

Supplementary Material to “Genome-wide analysis of the Glycerol-3-Phosphate Acyltransferase (GPAT) gene family reveals the evolution and diversification of plant GPATs”

Table S1 - Species, gene name, accession numbers, protein length, protein domain information and number of introns of GPAT sequences retrieved in this study.

Species	Acronym	Protein Accession Number	Protein Length	Protein Domain	n° Introns
<i>Physcomitrella patens</i>	Ppa	Pp3c6_29200	517	Acyltransferase (PF01553) and HAD (PF12710)	0
<i>Physcomitrella patens</i>	Ppa	Pp3c2_18040	529	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Physcomitrella patens</i>	Ppa	Pp3c7_7840	513	Acyltransferase (PF01553)	1
<i>Physcomitrella patens</i>	Ppa	Pp3c5_1510	516	Acyltransferase (PF01553) and HAD (PF12710)	0
<i>Physcomitrella patens</i>	Ppa	Pp3c20_9340	510	Acyltransferase (PF01553)	4
<i>Physcomitrella patens</i>	Ppa	Pp3c6_29290	501	Acyltransferase (PF01553)	2
<i>Physcomitrella patens</i>	Ppa	Pp3c8_21680	504	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Physcomitrella patens</i>	Ppa	Pp3c11_26030	389	Acyltransferase (PF01553)	11
<i>Physcomitrella patens</i>	Ppa	Pp3c7_2970	488	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Sphagnum fallax</i>	Sfa	Sphfalx0076s0073	559	Acyltransferase (PF01553) and HAD (PF12710)	2
<i>Sphagnum fallax</i>	Sfa	Sphfalx0011s0239	617	Acyltransferase (PF01553)	1
<i>Sphagnum fallax</i>	Sfa	Sphfalx0028s0065	621	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Sphagnum fallax</i>	Sfa	Sphfalx0077s0057	522	Acyltransferase (PF01553)	1
<i>Sphagnum fallax</i>	Sfa	Sphfalx0149s0036	480	Acyltransferase (PF01553)	1
<i>Sphagnum fallax</i>	Sfa	Sphfalx0147s0003	616	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Sphagnum fallax</i>	Sfa	Sphfalx0054s0107	539	Acyltransferase (PF01553)	3
<i>Sphagnum fallax</i>	Sfa	Sphfalx0026s0045	530	Acyltransferase (PF01553)	1
<i>Sphagnum fallax</i>	Sfa	Sphfalx0033s0058	276	None	1
<i>Sphagnum fallax</i>	Sfa	Sphfalx0016s0227	401	Acyltransferase (PF01553)	11
<i>Sphagnum fallax</i>	Sfa	Sphfalx0001s0271	405	Acyltransferase (PF01553)	11
<i>Sphagnum fallax</i>	Sfa	Sphfalx0164s0011	488	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Selaginella moellendorffii</i>	Smo	80075	522	Acyltransferase (PF01553)	1
<i>Selaginella moellendorffii</i>	Smo	118155	494	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Selaginella moellendorffii</i>	Smo	90219	545	Acyltransferase (PF01553)	1
<i>Selaginella moellendorffii</i>	Smo	405228	524	Acyltransferase (PF01553)	1
<i>Selaginella moellendorffii</i>	Smo	80614	490	Acyltransferase (PF01553)	1
<i>Selaginella moellendorffii</i>	Smo	170163	529	HAD (PF12710)	2
<i>Selaginella moellendorffii</i>	Smo	164779	507	Acyltransferase (PF01553)	1
<i>Selaginella moellendorffii</i>	Smo	63752	461	HAD (PF12710)	1
<i>Selaginella moellendorffii</i>	Smo	233008	480	Acyltransferase (PF01553)	3
<i>Selaginella moellendorffii</i>	Smo	405007	516	None	1
<i>Selaginella moellendorffii</i>	Smo	152980	402	Acyltransferase (PF01553)	12
<i>Selaginella moellendorffii</i>	Smo	132845	355	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	10

Species	Acronym	Protein Accession Number	Protein Length	Protein Domain	n° Introns
<i>Amborella trichopoda</i>	Atr	evm_27.TU.AmTr_v1.0_scaffold00003.239	541	Acyltransferase (PF01553)	1
<i>Amborella trichopoda</i>	Atr	evm_27.TU.AmTr_v1.0_scaffold00179.5	521	Acyltransferase (PF01553)	1
<i>Amborella trichopoda</i>	Atr	evm_27.TU.AmTr_v1.0_scaffold00133.34	505	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Amborella trichopoda</i>	Atr	evm_27.TU.AmTr_v1.0_scaffold00009.182	498	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Amborella trichopoda</i>	Atr	evm_27.TU.AmTr_v1.0_scaffold00012.248	483	Acyltransferase (PF01553)	1
<i>Amborella trichopoda</i>	Atr	evm_27.TU.AmTr_v1.0_scaffold00029.356	324	Acyltransferase (PF01553)	1
<i>Amborella trichopoda</i>	Atr	evm_27.TU.AmTr_v1.0_scaffold00048.62	472	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	11
<i>Brachypodium distachyon</i>	Bdi	Bradi2g44377	552	Acyltransferase (PF01553)	1
<i>Brachypodium distachyon</i>	Bdi	Bradi1g09480	510	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Brachypodium distachyon</i>	Bdi	Bradi3g26655	513	Acyltransferase (PF01553)	1
<i>Brachypodium distachyon</i>	Bdi	Bradi2g55290	499	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Brachypodium distachyon</i>	Bdi	Bradi2g11450	531	Acyltransferase (PF01553)	1
<i>Brachypodium distachyon</i>	Bdi	Bradi1g73935	512	Acyltransferase (PF01553)	1
<i>Brachypodium distachyon</i>	Bdi	Bradi2g33165	532	HAD (PF12710)	1
<i>Brachypodium distachyon</i>	Bdi	Bradi2g23420	524	None	1
<i>Brachypodium distachyon</i>	Bdi	Bradi3g37245	565	Acyltransferase (PF01553)	2
<i>Brachypodium distachyon</i>	Bdi	Bradi3g01350	513	Acyltransferase (PF01553)	1
<i>Brachypodium distachyon</i>	Bdi	Bradi2g61040	495	Acyltransferase (PF01553)	0
<i>Brachypodium distachyon</i>	Bdi	Bradi2g41702	568	Acyltransferase (PF01553)	1
<i>Brachypodium distachyon</i>	Bdi	Bradi2g23400	535	None	1
<i>Brachypodium distachyon</i>	Bdi	Bradi4g04550	530	Acyltransferase (PF01553)	0
<i>Brachypodium distachyon</i>	Bdi	Bradi2g60975	454	Acyltransferase (PF01553)	3
<i>Brachypodium distachyon</i>	Bdi	Bradi1g02805	557	Acyltransferase (PF01553)	1
<i>Brachypodium distachyon</i>	Bdi	Bradi1g25790	364	Acyltransferase (PF01553)	11
<i>Brachypodium distachyon</i>	Bdi	Bradi3g34260	435	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Oryza sativa</i>	Osa	LOC_Os01g44069	544	Acyltransferase (PF01553)	1
<i>Oryza sativa</i>	Osa	LOC_Os10g27330	530	Acyltransferase (PF01553)	1
<i>Oryza sativa</i>	Osa	LOC_Os03g52570	467	Acyltransferase (PF01553)	1
<i>Oryza sativa</i>	Osa	LOC_Os01g63580	497	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Oryza sativa</i>	Osa	LOC_Os05g38350	522	HAD (PF12710)	1
<i>Oryza sativa</i>	Osa	LOC_Os11g45400	543	Acyltransferase (PF01553)	1
<i>Oryza sativa</i>	Osa	LOC_Os02g02340	506	Acyltransferase (PF01553)	1
<i>Oryza sativa</i>	Osa	LOC_Os05g20100	537	Acyltransferase (PF01553)	1
<i>Oryza sativa</i>	Osa	LOC_Os08g03700	495	Acyltransferase (PF01553)	0
<i>Oryza sativa</i>	Osa	LOC_Os01g19390	453	Acyltransferase (PF01553)	1
<i>Oryza sativa</i>	Osa	LOC_Os12g37600	558	Acyltransferase (PF01553)	1
<i>Oryza sativa</i>	Osa	LOC_Os03g61720	541	Acyltransferase (PF01553)	1
<i>Oryza sativa</i>	Osa	LOC_Os01g14900	570	Acyltransferase (PF01553)	1
<i>Oryza sativa</i>	Osa	LOC_Os05g37600	486	Acyltransferase (PF01553) and HAD (PF12710)	1

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<i>Oryza sativa</i>	Osa	LOC_Os10g41070	479	Acyltransferase (PF01553)	1
<i>Oryza sativa</i>	Osa	LOC_Os01g22560	264	Acyltransferase (PF01553)	0
<i>Oryza sativa</i>	Osa	LOC_Os07g34730	370	Acyltransferase (PF01553)	11
<i>Oryza sativa</i>	Osa	LOC_Os10g42720	427	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	13
<i>Panicum hallii</i>	Pha	Pahal.E02373	543	Acyltransferase (PF01553)	1
<i>Panicum hallii</i>	Pha	Pahal.I01831	547	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Panicum hallii</i>	Pha	Pahal.B03381	506	Acyltransferase (PF01553)	1
<i>Panicum hallii</i>	Pha	Pahal.E00896.	499	Acyltransferase (PF01553)	1
<i>Panicum hallii</i>	Pha	Pahal.I00545	506	Acyltransferase (PF01553)	1
<i>Panicum hallii</i>	Pha	Pahal.E03181	539	Acyltransferase (PF01553)	1
<i>Panicum hallii</i>	Pha	Pahal.C02741	514	HAD (PF12710)	1
<i>Panicum hallii</i>	Pha	Pahal.I04570	547	Acyltransferase (PF01553)	1
<i>Panicum hallii</i>	Pha	Pahal.H00181	566	Acyltransferase (PF01553)	1
<i>Panicum hallii</i>	Pha	Pahal.E03539	533	None	1
<i>Panicum hallii</i>	Pha	Pahal.C03674	537	None	1
<i>Panicum hallii</i>	Pha	Pahal.I01321	536	None	1
<i>Panicum hallii</i>	Pha	Pahal.A00044	520	Acyltransferase (PF01553)	1
<i>Panicum hallii</i>	Pha	Pahal.F02713	493	Acyltransferase (PF01553)	0
<i>Panicum hallii</i>	Pha	Pahal.I04042	487	Acyltransferase (PF01553)	0
<i>Panicum hallii</i>	Pha	Pahal.C02792	494	HAD (PF12710)	1
<i>Panicum hallii</i>	Pha	Pahal.B04165	423	Acyltransferase (PF01553)	11
<i>Panicum hallii</i>	Pha	Pahal.I03757	455	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	13
<i>Setaria italica</i>	Sit	Seita.9G101700	512	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Setaria italica</i>	Sit	Seita.9G261200	509	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Setaria italica</i>	Sit	Seita.5G386400	498	Acyltransferase (PF01553)	1
<i>Setaria italica</i>	Sit	Seita.9G527800	507	Acyltransferase (PF01553)	2
<i>Setaria italica</i>	Sit	Seita.4G285600	502	Acyltransferase (PF01553)	1
<i>Setaria italica</i>	Sit	Seita.3G291600	536	Acyltransferase (PF01553)	1
<i>Setaria italica</i>	Sit	Seita.3G218600	517	HAD (PF12710)	1
<i>Setaria italica</i>	Sit	Seita.5G028700	538	Acyltransferase (PF01553)	1
<i>Setaria italica</i>	Sit	Seita.3G223100	495	Acyltransferase (PF01553)	1
<i>Setaria italica</i>	Sit	Seita.5G060100	541	Acyltransferase (PF01553)	1
<i>Setaria italica</i>	Sit	Seita.8G234000	560	Acyltransferase (PF01553)	1
<i>Setaria italica</i>	Sit	Seita.9G023200	537	None	1
<i>Setaria italica</i>	Sit	Seita.3G334400	580	Acyltransferase (PF01553)	1
<i>Setaria italica</i>	Sit	Seita.1G116700	528	Acyltransferase (PF01553)	1
<i>Setaria italica</i>	Sit	Seita.6G074300	498	Acyltransferase (PF01553)	0
<i>Setaria italica</i>	Sit	Seita.3G219000	498	Acyltransferase (PF01553)	0
<i>Setaria italica</i>	Sit	Seita.9G527900	438	HAD (PF12710)	3

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<i>Setaria italica</i>	Sit	Seita.9G323800	493	Acyltransferase (PF01553)	0
<i>Setaria italica</i>	Sit	Seita.2G339000	371	Acyltransferase (PF01553)	11
<i>Setaria italica</i>	Sit	Seita.9G307400	449	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	13
<i>Setaria viridis</i>	Svi	Sevir.5G243800	551	Acyltransferase (PF01553)	1
<i>Setaria viridis</i>	Svi	Sevir.9G099900	512	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Setaria viridis</i>	Svi	Sevir.9G264100	509	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Setaria viridis</i>	Svi	Sevir.5G391500	498	Acyltransferase (PF01553)	1
<i>Setaria viridis</i>	Svi	Sevir.9G532600	507	Acyltransferase (PF01553)	2
<i>Setaria viridis</i>	Svi	Sevir.3G300000	536	Acyltransferase (PF01553)	1
<i>Setaria viridis</i>	Svi	Sevir.4G298000	502	Acyltransferase (PF01553)	1
<i>Setaria viridis</i>	Svi	Sevir.5G027400	538	Acyltransferase (PF01553)	1
<i>Setaria viridis</i>	Svi	Sevir.9G022800	531	HAD (PF12710)	1
<i>Setaria viridis</i>	Svi	Sevir.3G228100	495	Acyltransferase (PF01553)	1
<i>Setaria viridis</i>	Svi	Sevir.5G059700	541	Acyltransferase (PF01553)	1
<i>Setaria viridis</i>	Svi	Sevir.8G244100	560	Acyltransferase (PF01553)	1
<i>Setaria viridis</i>	Svi	Sevir.3G348800	580	Acyltransferase (PF01553)	1
<i>Setaria viridis</i>	Svi	Sevir.1G115700	528	Acyltransferase (PF01553)	1
<i>Setaria viridis</i>	Svi	Sevir.6G073400	498	Acyltransferase (PF01553)	0
<i>Setaria viridis</i>	Svi	Sevir.3G224100	498	Acyltransferase (PF01553)	0
<i>Setaria viridis</i>	Svi	Sevir.9G329700	493	Acyltransferase (PF01553)	0
<i>Setaria viridis</i>	Svi	Sevir.2G349100	371	Acyltransferase (PF01553)	11
<i>Setaria viridis</i>	Svi	Sevir.9G312800	449	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	13
<i>Sorghum bicolor</i>	Sbi	Sobic.003G229700	572	Acyltransferase (PF01553)	1
<i>Sorghum bicolor</i>	Sbi	Sobic.001G099300	505	Acyltransferase (PF01553) and HAD (PF12710)	2
<i>Sorghum bicolor</i>	Sbi	Sobic.001G250200	518	Acyltransferase (PF01553)	1
<i>Sorghum bicolor</i>	Sbi	Sobic.001G493300	524	Acyltransferase (PF01553)	1
<i>Sorghum bicolor</i>	Sbi	Sobic.003G360700	503	Acyltransferase (PF01553)	1
<i>Sorghum bicolor</i>	Sbi	Sobic.009G162000	522	HAD (PF12710)	1
<i>Sorghum bicolor</i>	Sbi	Sobic.004G010300	518	Acyltransferase (PF01553)	1
<i>Sorghum bicolor</i>	Sbi	Sobic.003G114200	555	None	1
<i>Sorghum bicolor</i>	Sbi	Sobic.003G142500	537	Acyltransferase (PF01553)	1
<i>Sorghum bicolor</i>	Sbi	Sobic.008G130800	603	Acyltransferase (PF01553)	1
<i>Sorghum bicolor</i>	Sbi	Sobic.001G026100	569	Acyltransferase (PF01553)	1
<i>Sorghum bicolor</i>	Sbi	Sobic.005G214400	581	Acyltransferase (PF01553)	1
<i>Sorghum bicolor</i>	Sbi	Sobic.009G202600	497	Acyltransferase (PF01553)	0
<i>Sorghum bicolor</i>	Sbi	Sobic.002G325300	371	Acyltransferase (PF01553)	11
<i>Sorghum bicolor</i>	Sbi	Sobic.001G283700	448	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	13
<i>Zea mays</i>	Zma	GRMZM2G165681	371	Acyltransferase (PF01553)	11
<i>Zea mays</i>	Zma	GRMZM2G123987	371	Acyltransferase (PF01553)	11

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<i>Zea mays</i>	Zma	GRMZM2G065203	545	Acyltransferase (PF01553)	1
<i>Zea mays</i>	Zma	GRMZM2G177150	557	Acyltransferase (PF01553)	1
<i>Zea mays</i>	Zma	GRMZM2G147917	511	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Zea mays</i>	Zma	GRMZM2G064590	521	Acyltransferase (PF01553)	1
<i>Zea mays</i>	Zma	GRMZM2G124042	506	Acyltransferase (PF01553)	1
<i>Zea mays</i>	Zma	GRMZM2G166176	498	Acyltransferase (PF01553)	1
<i>Zea mays</i>	Zma	GRMZM2G083195	502	Acyltransferase (PF01553)	1
<i>Zea mays</i>	Zma	GRMZM2G059637	512	HAD (PF12710)	1
<i>Zea mays</i>	Zma	GRMZM2G072298	542	None	1
<i>Zea mays</i>	Zma	GRMZM2G156729	537	Acyltransferase (PF01553)	1
<i>Zea mays</i>	Zma	GRMZM2G070304	525	Acyltransferase (PF01553)	1
<i>Zea mays</i>	Zma	GRMZM2G033767	537	Acyltransferase (PF01553)	1
<i>Zea mays</i>	Zma	GRMZM2G020320	515	Acyltransferase (PF01553)	0
<i>Zea mays</i>	Zma	GRMZM2G131378	496	Acyltransferase (PF01553)	0
<i>Zea mays</i>	Zma	GRMZM2G159890	447	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	11
<i>Aquilegia coerulea</i>	Aco	Aquca_057_00060	565	Acyltransferase (PF01553)	1
<i>Aquilegia coerulea</i>	Aco	Aquca_003_00476	524	Acyltransferase (PF01553)	1
<i>Aquilegia coerulea</i>	Aco	Aquca_045_00017	496	Acyltransferase (PF01553)	1
<i>Aquilegia coerulea</i>	Aco	Aquca_029_00122	540	Acyltransferase (PF01553)	1
<i>Aquilegia coerulea</i>	Aco	Aquca_004_00312	495	Acyltransferase (PF01553)	1
<i>Aquilegia coerulea</i>	Aco	Aquca_025_00147	509	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Aquilegia coerulea</i>	Aco	Aquca_045_00015	482	Acyltransferase (PF01553)	1
<i>Aquilegia coerulea</i>	Aco	Aquca_004_00505	499	Acyltransferase (PF01553)	1
<i>Aquilegia coerulea</i>	Aco	Aquca_010_00671	477	Acyltransferase (PF01553)	1
<i>Aquilegia coerulea</i>	Aco	Aquca_013_00284	499	Acyltransferase (PF01553)	1
<i>Aquilegia coerulea</i>	Aco	Aquca_009_00928	490	Acyltransferase (PF01553)	1
<i>Aquilegia coerulea</i>	Aco	Aquca_009_00929	461	Acyltransferase (PF01553)	1
<i>Aquilegia coerulea</i>	Aco	Aquca_001_00233	361	Acyltransferase (PF01553)	11
<i>Aquilegia coerulea</i>	Aco	Aquca_047_00038	362	Acyltransferase (PF01553)	11
<i>Aquilegia coerulea</i>	Aco	Aqcoe3G171100	376	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	13
<i>Mimulus guttatus</i>	Mgu	Migut.M00497	547	Acyltransferase (PF01553)	1
<i>Mimulus guttatus</i>	Mgu	Migut.M00495	518	Acyltransferase (PF01553)	2
<i>Mimulus guttatus</i>	Mgu	Migut.J00189	492	Acyltransferase (PF01553)	1
<i>Mimulus guttatus</i>	Mgu	Migut.L01365	506	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Mimulus guttatus</i>	Mgu	Migut.H00880	502	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Mimulus guttatus</i>	Mgu	Migut.N01447	504	Acyltransferase (PF01553)	2
<i>Mimulus guttatus</i>	Mgu	Migut.F00761	503	Acyltransferase (PF01553)	1
<i>Mimulus guttatus</i>	Mgu	Migut.B01763	507	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Mimulus guttatus</i>	Mgu	Migut.G00542	504	Acyltransferase (PF01553)	1

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<i>Mimulus guttatus</i>	Mgu	Migut.G00541	495	Acyltransferase (PF01553)	1
<i>Mimulus guttatus</i>	Mgu	Migut.O00899	358	Acyltransferase (PF01553)	1
<i>Mimulus guttatus</i>	Mgu	Migut.N01350	370	Acyltransferase (PF01553)	11
<i>Mimulus guttatus</i>	Mgu	Migut.E00743	458	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Solanum lycopersicum</i>	Sly	Solyc07g056320.2	546	Acyltransferase (PF01553)	2
<i>Solanum lycopersicum</i>	Sly	Solyc02g087500.1	508	Acyltransferase (PF01553)	1
<i>Solanum lycopersicum</i>	Sly	Solyc04g005840.1	499	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Solanum lycopersicum</i>	Sly	Solyc09g014350.2	504	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Solanum lycopersicum</i>	Sly	Solyc01g094700.2	501	Acyltransferase (PF01553)	1
<i>Solanum lycopersicum</i>	Sly	Solyc04g011600.2	491	Acyltransferase (PF01553)	2
<i>Solanum lycopersicum</i>	Sly	Solyc05g053030.1	502	None	1
<i>Solanum lycopersicum</i>	Sly	Solyc10g084900.1	486	Acyltransferase (PF01553) and HAD (PF12710)	0
<i>Solanum lycopersicum</i>	Sly	Solyc08g082340.2	371	Acyltransferase (PF01553)	11
<i>Solanum lycopersicum</i>	Sly	Solyc08g076470.2	470	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	13
<i>Solanum tuberosum</i>	Stu	PGSC0003DMG400012284	371	Acyltransferase (PF01553)	11
<i>Solanum tuberosum</i>	Stu	PGSC0003DMG400017301	544	Acyltransferase (PF01553)	2
<i>Solanum tuberosum</i>	Stu	PGSC0003DMG400002838	502	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Solanum tuberosum</i>	Stu	PGSC0003DMG400040955	508	Acyltransferase (PF01553)	1
<i>Solanum tuberosum</i>	Stu	PGSC0003DMG400001404	480	Acyltransferase (PF01553)	1
<i>Solanum tuberosum</i>	Stu	PGSC0003DMG400000046	501	Acyltransferase (PF01553)	1
<i>Solanum tuberosum</i>	Stu	PGSC0003DMG400020315	506	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Solanum tuberosum</i>	Stu	PGSC0003DMG400011080	493	Acyltransferase (PF01553) and HAD (PF12710)	0
<i>Solanum tuberosum</i>	Stu	PGSC0003DMG400011079	494	Acyltransferase (PF01553)	0
<i>Solanum tuberosum</i>	Stu	PGSC0003DMG400006342	396	Acyltransferase (PF01553)	2
<i>Solanum tuberosum</i>	Stu	PGSC0003DMG400011077	489	Acyltransferase (PF01553)	0
<i>Solanum tuberosum</i>	Stu	PGSC0003DMG400028523	302	Acyltransferase (PF01553)	0
<i>Solanum tuberosum</i>	Stu	PGSC0003DMT400032021	371	Acyltransferase (PF01553)	10
<i>Eucalyptus grandis</i>	Egr	Eucgr.A01977	549	Acyltransferase (PF01553)	1
<i>Eucalyptus grandis</i>	Egr	Eucgr.F04388	517	Acyltransferase (PF01553)	1
<i>Eucalyptus grandis</i>	Egr	Eucgr.B03397	503	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Eucalyptus grandis</i>	Egr	Eucgr.K03558	554	Acyltransferase (PF01553)	1
<i>Eucalyptus grandis</i>	Egr	Eucgr.F04389	457	Acyltransferase (PF01553)	1
<i>Eucalyptus grandis</i>	Egr	Eucgr.A00515	509	Acyltransferase (PF01553)	1
<i>Eucalyptus grandis</i>	Egr	Eucgr.E00121	503	Acyltransferase (PF01553)	2
<i>Eucalyptus grandis</i>	Egr	Eucgr.J01235	489	Acyltransferase (PF01553)	1
<i>Eucalyptus grandis</i>	Egr	Eucgr.G02949	519	HAD (PF12710)	1
<i>Eucalyptus grandis</i>	Egr	Eucgr.I01507	375	Acyltransferase (PF01553)	11
<i>Eucalyptus grandis</i>	Egr	Eucgr.E00228	401	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Eucalyptus grandis</i>	Egr	Eucgr.E01634	285	Acyltransferase (PF01553)	8

Species	Acronym	Protein Accession Number	Protein Length	Protein Domain	n° Introns
<i>Manihot esculenta</i>	Mes	Manes.02G084800	532	Acyltransferase (PF01553)	1
<i>Manihot esculenta</i>	Mes	Manes.01G127800	539	Acyltransferase (PF01553)	1
<i>Manihot esculenta</i>	Mes	Manes.02G157300	514	Acyltransferase (PF01553)	1
<i>Manihot esculenta</i>	Mes	Manes.01G230400	546	Acyltransferase (PF01553)	1
<i>Manihot esculenta</i>	Mes	Manes.05G012900	546	Acyltransferase (PF01553)	1
<i>Manihot esculenta</i>	Mes	Manes.01G193000	501	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Manihot esculenta</i>	Mes	Manes.09G103500	505	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Manihot esculenta</i>	Mes	Manes.08G089900	503	Acyltransferase (PF01553)	1
<i>Manihot esculenta</i>	Mes	Manes.07G118400	491	Acyltransferase (PF01553)	1
<i>Manihot esculenta</i>	Mes	Manes.01G255900	500	Acyltransferase (PF01553)	2
<i>Manihot esculenta</i>	Mes	Manes.11G106900	375	Acyltransferase (PF01553)	11
<i>Populus trichocarpa</i>	Ptr	Potri.005G202200	542	Acyltransferase (PF01553)	1
<i>Populus trichocarpa</i>	Ptr	Potri.002G192600	552	Acyltransferase (PF01553)	1
<i>Populus trichocarpa</i>	Ptr	Potri.016G063900	501	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Populus trichocarpa</i>	Ptr	Potri.006G198100	501	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Populus trichocarpa</i>	Ptr	Potri.016G113100	500	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Populus trichocarpa</i>	Ptr	Potri.006G097800	497	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Populus trichocarpa</i>	Ptr	Potri.010G201200	488	Acyltransferase (PF01553)	1
<i>Populus trichocarpa</i>	Ptr	Potri.008G058200	489	Acyltransferase (PF01553)	1
<i>Populus trichocarpa</i>	Ptr	Potri.014G085500	500	Acyltransferase (PF01553)	2
<i>Populus trichocarpa</i>	Ptr	Potri.001G136600	453	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Ricinus communis</i>	Rco	30122.t000017	360	Acyltransferase (PF01553)	10
<i>Ricinus communis</i>	Rco	28350.t000007	537	Acyltransferase (PF01553)	1
<i>Ricinus communis</i>	Rco	29736.t000066	504	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Ricinus communis</i>	Rco	29822.t000116	512	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Ricinus communis</i>	Rco	29908.t000018	543	Acyltransferase (PF01553)	1
<i>Ricinus communis</i>	Rco	30076.t000182	509	Acyltransferase (PF01553)	3
<i>Ricinus communis</i>	Rco	30174.t000012	501	Acyltransferase (PF01553) and HAD (PF12710)	2
<i>Ricinus communis</i>	Rco	27568.t000015	490	Acyltransferase (PF01553)	1
<i>Ricinus communis</i>	Rco	29969.t000007	293	Acyltransferase (PF01553)	1
<i>Ricinus communis</i>	Rco	30068.t000150	455	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	11
<i>Citrus sinensis</i>	Csi	orange1.1g009120m.g	543	Acyltransferase (PF01553)	1
<i>Citrus sinensis</i>	Csi	orange1.1g009762m.g	526	Acyltransferase (PF01553)	1
<i>Citrus sinensis</i>	Csi	orange1.1g042288m.g	515	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Citrus sinensis</i>	Csi	orange1.1g042170m.g	543	Acyltransferase (PF01553)	1
<i>Citrus sinensis</i>	Csi	orange1.1g043920m.g	504	Acyltransferase (PF01553)	1
<i>Citrus sinensis</i>	Csi	orange1.1g010860m.g	499	Acyltransferase (PF01553)	2
<i>Citrus sinensis</i>	Csi	orange1.1g018906m.g	349	Acyltransferase (PF01553)	2
<i>Citrus sinensis</i>	Csi	orange1.1g038704m.g	237	Acyltransferase (PF01553)	0

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<i>Citrus sinensis</i>	Csi	orange1.lg017205m	375	Acyltransferase (PF01553)	11
<i>Citrus clementina</i>	Ccl	Ciclev10028672m.g	375	Acyltransferase (PF01553)	11
<i>Citrus clementina</i>	Ccl	Ciclev10031163m.g	543	Acyltransferase (PF01553)	1
<i>Citrus clementina</i>	Ccl	Ciclev10001145m.g	447	Acyltransferase (PF01553)	1
<i>Citrus clementina</i>	Ccl	Ciclev10013880m.g	515	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Citrus clementina</i>	Ccl	Ciclev10023483m.g	543	Acyltransferase (PF01553)	1
<i>Citrus clementina</i>	Ccl	Ciclev10033948m.g	504	Acyltransferase (PF01553)	1
<i>Citrus clementina</i>	Ccl	Ciclev10011536m.g	503	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Citrus clementina</i>	Ccl	Ciclev10031344m.g	490	Acyltransferase (PF01553)	1
<i>Citrus clementina</i>	Ccl	Ciclev10019825m.g	499	Acyltransferase (PF01553)	2
<i>Citrus clementia</i>	Ccl	Ciclev10001047m.g	469	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Gossypium raimondii</i>	Gra	Gorai.012G158300	378	Acyltransferase (PF01553)	11
<i>Gossypium raimondii</i>	Gra	Gorai.005G258500	377	Acyltransferase (PF01553)	11
<i>Gossypium raimondii</i>	Gra	Gorai.008G098000	541	Acyltransferase (PF01553)	1
<i>Gossypium raimondii</i>	Gra	Gorai.006G181200	504	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Gossypium raimondii</i>	Gra	Gorai.010G045500	516	Acyltransferase (PF01553)	1
<i>Gossypium raimondii</i>	Gra	Gorai.007G078200	510	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Gossypium raimondii</i>	Gra	Gorai.004G145100	543	Acyltransferase (PF01553)	1
<i>Gossypium raimondii</i>	Gra	Gorai.012G112800	515	Acyltransferase (PF01553)	1
<i>Gossypium raimondii</i>	Gra	Gorai.011G151300	504	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Gossypium raimondii</i>	Gra	Gorai.004G235900	538	Acyltransferase (PF01553)	1
<i>Gossypium raimondii</i>	Gra	Gorai.011G267100	494	Acyltransferase (PF01553)	1
<i>Gossypium raimondii</i>	Gra	Gorai.012G071300	488	Acyltransferase (PF01553)	1
<i>Gossypium raimondii</i>	Gra	Gorai.007G100100	500	Acyltransferase (PF01553)	2
<i>Gossypium raimondii</i>	Gra	Gorai.011G267200	405	Acyltransferase (PF01553)	3
<i>Gossypium raimondii</i>	Gra	Gorai.007G033500	440	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	11
<i>Gossypium raimondii</i>	Gra	Gorai.004G182200	446	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Gossypium raimondii</i>	Gra	Gorai.003G185500	461	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Theobroma cacao</i>	Tca	Thecc1EG006479	416	Acyltransferase (PF01553)	12
<i>Theobroma cacao</i>	Tca	Thecc1EG001873	540	Acyltransferase (PF01553)	1
<i>Theobroma cacao</i>	Tca	Thecc1EG034986	553	Acyltransferase (PF01553)	2
<i>Theobroma cacao</i>	Tca	Thecc1EG034985	522	Acyltransferase (PF01553)	1
<i>Theobroma cacao</i>	Tca	Thecc1EG004855	537	Acyltransferase (PF01553)	1
<i>Theobroma cacao</i>	Tca	Thecc1EG021737	503	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Theobroma cacao</i>	Tca	Thecc1EG018071	507	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Theobroma cacao</i>	Tca	Thecc1EG026783	531	Acyltransferase (PF01553)	1
<i>Theobroma cacao</i>	Tca	Thecc1EG010070	593	Acyltransferase (PF01553) and HAD (PF12710)	3
<i>Theobroma cacao</i>	Tca	Thecc1EG042716	488	Acyltransferase (PF01553)	2
<i>Theobroma cacao</i>	Tca	Thecc1EG005317	500	Acyltransferase (PF01553)	3

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<i>Theobroma cacao</i>	Tca	Thecc1EG016600	461	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	13
<i>Arabidopsis lyrata</i>	Aly	919369	584	Acyltransferase (PF01553)	1
<i>Arabidopsis lyrata</i>	Aly	470198	525	Acyltransferase (PF01553)	1
<i>Arabidopsis lyrata</i>	Aly	943550	520	Acyltransferase (PF01553)	1
<i>Arabidopsis lyrata</i>	Aly	478480	502	Acyltransferase (PF01553)	4
<i>Arabidopsis lyrata</i>	Aly	482818	501	Acyltransferase (PF01553)	2
<i>Arabidopsis lyrata</i>	Aly	918798	502	Acyltransferase (PF01553)	3
<i>Arabidopsis lyrata</i>	Aly	490527	498	Acyltransferase (PF01553)	4
<i>Arabidopsis lyrata</i>	Aly	349873	499	Acyltransferase (PF01553)	1
<i>Arabidopsis lyrata</i>	Aly	950810	376	Acyltransferase (PF01553)	11
<i>Arabidopsis lyrata</i>	Aly	AL1G46330	459	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Arabidopsis thaliana</i>	Ath	AT1G06520	585	Acyltransferase (PF01553)	1
<i>Arabidopsis thaliana</i>	Ath	AT1G02390	530	Acyltransferase (PF01553)	1
<i>Arabidopsis thaliana</i>	Ath	AT2G38110	501	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Arabidopsis thaliana</i>	Ath	AT4G01950	520	Acyltransferase (PF01553)	1
<i>Arabidopsis thaliana</i>	Ath	AT3G11430	502	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Arabidopsis thaliana</i>	Ath	AT1G01610	503	Acyltransferase (PF01553) and HAD (PF12710)	3
<i>Arabidopsis thaliana</i>	Ath	AT5G06090	500	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Arabidopsis thaliana</i>	Ath	AT4G00400	500	Acyltransferase (PF01553) and HAD (PF12710)	3
<i>Arabidopsis thaliana</i>	Ath	AT5G06020	376	Acyltransferase (PF01553)	11
<i>Arabidopsis thaliana</i>	Ath	AT1G32200	459	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Arabidopsis thaliana</i>	Ath	AT3G11325	376	None	2
<i>Brassica rapa</i>	Bra	Brara.A00307	376	Acyltransferase (PF01553)	11
<i>Brassica rapa</i>	Bra	Brara.J01416	368	Acyltransferase (PF01553)	11
<i>Brassica rapa</i>	Bra	Brara.J00449	571	Acyltransferase (PF01553)	1
<i>Brassica rapa</i>	Bra	Brara.K01852	500	Acyltransferase (PF01553)	3
<i>Brassica rapa</i>	Bra	Brara.A03408	502	Acyltransferase (PF01553)	1
<i>Brassica rapa</i>	Bra	Brara.I00118	531	Acyltransferase (PF01553)	1
<i>Brassica rapa</i>	Bra	Brara.C02835	520	Acyltransferase (PF01553)	1
<i>Brassica rapa</i>	Bra	Brara.I05638	501	Acyltransferase (PF01553)	2
<i>Brassica rapa</i>	Bra	Brara.E02936	500	Acyltransferase (PF01553)	1
<i>Brassica rapa</i>	Bra	Brara.D02328	501	Acyltransferase (PF01553)	1
<i>Brassica rapa</i>	Bra	Brara.J00035	503	Acyltransferase (PF01553)	2
<i>Brassica rapa</i>	Bra	Brara.E00709	501	Acyltransferase (PF01553)	1
<i>Brassica rapa</i>	Bra	Brara.J02607	498	Acyltransferase (PF01553)	1
<i>Brassica rapa</i>	Bra	Brara.E02888	458	Acyltransferase (PF01553)	2
<i>Brassica rapa</i>	Bra	Brara.H00582	454	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Brassica rapa</i>	Bra	Brara.E01731	440	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Brassica rapa</i>	Bra	Brara.I02607	443	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12

Species	Acronym	Protein Accession Number	Protein Length	Protein Domain	n° Introns
<i>Capsella grandiflora</i>	Cgr	Cagra.1671s0280	577	Acyltransferase (PF01553)	1
<i>Capsella grandiflora</i>	Cgr	Cagra.1968s0023	529	Acyltransferase (PF01553)	1
<i>Capsella grandiflora</i>	Cgr	Cagra.0334s0034	521	Acyltransferase (PF01553)	1
<i>Capsella grandiflora</i>	Cgr	Cagra.1655s0027	503	Acyltransferase (PF01553)	1
<i>Capsella grandiflora</i>	Cgr	Cagra.1968s0101	502	Acyltransferase (PF01553)	3
<i>Capsella grandiflora</i>	Cgr	Cagra.2117s0053	500	Acyltransferase (PF01553)	1
<i>Capsella grandiflora</i>	Cgr	Cagra.1261s0029	502	Acyltransferase (PF01553)	3
<i>Capsella grandiflora</i>	Cgr	Cagra.1655s0038	499	Acyltransferase (PF01553)	1
<i>Capsella grandiflora</i>	Cgr	Cagra.15555s0001	289	Acyltransferase (PF01553)	0
<i>Capsella grandiflora</i>	Cgr	Cagra.2519s0033	377	Acyltransferase (PF01553)	11
<i>Capsella grandiflora</i>	Cgr	Cagra.3957s0001	460	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	11
<i>Capsella rubella</i>	Cru	Carubv10026601m.g	377	Acyltransferase (PF01553)	11
<i>Capsella rubella</i>	Cru	Carubv10012249m	577	Acyltransferase (PF01553)	1
<i>Capsella rubella</i>	Cru	Carubv10008716m	568	Acyltransferase (PF01553)	1
<i>Capsella rubella</i>	Cru	Carubv10000657m	540	Acyltransferase (PF01553)	1
<i>Capsella rubella</i>	Cru	Carubv10013500m	503	Acyltransferase (PF01553)	1
<i>Capsella rubella</i>	Cru	Carubv10023060m	502	Acyltransferase (PF01553)	1
<i>Capsella rubella</i>	Cru	Carubv10008926m	502	Acyltransferase (PF01553)	3
<i>Capsella rubella</i>	Cru	Carubv10000788m	500	Acyltransferase (PF01553)	1
<i>Capsella rubella</i>	Cru	Carubv10000780m	502	Acyltransferase (PF01553)	3
<i>Capsella rubella</i>	Cru	Carubv10015640m	499	Acyltransferase (PF01553)	1
<i>Capsella rubella</i>	Cru	Carubv10012611m.g	459	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	11
<i>Eutrema salsugineum</i>	Esa	Thhalv10007168m	586	Acyltransferase (PF01553)	1
<i>Eutrema salsugineum</i>	Esa	Thhalv10020574m	500	Acyltransferase (PF01553)	1
<i>Eutrema salsugineum</i>	Esa	Thhalv10007347m	529	Acyltransferase (PF01553)	1
<i>Eutrema salsugineum</i>	Esa	Thhalv10028577m	521	Acyltransferase (PF01553)	1
<i>Eutrema salsugineum</i>	Esa	Thhalv10007431m	502	Acyltransferase (PF01553)	3
<i>Eutrema salsugineum</i>	Esa	Thhalv10016551m	501	Acyltransferase (PF01553)	1
<i>Eutrema salsugineum</i>	Esa	Thhalv10028601m	499	Acyltransferase (PF01553)	3
<i>Eutrema salsugineum</i>	Esa	Thhalv10015521m	500	Acyltransferase (PF01553)	1
<i>Eutrema salsugineum</i>	Esa	Thhalv10013846m.g	376	Acyltransferase (PF01553)	11
<i>Eutrema salsugineum</i>	Esa	Thhalv10007540m.g	471	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Cucumis sativus</i>	Csa	Cucsa.099550	375	Acyltransferase (PF01553)	10
<i>Cucumis sativus</i>	Csa	Cucsa.185470	496	Acyltransferase (PF01553)	3
<i>Cucumis sativus</i>	Csa	Cucsa.339200	511	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Cucumis sativus</i>	Csa	Cucsa.176200	505	Acyltransferase (PF01553)	1
<i>Cucumis sativus</i>	Csa	Cucsa.165180	447	Acyltransferase (PF01553)	1
<i>Cucumis sativus</i>	Csa	Cucsa.135570	500	Acyltransferase (PF01553)	2
<i>Cucumis sativus</i>	Csa	Cucsa.204890	542	Acyltransferase (PF01553)	1

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<i>Cucumis sativus</i>	Csa	Cucsa.312830	470	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Glycine max</i>	Gma	Glyma.14G028300	540	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.02G286500	539	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.18G107100	527	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.08G309200	533	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.14G167300	505	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.13G085700	503	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.03G221100	539	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.19G218100	540	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.02G010600	555	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.07G146800	496	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Glycine max</i>	Gma	Glyma.14G167400	497	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.03G221300	509	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.10G011000.	556	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.18G197800	539	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Glycine max</i>	Gma	Glyma.01G113200	492	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.03G078600	498	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Glycine max</i>	Gma	Glyma.20G070400	512	Acyltransferase (PF01553)	2
<i>Glycine max</i>	Gma	Glyma.10G119900	509	Acyltransferase (PF01553)	2
<i>Glycine max</i>	Gma	Glyma.02G249300	472	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.03G008300	500	Acyltransferase (PF01553)	2
<i>Glycine max</i>	Gma	Glyma.07G069700	499	Acyltransferase (PF01553)	3
<i>Glycine max</i>	Gma	Glyma.14G067200	472	Acyltransferase (PF01553)	1
<i>Glycine max</i>	Gma	Glyma.06G255600	278	Acyltransferase (PF01553)	0
<i>Glycine max</i>	Gma	Glyma.09G119200	376	Acyltransferase (PF01553)	13
<i>Glycine max</i>	Gma	Glyma.08G085800	373	Acyltransferase (PF01553)	12
<i>Glycine max</i>	Gma	Glyma.05G131100	373	Acyltransferase (PF01553)	12
<i>Glycine max</i>	Gma	Glyma.01G014200	458	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Glycine max</i>	Gma	Glyma.09G207900	470	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Medicago truncatula</i>	Mtr	Medtr4g127910	376	Acyltransferase (PF01553)	11
<i>Medicago truncatula</i>	Mtr	Medtr2g438210	364	Acyltransferase (PF01553)	11
<i>Medicago truncatula</i>	Mtr	Medtr5g091660	539	Acyltransferase (PF01553)	1
<i>Medicago truncatula</i>	Mtr	Medtr3g448430	511	Acyltransferase (PF01553)	1
<i>Medicago truncatula</i>	Mtr	Medtr5g061520	489	Acyltransferase (PF01553)	1
<i>Medicago truncatula</i>	Mtr	Medtr4g415290	495	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Medicago truncatula</i>	Mtr	Medtr7g067380	498	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Medicago truncatula</i>	Mtr	Medtr1g040500	568	Acyltransferase (PF01553) and HAD (PF12710)	2
<i>Medicago truncatula</i>	Mtr	Medtr8g030620	505	Acyltransferase (PF01553)	2
<i>Medicago truncatula</i>	Mtr	Medtr1g086650	542	Acyltransferase (PF01553)	1

Species	Acronym	Protein Accession Number	Protein Length	Protein Domain	n° Introns
<i>Medicago truncatula</i>	Mtr	Medtr5g080360	493	Acyltransferase (PF01553)	1
<i>Medicago truncatula</i>	Mtr	Medtr5g029230	457	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Phaseolus vulgaris</i>	Pvu	Phvu1.006G033100	532	Acyltransferase (PF01553)	1
<i>Phaseolus vulgaris</i>	Pvu	Phvu1.008G191600	366	Acyltransferase (PF01553)	1
<i>Phaseolus vulgaris</i>	Pvu	Phvu1.008G169500	501	Acyltransferase (PF01553)	1
<i>Phaseolus vulgaris</i>	Pvu	Phvu1.008G106700	496	Acyltransferase (PF01553) and HAD (PF12710)	1
<i>Phaseolus vulgaris</i>	Pvu	Phvu1.008G169400	505	Acyltransferase (PF01553)	1
<i>Phaseolus vulgaris</i>	Pvu	Phvu1.007G233600	512	Acyltransferase (PF01553) and HAD (PF12710)	2
<i>Phaseolus vulgaris</i>	Pvu	Phvu1.007G212600	540	Acyltransferase (PF01553)	1
<i>Phaseolus vulgaris</i>	Pvu	Phvu1.010G099700	501	Acyltransferase (PF01553) and HAD (PF12710)	2
<i>Phaseolus vulgaris</i>	Pvu	Phvu1.L005200	493	Acyltransferase (PF01553)	1
<i>Phaseolus vulgaris</i>	Pvu	Phvu1.003G022900	376	Acyltransferase (PF01553)	14
<i>Phaseolus vulgaris</i>	Pvu	Phvu1.002G191600	325	Acyltransferase (PF01553)	12
<i>Phaseolus vulgaris</i>	Pvu	Phvu1.002G136600	461	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	12
<i>Chlamydomonas reinhardtii</i>	Cre	Cre06.g273250	456	Acyltransferase (PF01553)	8
<i>Chlamydomonas reinhardtii</i>	Cre	Cre02.g143000	410	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	1
<i>Volvox carteri</i>	Vca	Vocar.0002s0353	435	Acyltransferase (PF01553)	7
<i>Volvox carteri</i>	Vca	Vocar.0054s0035	406	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	1
<i>Coccomyxa subellipsoidea</i>	Csu	gw1.3.285.1	313	Acyltransferase (PF01553)	4
<i>Coccomyxa subellipsoidea</i>	Csu	estExt_Genewise1Plus.C_210008	429	Acyltransferase (PF01553) and Glycerol-3-phosphate acyltransferase N-terminal (PF14829)	5
<i>Micromonas pusilla</i>	Mpu	MicpuC2.estExt_Genewise1Plus.C_160166	343	Acyltransferase (PF01553)	0
<i>Micromonas pusilla</i>	Mpu	e_gw1.8.756.1	452	Acyltransferase (PF01553)	2
<i>Micromonas sp.</i>	Msp	estExt_Genewise2Plus.C_Chrom_050706	389	Acyltransferase (PF01553)	1
<i>Micromonas sp.</i>	Msp	estExt_fgenes2_pg.C_Chrom_110323	430	Acyltransferase (PF01553)	1
<i>Ostreococcus lucimarinus</i>	Olu	estExt_Genewise_ext.C_Chrom_160282	380	Acyltransferase (PF01553)	0
<i>Ostreococcus lucimarinus</i>	Olu	eugene.0200010222	429	Acyltransferase (PF01553)	0
<i>Ostreococcus lucimarinus</i>	Olu	eugene1.1.0200012220	429	Acyltransferase (PF01553)	0