

AG02/3/7	AG04/6/8/9	AG01/5/10
Smo_98227_537-591	PSDGGFNMMSRFRLCGVTRRRTLVNFAFLARQD...VDAITSEITTRCAAVGVQMDP.....	
Sacu_v1.1_s0035.g011378_408-467	PSNGSNNLLNSCVVEGGNVTYVALISPDQNFKHS...AREPVSSLRRKCNELGVTMAEQTI1.....	
Azfi_s0074.g037328_576-634	.KFGAFLMSSCMVFGKVTYVALYCFDNTYNFAA...ANAVHGI SKRCMELGTTIAQKVMV1.....	
Gmo_000103297t10_509-573	...FNLMLRSQVFGQSNINCWALMCFITGNAADQQLQSMVQQFSYQIACRCTOIGLPRMVERPEIQDVFRRFI	
Gbi_chr10.1551_435-521	.DDRQFNLMLRSIVFEGKRIIDKMLLSEFRDAPSKQ.AKLVENRGRFMVSRCAELGLNNQSPVTVEFDS.	
Gbi_chr10.1550_600-659	...FNLINSHVFDGKHTDKWGLTYFBSWQRPSWQEEKSVENANFI TORCSDLGLHNNPNPVVW.....	
Gbi_chr10.1549_591-653	...FNLNNSHVFDGKHTDKWGLTYFBSLQRPSSWQEKICLDNFWNSLTGRCRELGLHNGDPVVRREAD.....	
Sacu_v1.1_s0004.g002271_456-513	.TGGFNNFKFVEPCGGIKSVMNIDTRMSPQDWSRJAHQIAQACINRGAAMPAP.....	
Gbi_chr2.294_512-566	PRNGWNNFKTMR.AALIKSVAANINPRGHPNAKFI LAHELQCCSKRGGVMS.....	
OsalOC_0s04g06770.2_477-557	.RNGWNNFKRTIQ.TCSYDKVAVVNFASARGD...VRNLRDTRIRNSAKGQWAFDF.VFEESPSIRRAPVSRVYDDMFPQIKS	
S_lycopersicum01g008960.2.1_474-523	.RNGWNNFKRLVD.PTKIERWAVVNFASARGD...YQGLVSDLLKCGKQKGMV.....	
S_lycopersicum06g07430.1.1_470-518	...SNGWNNFKRFFE.SAKYVKWAVVNFASARGD...IGKLVKCTGLGETGKSVFAPLK.VFEESRIIHRAPPVGRVYDKMFEETIQ.	
S_lycopersicum06g07350.2.1_479-556	...RNGWNNFKRFFE.SAKYVKWAVVNFASARGD...YRGLVRLDTRLGETGKSVFAEPE.VFEESPOLRRAPPVGRVYDKMFEETI.	
AT2627040.1_AG04_489-539	.RNGWNNFKFVE.PTKIQRWVAVVNFASARGD...YRQVYDILKTIQSGSGTEIA.....	
AT5621030.2_AG08_442-522	.INGWNNFKTEFK.PATVTRWAVVNFASARGD...PQKIDDLTRCGKMGKVNDSYHYVFEESPPQFKDTGVSRYDKMFEQHLQ.	
Kn100085_0250_v1.1_591-657	PSMCAFMNMGKKVRDGGRTATFELINLAVRWVLEQTYNQARELVQMTTTEQMNRSFAIEPYAGR.....	
A_trichopoda00024.271_588-664	PRTGQNMIDKKMVAAGVPTACVNFNSK...LYPRAVESFCDELVALCRRLSQENRPPVIFANARPENVERLDDHW.	
A_trichopoda0002.501_506-582	PRYGQNMINKKMVNPAGVPTACVNFNSR...VNPRAVQGFQDELVTMCRNMGDPRPPFLPIENARPDQVEKLLMFFVL.	
S_lycopersicum06g07430.2.1_561-634	.RYGQNMIDKKMVAAGVPTACVNFNSR...VNPRAVQGFQDELVTMCRNMGDPRPPFLPIENARPDQVEKLLMFFVL.	
S_tuberosum006347150.2_569-642	...RYGQNMIDKKLINAHVNCVCFVSSFRVPP...PERLVDRLLHMCISKMSFES.PLVPLRAHPPEQIEKLRDIHR	
AT2627880.1_AG05_553-631	PRYGQNMIDKKMVAAGVPTACVNFNSR...VNPRAVQGFQDELVTMCRNMGDPRPPFLPIENARPDQVEKLLMFFVL.	
OsalOC_0s03g47830.1_415-523	PSYGQNMINKKMVNGGCIYVACLTAS.RHIVADIRHFCEDLVGCMNIIQHMNTRPCVDI1QQQQNIEGAIINIIHR	
OsalOC_0s03g47820.1_607-685	PSYGQNMINKKMVNGGCIYVACLTAS.RHIVADIRHFCEDLVGCMNIIQHMNTRPCVDI1QQQQNIEGAIINIIHR	
OsalOC_0s07g09020.1_593-668	PRYGQNMINKKMVGGVAVYKIVACLTAS.VHRLCGELVYTCNATGVNEMPEIIVGSRAPNIEAALSNI...	
OsalOC_0s03g23050.1_274-350	...SYGQNMIAEKKIINGGALDNTLSNLSR.MRPEE.VQRFCGDLIQMCNATGMSFNPRPVDVDRSSIPNNQNALRDVIR	
OsalOC_0s03g58600.1_604-680	...SYGQNMINKKMVGGVAVYKIVACLTAS.VHRLCGELVYTCNATGVNEMPEIIVGSRAPNIEAALSNI...	
OsalOC_0s03g57560.1_248-323	...SYGQNMINKKMVGGVAVYKIVACLTAS.VHRLCGELVYTCNATGVNEMPEIIVGSRAPNIEAALSNI...	
OsalOC_0s02g07310.1_422-481	...SYGQNMINKKMVGGVAVYKIVACLTAS.VHRLCGELVYTCNATGVNEMPEIIVGSRAPNIEAALSNI...	
Sacu_v1.1_s0026.g009481_506-581	.RTGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Azfi_s0074.g037455_546-623	.TVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Mopoly0001_s0149.1.p_643-718	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Spnfalx096015200.1.p_598-674	.SILGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Spnfalx066022200.1.p_684-740	.SYGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Spnfalx146083100.1.p_684-745	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Spnfalx136073300.1.p_677-744	.HYGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Spnfalx0306054000.1.p_543-599	.KYGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Spnfalx096099700.1.p_674-750	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Spnfalx126090500.1.p_665-741	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Spnfalx076106400.1.p_658-717	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Ppa_XP_024364358.1_707-782	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Ppa_XP_024375716.1_731-789	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Ppa_XP_024375707.1_733-791	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Ppa_XP_024401591.1_685-743	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Ppa_XP_024401595.1_685-743	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Ppa_XP_024401594.1_685-743	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Ppa_XP_024401593.1_685-743	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Ppa_XP_024401592.1_685-743	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Sacu_v1.1_s0075.g017428_708-778	.VYGQNMIDKMKVNGGVIYVACLTAS.VHRLCGELVYTCNATGVNEMPEIIVGSRAPNIEAALSNI...	
Azfi_s0460.g072055_912-987	.VYGQNMIDKMKVNGGVIYVACLTAS.VHRLCGELVYTCNATGVNEMPEIIVGSRAPNIEAALSNI...	
Azfi_s0045.g029842_699-772	.EYGQNMIDKMKVNGGVIYVACLTAS.VHRLCGELVYTCNATGVNEMPEIIVGSRAPNIEAALSNI...	
Smo_232189_549-624	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Smo_446086_488-565	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Smo_110151_502-579	.QDGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Smo_109987_496-573	.QDGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Gbi_chr10.57_868-945	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Gmo_000370427.05_633-710	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Gbi_chr1.1984_555-632	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
Gmo_000557173:01_453-530	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
A_trichopoda00122.61_523-599	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
S_lycopersicum12g006790.1.1_484-560	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
OsalOC_0s06g39640.1_524-600	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
A_trichopoda00002.566_482-558	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
S_lycopersicum09g082830.2.1_530-606	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
AT5643810.3_AC010_535-611	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
AT1648410.2_AG01_587-661	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
S_lycopersicum03g098280.2.1_514-587	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
S_lycopersicum06g072300.2.1_588-661	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
A_trichopoda00044.24_644-717	.QVGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
OsalOC_0s02g58490.1_546-619	.RYGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
OsalOC_0s06g51310.2_577-650	.RYGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
OsalOC_0s02g45070.1_617-690	.RTGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	
OsalOC_0s04g47870.1_654-728	.RYGQNMINKMIDGAVTSATVCFINFSH.VNPNVYQGFCEKELCSMGVSNMTRNPKPAIRISARPDQVEPALRVN...	

Supplementary Figure S4. MID domain alignment of three groups of AGOs.