

MASCOT score	Corresponding gel position†	Approx. size (kDa)	Peptide Set	Description	Protein sequences used for BLASTP @ TAIR		Putative <i>Arabidopsis</i> orthologue
					gi No.	Plant Species	
324	b	116	R.LASFYER.A	70kD vacuolar H ⁺ -ATPase	gi 167560	<i>Daucus carota</i>	At1g78900*
	b, d	116, 83.5	R.SGDVYIPR.G				
	b, d	116, 83.5	R.TTLVANTSNMPVAAR.E				
	b	116	R.DMGYNVSMMDASTR.W				
	c	105	K.TVISQALSK.Y				
	c	105	K.FEDPAEGEDVLVGK.F				
	d	83	K.DTVLELEFQGVK.K				
	d	83	R.EDDLNEIVQLVGK.D				
	d	83	R.LAEMPADSGYPAYLAAR.L				
283	g	68	R.VVSVGDGIAR.V	F1 ATPase	gi 12986	<i>Helianthus annuus</i>	At2g07698*
	g, 3	68, 105	K.AVDSLVPIGR.G				
	g	68	R.AAELTTLLESR.I				
	g	68	R.VVDALGVPIDGR.G				
	g, 3	68, 105	K.SVHEPMQTGLK.A				
185	26	32	R.EIQAAFR.T	Plant-type phosphoenolpyruvate carboxylase	gi 23503558	<i>Lotus japonicus</i>	At1g53310*
	25	33	K.NIGINER.V		gi 18458	<i>Flaveria pringlei</i>	At2g42600
	25	33	R.VTPEVTR.D				At3g14940
	25	33	K.KISPGEPYR.I				
	26	32	K.LADLETAPAALAR.L				
	26	32	R.FVEYFR.L				
	o	35	R.LATPELEYGR.M				
152	11	79	K.AAQEALYVR.C	Fructose-bisphosphate aldolase-like protein	gi 7529717	<i>Arabidopsis thaliana</i>	At3g52930*
	11	79	K.GILAADESTGTIGK.R				At2g36460
121	p	26	R.NLLSVAYK.N	14-3-3-like protein GF14 Upsilon	gi 9755651	<i>Arabidopsis thaliana</i>	At5g16050*
	p	26	R.EENVYLAK.L				
	p	26	R.YEEMVEFMEK.V				
115	d, e	83, 80	R.GGGPTYLAIQSQPPGSMGTLR.V	Bacterial-type phosphoenolpyruvate carboxylase	gi 18073826	<i>Cycas revoluta</i>	At1g68750*
	d	83	K.FGLPQTAVR.Q				
99	o	35	R.LISQTISSLTSLR.F	TUA1	gi 15217737	<i>Arabidopsis thaliana</i>	At1g64740*
	o	35	R.AVFLDLEPTVIDEVR.T				
81	m	43	K.ASNPFVNLK.K	Type IIIa membrane protein cp-wap13	gi 2218152	<i>Vigna unguiculata</i>	At3g02230*
	m	43	R.YVDAVLTIPK.G				
78	15	65	K.VGLAQMLR.G	Pyridoxine biosynthesis protein-like	gi 7320719	<i>Arabidopsis thaliana</i>	At2g38210*
	15	65	R.TKGEAGTGNIEAVR.H				At2g38230
	15	65					At5g01410
53	f	72	R.IDAVDASTVK.R	Metalloendopeptidase	gi 15232845	<i>Arabidopsis thaliana</i>	At3g02090*
53	12	79	R.SQGSQSGDGGQSGVEGQTPR.F	Zinc finger (C3HC4-type RING finger) family protein	gi 15231003	<i>Arabidopsis thaliana</i>	At3g19950*
43	3, 12	105, 79	K.LELSDIAGR.V	APUM5 (ARABIDOPSIS PUMILIO 5); RNA binding	gi 30685690	<i>Arabidopsis thaliana</i>	At3g20250*
41	e	80	R.MGIIRGIGR.G	T23J18.8	gi 6554181	<i>Arabidopsis thaliana</i>	At1g11410*
				S-locus protein kinase, putative	gi 15220362	<i>Arabidopsis thaliana</i>	At1g11340*

*, checked by RT-PCR (see Figure 1)

†, see Additional file 3