

Supplementary Table-1: *Arabidopsis* - rice cross hits for uORF coded peptides

S.No	Accession (Arabidopsis)	Accession (Rice)	Gene Name	E-Value	Similarity
1	AT1G23150.1 (51)	AK060405 (39) AK104437(39)	expressed protein	2e-004 2e-004	83% (15/18) 83% (15/18)
2	AT1G70780.1 (50)	AK060405 (39) AK104437 (39)	expressed protein	5e-004 5e-004	77% (17/22) 77% (17/22)
3	AT5G07840.1 (38)	AK060523 (40) AK103103 (40)	ankyrin repeat family protein	0.001 0.001	61% (22/36) 61% (22/36)
4	AT5G52550.1 (52)	AK060830 (52) AK121824 (52)	expressed protein	8e-011 8e-011	74% (32/43) 74% (32/43)
5	AT4G36990.1 (36)	AK061433 (38)	heat shock factor protein 4 (HSF4)	3e-005	81% (18/22)
6	AT3G25570.1 (54)	AK062133 (52) AK070259 (52)	adenosylmethionine decarboxylase family protein	2e-017 2e-017	83% (45/54) 83% (45/54)
7	AT1G02880.1 (109)	AK064797 (85)	thiamin pyrophosphokinase, putative	5e-018	62% (53/85)
8	AT5G50010.1 (51)	AK065674 (47)	expressed protein	2e-015	74% (38/51)
9	AT5G64340.1 (53)	AK065674 (47) AK071582 (48)	expressed protein	6e-011 5e-005	66% (35/53) 63% (29/46)
10	AT3G02470.1 (52)	AK067166 (51) AK072162 (51) AK098918 (51) AK100589 (51)	adenosylmethionine decarboxylase family protein	1e-020 1e-020 1e-020 1e-020	92% (47/51) 92% (47/51) 92% (47/51) 92% (47/51)
11	AT1G28580.2 (101)	AK067418 (90) AK100480 (51)	GDSL-motif lipase	8e-006 7e-007	56% (31/55) 68% (22/32)
12	AT2G31550.1 (125)	AK067418 (90)	GDSL-motif lipase/hydrolase family protein	2e-012	59% (50/84)
13	AT5G53590.1 (34)	AK068270 (30) AK109491 (30)	auxin-responsive family protein, similar to indole-3-acetic acid induced protein ARG7	3e-006 3e-006	80% (25/31) 80% (25/31)
14	AT1G17980.2 (63)	AK068880 (129)	nucleotidyltransferase family protein	2e-016	74% (47/63)

15	AT1G58120.1 (36)	AK069088 (36)	expressed protein	9e-007	72% (26/36)
16	AT3G53400.1 (38)	AK069088 (36)	expressed protein	0.006	100% (14/14)
17	AT5G03190.1 (45)	AK069088 (36)	expressed protein	0.006	100% (14/14)
18	AT4G10955.1 (274)	AK069181 (199)	lipase class 3 family protein	4e-006	81% (26/32)
19	AT1G29950.2 (48)	AK071582 (48) AK101749 (43)	expressed protein	1e-009 4e-006	76% (29/38) 77% (28/36)
20	AT5G15950.1 (52)	AK072162 (51) AK098918 (51) AK100589 (51)	Adenosylmethionine6decarboxylase family protein	3e-019 3e-019 3e-019	88% (45/51) 88% (45/51) 88% (45/51)
21	AT2G29070.1 (42)	AK099770 (327)	ubiquitin fusion degradation UFD1 family protein	0.002	55% (19/34)
22	AT3G24560.3 (213)	AK100307 (176)	expressed protein	2e-038	71% (94/132)
23	AT3G28130.1 (74)	AK105859 (71)	nodulin MtN21 family protein	1e-004	58% (32/55)
24	AT1G11450.1 (123)	AK105859 (71)	nodulin MtN21 family protein	2e-004	46% (26/56)
25	AT1G01070.2 (83)	AK105859 (71)	nodulin MtN21 family protein	0.005	47% (27/57)
26	AT3G01470.1 (29)	AK119592 (37)	homeobox-leucine zipper protein 5 (HAT5) / HD-ZIP protein 5 / HD-ZIP protein (HB-1)	3e-006	80% (21/26)
27	AT4G25670.1 (52)	AK121824 (53)	expressed protein	7e-010	77% (31/40)
28	AT4G25690.2 (52)	AK121824 (53)	expressed protein	1e-006	67% (27/40)