>Theobroma cacao</i>	EOX90816.1	TcMAN4	1012	[75]
<i>Vitis vinifera</i>	XP_002276092.2	VvMAN1	1025	-
<i>Zea mays</i>	PWZ38051.1	ZmMAN1	1016	[76]
<i>Zea mays</i>	ONM26645.1	ZmMAN2	1018	-
<i>Zea mays</i>	ONM26644.1	ZmMAN3	1016	-
