

Supplemental Table 2. Predicted domains in STA1 protein

Database	Accession	Domain	Position
prosite	PS50053	Ubiquitin domain	1-85
pfam	PF06424	PRP1 splicing factor, N-terminal	102-266
pfam	PF02184	RNA-processing protein, HAT helix	367-399
smart	SM00386	RNA-processing protein, HAT helix	401-433
pfam	PF02184	RNA-processing protein, HAT helix	431-463
smart	SM00386	RNA-processing protein, HAT helix	462-494
pfam	PF02184	RNA-processing protein, HAT helix	492-524
smart	SM00386	RNA-processing protein, HAT helix	522-554
pfam	PF02184	RNA-processing protein, HAT helix	570-600
prosite	PS00015	Bipartite nuclear localization signal	624-641
pfam	PF02184	RNA-processing protein, HAT helix	639-671
smart	SM00386	RNA-processing protein, HAT helix	707-739
pfam	PF02184	RNA-processing protein, HAT helix	741-772
pfam	PF07719	TPR repeat 2	760-793
smart	SM00386	RNA-processing protein, HAT helix	774-806
pfam	PF00515	TPR repeat 1	794-827
pfam	PF02184	RNA-processing protein, HAT helix	808-840
pfam	PF07719	TPR repeat 2	828-861
smart	SM00386	RNA-processing protein, HAT helix	842-874
pfam	PF07719	TPR repeat 2	862-895
smart	SM00386	RNA-processing protein, HAT helix	876-908
smart	SM00028	TPR repeat	926-959
pfam	PF02184	RNA-processing protein, HAT helix	940-972

Supplemental Table 3. List of genes with expression level significantly higher more than 2 times in *sta1-1* than in the wild type

Probe ID	Fold Change	p-value	AGI ID	Gene Name
260522_x_at	15.98	0.05	At2g41730	expressed protein
263402_at	14.62	0.03	At2g04050	MATE efflux family protein
248434_at	10.91	0.02	At5g51440	23.5 kDa mitochondrial small heat shock protein (HSP23.5-M)
247615_at	9.43	0.01	At5g60250	zinc finger (C3HC4-type RING finger) family protein
263515_at	8.28	0.03	At2g21640	expressed protein
264042_at	7.47	0.04	At2g03760	steroid sulfotransferase, putative
263061_at	7.38	0.00	At2g18190	AAA-type ATPase family protein
253894_at	6.61	0.04	At4g27150	2S seed storage protein 2
263401_at	6.59	0.00	At2g04070	MATE efflux family protein
265422_at	6.25	0.02	At2g20800	pyridine nucleotide-disulphide oxidoreductase family protein
255893_at	6.20	0.01	At1g17960	threonyl-tRNA synthetase, putative
249784_at	6.15	0.02	At5g24280	expressed protein
245173_at	5.50	0.02	At2g47520	AP2 domain-containing transcription factor, putative
256989_at	4.02	0.03	At3g28580	AAA-type ATPase family protein
256459_at	4.00	0.02	At1g36180	acetyl-CoA carboxylase 2 (ACC2)
261192_at	3.81	0.02	At1g32870	no apical meristem (NAM) family protein
265099_at	3.69	0.04	At1g03990	alcohol oxidase-related
266729_at	3.55	0.04	At2g03130	ribosomal protein L12 family protein
265668_at	3.53	0.03	At2g32020	GCN5-related N-acetyltransferase (GNAT) family protein
251432_at	3.49	0.02	At3g59820	calcium-binding mitochondrial protein-related
251012_at	3.39	0.04	At5g02580	expressed protein
251282_at	3.23	0.03	At3g61630	AP2 domain-containing transcription factor, putative
266618_at	3.16	0.02	At2g35480	expressed protein
250024_at	3.15	0.02	At5g18270	no apical meristem (NAM) family protein
266217_at	3.10	0.02	At2g28820	ribosomal protein L16 family protein
252427_at	3.09	0.04	At3g47640	basic helix-loop-helix (bHLH) family protein
246282_at	3.06	0.02	At4g36580	AAA-type ATPase family protein
253890_s_at	3.06	0.05	At5g54100	band 7 family protein
264821_at	2.96	0.04	At1g03470	kinase interacting family protein
257809_at	2.91	0.02	At3g27060	ribonucleoside-diphosphate reductase small chain, putative
258418_at	2.79	0.02	At3g16660	expressed protein
247989_at	2.74	0.04	At5g56350	pyruvate kinase, putative
264868_at	2.65	0.04	At1g24090	RNase H domain-containing protein
250196_at	2.61	0.02	At5g14580	polyribonucleotide nucleotidyltransferase, putative
256132_at	2.59	0.03	At1g13610	expressed protein
260227_at	2.57	0.04	At1g74450	expressed protein
255430_at	2.55	0.04	At4g03320	chloroplast protein import component-related
267162_s_at	2.51	0.04	At2g37690	phosphoribosylaminoimidazole carboxylase family protein