

Supplementary data

Data mining of *Arabidopsis thaliana* salt-response proteins based on bioinformatics analysisGuo Meili^{1*}, Gao Weixi¹, Yu Xuejuan¹, Zhou Chunxi², Liu Fujun³, Liu Xin³

Supplementary Table 1 (292 salt-response proteins)

No. of salt-response proteins	Protein AC	Protein ID	Protein name
1	Q8RXN0	AB11G_ARATH	ABC transporter G family member 11 (ABC transporter ABCG.11) (AtABCG11) (Protein CUTICULAR DEFECT AND ORGAN FUSION 1) (Protein DESPERADO) (Protein PERMEABLE LEAVES 1) (White-brown complex homolog protein 11) (AtWBC11)
2	Q9C8K2	AB12G_ARATH	ABC transporter G family member 12 (ABC transporter ABCG.12) (AtABCG12) (Protein ECERIFERUM 5) (White-brown complex homolog protein 12) (AtWBC12)
3	Q9C8J8	AB13G_ARATH	ABC transporter G family member 13 (ABC transporter ABCG.13) (AtABCG13) (White-brown complex homolog protein 13) (AtWBC13)
4	Q7GB25	AB5C_ARATH	ABC transporter C family member 5 (ABC transporter ABCC.5) (AtABCC5) (EC 3.6.3.44) (ATP-energized glutathione S-conjugate pump 5) (Glutathione S-conjugate-transporting ATPase 5) (Multidrug resistance-associated protein 5)
5	Q9SJN0	ABI5_ARATH	Protein ABSCISIC ACID-INSENSITIVE 5 (Dc3 promoter-binding factor 1) (AtDPBF1) (Protein GROWTH-INSENSITIVITY TO ABA 1) (bZIP transcription factor 39) (AtbZIP39)
6	O22218	ACA4_ARATH	Calcium-transporting ATPase 4, plasma membrane-type (EC 3.6.3.8) (Ca(2+)-ATPase isoform 4)
7	Q41931	ACCO2_ARATH	1-aminocyclopropane-1-carboxylate oxidase 2 (ACC oxidase 2) (AtACO2) (EC 1.14.17.4)
8	Q42560	ACO1_ARATH	Aconitate hydratase 1 (Aconitase 1) (EC 4.2.1.3) (Citrate hydro-lyase 1)
9	Q9SIB9	ACO2M_ARATH	Aconitate hydratase 2, mitochondrial (Aconitase 2) (EC 4.2.1.3) (Citrate hydro-lyase 2)
10	Q96293	ACT8_ARATH	Actin-8
11	P06525	ADH1_ARATH	Alcohol dehydrogenase class-P (EC 1.1.1.1)
12	Q9S7Z2	AFP4_ARATH	Ninja-family protein AFP4 (ABI five-binding protein 4) (ABI5-binding protein 4) (Protein TWO OR MORE ABRES-CONTAINING GENE 2)

13	Q9C5U2	AHK2_ARATH	Histidine kinase 2 (EC 2.7.13.3) (Arabidopsis histidine kinase 2) (AtHK2) (Protein AUTHENTIC HIS-KINASE 2)
14	Q9C5U1	AHK3_ARATH	Histidine kinase 3 (EC 2.7.13.3) (Arabidopsis histidine kinase 3) (AtHK3) (Protein AUTHENTIC HIS-KINASE 3) (Protein ORESARA 12)
15	Q9M7Q4	AI5L5_ARATH	ABSCISIC ACID-INSENSITIVE 5-like protein 5 (ABA-responsive element-binding protein 1) (Abscisic acid responsive elements-binding factor 2) (ABRE-binding factor 2) (bZIP transcription factor 36) (AtbZIP36)
16	Q9M7Q3	AI5L6_ARATH	ABSCISIC ACID-INSENSITIVE 5-like protein 6 (Abscisic acid responsive elements-binding factor 3) (ABRE-binding factor 3) (Dc3 promoter-binding factor 5) (AtDPBF5) (bZIP transcription factor 37) (AtbZIP37)
17	Q9M7Q2	AI5L7_ARATH	ABSCISIC ACID-INSENSITIVE 5-like protein 7 (ABA-responsive element-binding protein 2) (Abscisic acid responsive elements-binding factor 4) (ABRE-binding factor 4) (bZIP transcription factor 38) (AtbZIP38)
18	O80944	AKRC8_ARATH	Aldo-keto reductase family 4 member C8 (EC 1.1.1.-)
19	Q0PGJ6	AKRC9_ARATH	Aldo-keto reductase family 4 member C9 (EC 1.1.1.-)
20	Q38998	AKT1_ARATH	Potassium channel AKT1
21	Q8VZC3	AL121_ARATH	Delta-1-pyrroline-5-carboxylate dehydrogenase 12A1, mitochondrial (AtP5CDH) (P5C dehydrogenase) (EC 1.5.1.12) (Aldehyde dehydrogenase family 12 member A1)
22	Q70DU8	AL3H1_ARATH	Aldehyde dehydrogenase family 3 member H1 (AtALDH4) (EC 1.2.1.3)
23	Q9SYG7	AL7B4_ARATH	Aldehyde dehydrogenase family 7 member B4 (EC 1.2.1.3) (Antiquitin-1) (Turgor-responsive ALDH)
24	Q9ZVJ2	AMERL_ARATH	Uncharacterized protein At2g38710
25	Q9SYT0	ANXD1_ARATH	Annexin D1 (AnnAt1) (Annexin A1)
26	Q9XEE2	ANXD2_ARATH	Annexin D2 (AnnAt2)
27	Q9SE45	ANXD3_ARATH	Annexin D3 (AnnAt3)
28	Q9ZVJ6	ANXD4_ARATH	Annexin D4 (AnnAt4)
29	Q9C9X3	ANXD5_ARATH	Annexin D5 (AnnAt5)
30	Q9LX08	ANXD6_ARATH	Annexin D6 (AnnAt6)
31	Q9LX07	ANXD7_ARATH	Annexin D7 (AnnAt7)
32	Q94CK4	ANXD8_ARATH	Annexin D8 (AnnAt8)
33	Q9LS01	AOC3_ARATH	Allene oxide cyclase 3, chloroplastic (EC 5.3.99.6)
34	Q94AN4	AP2L1_ARATH	AP2-like ethylene-responsive transcription factor At1g16060

35	Q05431	APX1_ARATH	L-ascorbate peroxidase 1, cytosolic (AP) (AtAPx01) (EC 1.11.1.11)
36	B9DHT4	ARIA_ARATH	ARM REPEAT PROTEIN INTERACTING WITH ABF2 (ARIA)
37	O80931	AS1_ARATH	Transcription factor AS1 (Myb-related protein 91) (AtMYB91) (Protein ASYMMETRIC LEAVES 1) (Protein PHANTASTICA) (AtPHAN)
38	Q6R0H0	ASG4_ARATH	Transcription factor ASG4 (Myb transcription factor LHY-CCA1-like3) (Myb-related protein ASG4) (Protein ALTERED SEED GERMINATION 4)
39	Q9M276	ATB12_ARATH	Homeobox-leucine zipper protein ATHB-12 (HD-ZIP protein ATHB-12) (Homeodomain transcription factor ATHB-12)
40	Q96252	ATP4_ARATH	ATP synthase subunit delta', mitochondrial (F-ATPase delta' subunit)
41	Q9FT52	ATP5H_ARATH	ATP synthase subunit d, mitochondrial (ATPase subunit d)
42	P31414	AVP1_ARATH	Pyrophosphate-energized vacuolar membrane proton pump 1 (EC 3.6.1.1) (Pyrophosphate-energized inorganic pyrophosphatase 1) (H(+)-PPase 1) (Vacuolar proton pyrophosphatase 1) (Vacuolar proton pyrophosphatase 3)
43	Q9S795	BADH1_ARATH	Betaine aldehyde dehydrogenase 1, chloroplastic (BADH) (EC 1.2.1.8) (Aldehyde dehydrogenase family 10 member A8)
44	Q9SE50	BGL18_ARATH	Beta-D-glucopyranosyl abscisate beta-glucosidase (EC 3.2.1.175) (Beta-glucosidase 1) (AtBG1) (Beta-glucosidase 18) (AtBGLU18) (Beta-glucosidase homolog 1)
45	Q9C525	BGL21_ARATH	Beta-glucosidase 21 (AtBGLU21) (EC 3.2.1.21) (Protein PHOSPHATE STARVATION-RESPONSE 3.2)
46	Q9C8Y9	BGL22_ARATH	Beta-glucosidase 22 (AtBGLU22) (EC 3.2.1.21)
47	Q9SR37	BGL23_ARATH	Beta-glucosidase 23 (AtBGLU23) (EC 3.2.1.21) (Protein PHOSPHATE STARVATION-RESPONSE 3.1)
48	Q8GRX1	BGL34_ARATH	Myrosinase 4 (EC 3.2.1.147) (Beta-glucosidase 34) (AtBGLU34) (EC 3.2.1.21) (Sinigrinase 4) (Thioglucosidase 4)
49	Q3ECS3	BGL35_ARATH	Myrosinase 5 (EC 3.2.1.147) (Beta-glucosidase 35) (AtBGLU35) (EC 3.2.1.21) (Sinigrinase 5) (Thioglucosidase 5)
50	Q9C8K1	BGL36_ARATH	Putative myrosinase 6 (EC 3.2.1.147) (Beta-glucosidase 36) (AtBGLU36) (Sinigrinase 6) (Thioglucosidase 6)
51	Q9LUK7	BH028_ARATH	Transcription factor bHLH28 (Basic helix-loop-helix protein 28) (AtbHLH28) (bHLH 28) (Transcription factor EN 40) (bHLH transcription factor bHLH028)
52	Q8L765	BPM1_ARATH	BTB/POZ and MATH domain-containing protein 1 (Protein BTB-POZ AND MATH DOMAIN 1) (AtBPM1)

53	Q9M8J9	BPM2_ARATH	BTB/POZ and MATH domain-containing protein 2 (Protein BTB-POZ AND MATH DOMAIN 2) (AtBPM2)
54	O22286	BPM3_ARATH	BTB/POZ and MATH domain-containing protein 3 (Protein BTB-POZ AND MATH DOMAIN 3) (AtBPM3)
55	Q9SRV1	BPM4_ARATH	BTB/POZ and MATH domain-containing protein 4 (Protein BTB-POZ AND MATH DOMAIN 4) (AtBPM4)
56	Q1EBV6	BPM5_ARATH	BTB/POZ and MATH domain-containing protein 5 (Protein BTB-POZ AND MATH DOMAIN 5) (AtBPM5)
57	A1L4W5	BPM6_ARATH	BTB/POZ and MATH domain-containing protein 6 (Protein BTB-POZ AND MATH DOMAIN 6) (AtBPM6)
58	Q94BN0	BT2_ARATH	BTB/POZ and TAZ domain-containing protein 2 (BTB and TAZ domain protein 2)
59	Q9SYL0	BT3_ARATH	BTB/POZ and TAZ domain-containing protein 3 (BTB and TAZ domain protein 3)
60	Q9FJX5	BT4_ARATH	BTB/POZ and TAZ domain-containing protein 4 (BTB and TAZ domain protein 4)
61	O04151	CALR1_ARATH	Calreticulin-1
62	Q38858	CALR2_ARATH	Calreticulin-2
63	Q39253	CAX1_ARATH	Vacuolar cation/proton exchanger 1 (Ca(2+)/H(+) antiporter CAX1) (Ca(2+)/H(+) exchanger 1) (Protein RARE COLD INDUCIBLE 4)
64	Q9LEV3	CBSX3_ARATH	CBS domain-containing protein CBSX3, mitochondrial
65	P92973	CCA1_ARATH	Protein CCA1 (MYB-related transcription factor CCA1) (Protein CIRCADIAN CLOCK ASSOCIATED 1)
66	Q8RWV3	CCL11_ARATH	Cyclin-L1-1 (CycL1;1)
67	Q9LJI2	CCX3_ARATH	Cation/calcium exchanger 3 (AtCCX3) (Protein CATION CALCIUM EXCHANGER 3) (Protein CATION EXCHANGER 9)
68	Q42479	CDPK3_ARATH	Calcium-dependent protein kinase 3 (EC 2.7.11.1) (Calcium-dependent protein kinase isoform CDPK6) (AtCDPK6)
69	Q6NLQ6	CDPKW_ARATH	Calcium-dependent protein kinase 32 (EC 2.7.11.1)
70	O48946	CESA1_ARATH	Cellulose synthase A catalytic subunit 1 [UDP-forming] (AtCesA1) (EC 2.4.1.12) (Protein RADially SWOLLEN 1) (AtRSW1)
71	P19172	CHIA_ARATH	Acidic endochitinase (EC 3.2.1.14)
72	Q9SRS9	CHIP_ARATH	E3 ubiquitin-protein ligase CHIP (EC 6.3.2.-) (Carboxyl terminus of HSC70-interacting protein) (AtCHIP) (Plant U-box protein 61) (U-box domain-containing protein 61)
73	Q8RWC9	CIPK1_ARATH	CBL-interacting serine/threonine-protein kinase 1 (EC 2.7.11.1) (SNF1-related kinase 3.16) (SOS2-like protein kinase PKS13)

74	O65554	CIPK6_ARATH	CBL-interacting serine/threonine-protein kinase 6 (EC 2.7.11.1) (SNF1-related kinase 3.14) (SOS2-like protein kinase PKS4) (SOS3-interacting protein 3)
75	Q9MAM1	CIPK9_ARATH	CBL-interacting serine/threonine-protein kinase 9 (EC 2.7.11.1) (SNF1-related kinase 3.12) (SOS2-like protein kinase PKS6)
76	Q9LDI3	CIPKO_ARATH	CBL-interacting serine/threonine-protein kinase 24 (EC 2.7.11.1) (Protein SALT OVERLY SENSITIVE 2) (SNF1-related kinase 3.11)
77	Q9S744	CML9_ARATH	Calmodulin-like protein 9 (AtCaM-9)
78	O81445	CNBL1_ARATH	Calcineurin B-like protein 1 (SOS3-like calcium-binding protein 5)
79	O81223	CNBL4_ARATH	Calcineurin B-like protein 4 (Protein SALT OVERLY SENSITIVE 3)
80	Q7FZF1	CNBL5_ARATH	Calcineurin B-like protein 5 (SOS3-like calcium-binding protein 4)
81	Q7FRS8	CNBLA_ARATH	Calcineurin B-like protein 10
82	Q9ZPV8	COAD_ARATH	Phosphopantetheine adenyltransferase (EC 2.7.7.3) (Dephospho-CoA pyrophosphorylase) (AtCoaD) (Pantetheine-phosphate adenyltransferase)
83	Q94KT8	COBRA_ARATH	Protein COBRA (Cell expansion protein)
84	Q9SUR6	CORI3_ARATH	Cystine lyase CORI3 (EC 4.4.1.-) (Protein CORONATINE INDUCED 3) (Protein JASMONIC ACID RESPONSIVE 2) (Tyrosine aminotransferase CORI3)
85	P34791	CP20C_ARATH	Peptidyl-prolyl cis-trans isomerase CYP20-3, chloroplastic (PPIase CYP20-3) (EC 5.2.1.8) (Cyclophilin of 20 kDa 3) (Cyclosporin A-binding protein) (Rotamase CYP20-3) (Rotamase cyclophilin-4)
86	Q8LL04	CPL3_ARATH	RNA polymerase II C-terminal domain phosphatase-like 3 (FCP-like 3) (EC 3.1.3.16) (Carboxyl-terminal phosphatase-like 3) (AtCPL3) (CTD phosphatase-like 3)
87	Q00IB6	CPL4_ARATH	RNA polymerase II C-terminal domain phosphatase-like 4 (FCP-like 4) (EC 3.1.3.16) (Carboxyl-terminal phosphatase-like 4) (AtCPL4) (CTD phosphatase-like 4)
88	Q9SRW9	CSLD5_ARATH	Cellulose synthase-like protein D5 (AtCslD5) (EC 2.4.1.-)
89	P45432	CSN1_ARATH	COP9 signalosome complex subunit 1 (CSN complex subunit 1) (Constitutive photomorphogenesis protein 11) (Protein FUSCA 6)

90	Q9MA41	CTL1_ARATH	Chitinase-like protein 1 (AtCTL1) (Protein ANION ALTERED ROOT MORPHOLOGY) (Protein ECTOPIC DEPOSITION OF LIGNIN IN PITH 1) (Protein ECTOPIC ROOT HAIR 2) (Protein POM-POM1) (Protein SENSITIVE TO HOT TEMPERATURES 2)
91	Q9S7L9	CX6B1_ARATH	Cytochrome c oxidase subunit 6b-1 (AtCOX6b-1)
92	O22683	CYNS_ARATH	Cyanate hydratase (Cyanase) (EC 4.2.1.104) (Cyanate hydrolase) (Cyanate lyase)
93	Q9SLD2	DGAT1_ARATH	Diacylglycerol O-acyltransferase 1 (EC 2.3.1.20)
94	Q43314	DHE1_ARATH	Glutamate dehydrogenase 1 (GDH 1) (EC 1.4.1.3)
95	Q38946	DHE2_ARATH	Glutamate dehydrogenase 2 (GDH 2) (EC 1.4.1.3)
96	Q94AW8	DNAJ3_ARATH	Chaperone protein dnaJ 3 (AtDjA3) (AtJ3)
97	Q42546	DPNP1_ARATH	SAL1 phosphatase (3'(2'),5'-bisphosphate nucleotidase 1) (EC 3.1.3.7) (3'(2'),5'-bisphosphonucleoside 3'(2')-phosphohydrolase 1) (DPNPase 1) (Inositol polyphosphate 1-phosphatase 1) (IPPase 1) (Inositol-1,4-bisphosphate 1-phosphatase 1) (EC 3.1.3.57) (Protein FIERY 1)
98	Q9LN86	DRE1F_ARATH	Dehydration-responsive element-binding protein 1F (Protein DREB1F)
99	O80917	DRE2E_ARATH	Dehydration-responsive element-binding protein 2E (Protein DREB2E)
100	Q93ZT5	EDL3_ARATH	EID1-like F-box protein 3
101	Q9LYU3	EF113_ARATH	Ethylene-responsive transcription factor ERF113
102	Q38884	EIF3I_ARATH	Eukaryotic translation initiation factor 3 subunit I (eIF3i) (Eukaryotic translation initiation factor 3 subunit 2) (TGF-beta receptor-interacting protein 1) (TRIP-1) (eIF-3-beta) (eIF3 p36)
103	Q9S814	EIN2_ARATH	Ethylene-insensitive protein 2 (AtEIN2) (EIN-2) (Cytokinin-resistant protein AtCKR1)
104	P25696	ENO2_ARATH	Bifunctional enolase 2/transcriptional activator (EC 4.2.1.11) (2-phospho-D-glycerate hydro-lyase 2) (2-phosphoglycerate dehydratase 2) (LOW EXPRESSION OF OSMOTICALLY RESPONSIVE GENES 1)
105	Q9STX5	ENPL_ARATH	Endoplasmic homolog (Glucose-regulated protein 94 homolog) (GRP-94 homolog) (HSP90-like protein 7) (Protein SHEPHERD)
106	O04036	ERD6_ARATH	Sugar transporter ERD6 (Early-responsive to dehydration protein 6) (Sugar transporter-like protein 1)
107	Q94KE0	ERDL3_ARATH	Sugar transporter ERD6-like 3 (Sugar transporter-like protein 2)
108	P49333	ETR1_ARATH	Ethylene receptor 1 (AtETR1) (EC 2.7.13.3) (Protein ETHYLENE RESPONSE 1) (Protein ETR1)

109	Q39152	FACR1_ARATH	Fatty acyl-CoA reductase 1 (EC 1.2.1.n2)
110	Q9LXN3	FACR4_ARATH	Probable fatty acyl-CoA reductase 4 (EC 1.2.1.n2)
111	Q0WRB0	FACR5_ARATH	Probable fatty acyl-CoA reductase 5 (EC 1.2.1.n2)
112	P52839	FSTL_ARATH	Flavonol sulfotransferase-like (EC 2.8.2.-) (RaRO47)
113	P93033	FUM1_ARATH	Fumarate hydratase 1, mitochondrial (Fumarase 1) (EC 4.2.1.2)
114	Q9FI53	FUM2_ARATH	Fumarate hydratase 2, chloroplastic (Fumarase 2) (EC 4.2.1.2)
115	Q9C6I4	G2OX7_ARATH	Gibberellin 2-beta-dioxygenase 7 (EC 1.14.11.13) (GA 2-oxidase 7) (Gibberellin 2-beta-hydroxylase 7) (Gibberellin 2-oxidase 7)
116	P25858	G3PC_ARATH	Glyceraldehyde-3-phosphate dehydrogenase, cytosolic (EC 1.2.1.12)
117	Q9LQT8	GAI_ARATH	DELLA protein GAI (GRAS family protein 3) (AtGRAS-3) (Gibberellic acid-insensitive mutant protein) (Restoration of growth on ammonia protein 2)
118	Q9FMA8	GL111_ARATH	Germin-like protein subfamily 1 member 11
119	Q9LEA7	GL18_ARATH	Germin-like protein subfamily 1 member 8
120	Q8LCE1	GLN12_ARATH	Glutamine synthetase cytosolic isozyme 1-2 (EC 6.3.1.2) (Glutamate--ammonia ligase GLN1;2) (GLN1;2)
121	Q43127	GLNA2_ARATH	Glutamine synthetase, chloroplastic/mitochondrial (EC 6.3.1.2) (GS2) (Glutamate--ammonia ligase)
122	Q9C8L4	GLO2O_ARATH	Hydroxyacylglutathione hydrolase 3, mitochondrial (EC 3.1.2.6) (Glyoxalase II) (Glx II)
123	O22287	GMPP1_ARATH	Mannose-1-phosphate guanylyltransferase 1 (EC 2.7.7.13) (GDP-mannose pyrophosphorylase 1) (Protein CYTOKINESIS DEFECTIVE 1) (Protein EMBRYO DEFECTIVE 101) (Protein HYPERSENSITIVE TO AMMONIUM ION 1) (Protein SENSITIVE TO OZONE 1) (Protein VITAMIN C DEFECTIVE 1)
124	O48646	GPX6_ARATH	Probable phospholipid hydroperoxide glutathione peroxidase 6, mitochondrial (AtGPX1) (PHGPx) (EC 1.11.1.12)
125	Q03250	GRP7_ARATH	Glycine-rich RNA-binding protein 7
126	Q03251	GRP8_ARATH	Glycine-rich RNA-binding protein 8 (Protein CCR1)
127	P46422	GSTF2_ARATH	Glutathione S-transferase F2 (AtGSTF2) (EC 2.5.1.18) (24 kDa auxin-binding protein) (AtPM24) (GST class-phi member 2)

128	P42760	GSTF6_ARATH	Glutathione S-transferase F6 (AtGSTF6) (EC 2.5.1.18) (AtGSTF3) (GST class-phi member 6) (Glutathione S-transferase 1) (AtGST1) (Protein EARLY RESPONSE TO DEHYDRATION 11)
129	Q9SRY5	GSTF7_ARATH	Glutathione S-transferase F7 (EC 2.5.1.18) (AtGSTF8) (GST class-phi member 7) (Glutathione S-transferase 11)
130	Q96266	GSTF8_ARATH	Glutathione S-transferase F8, chloroplastic (AtGSTF8) (EC 2.5.1.18) (AtGSTF5) (GST class-phi member 8) (Glutathione S-transferase 6)
131	Q9FGW9	GTE10_ARATH	Transcription factor GTE10 (Bromodomain-containing protein GTE10) (Nuclear protein X1) (Protein GLOBAL TRANSCRIPTION FACTOR GROUP E10)
132	Q38890	GUN25_ARATH	Endoglucanase 25 (EC 3.2.1.4) (Cellulase homolog OR16pep) (Endo-1,4-beta glucanase 25) (Protein KORRIGAN) (Protein RADIALY SWOLLEN 2)
133	Q9S7V4	HA22A_ARATH	HVA22-like protein a (AtHVA22a)
134	Q9SYX7	HA22B_ARATH	HVA22-like protein b (AtHVA22b)
135	Q9S784	HA22C_ARATH	HVA22-like protein c (AtHVA22c)
136	Q9S760	HA22D_ARATH	HVA22-like protein d (AtHVA22d)
137	Q9FED2	HA22E_ARATH	HVA22-like protein e (AtHVA22e)
138	Q9SWE5	HAL3A_ARATH	Phosphopantothenoylcysteine decarboxylase (PPCDC) (EC 4.1.1.36) (Halotolerance protein Hal3a) (AtCoaC) (AtHal3a)
139	P94063	HAL3B_ARATH	Probable phosphopantothenoylcysteine decarboxylase (EC 4.1.1.36) (Halotolerance protein Hal3b) (AtHal3b)
140	Q02283	HAT5_ARATH	Homeobox-leucine zipper protein HAT5 (HD-ZIP protein ATHB-1) (Homeodomain transcription factor ATHB-1) (Homeodomain-leucine zipper protein HAT5) (HD-ZIP protein 5)
141	Q9FML2	HDA6_ARATH	Histone deacetylase 6 (EC 3.5.1.98)
142	Q9LZR5	HDT3_ARATH	Histone deacetylase HDT3 (HD-tuins protein 3) (Histone deacetylase 2c)
143	P43082	HEVL_ARATH	Hevein-like protein
144	Q84TI7	HKT1_ARATH	Sodium transporter HKT1 (AtHKT1)
145	Q9XIE3	HS17A_ARATH	17.6 kDa class I heat shock protein 1 (17.6 kDa heat shock protein 1) (AtHsp17.6A)
146	P55737	HS902_ARATH	Heat shock protein 90-2 (AtHSP90.2) (Heat shock protein 81-2) (HSP81-2) (Protein EARLY-RESPONSIVE TO DEHYDRATION 8) (Protein LOSS OF RECOGNITION OF AVRRPM1 2)
147	Q9LPS1	HXK3_ARATH	Hexokinase-3 (EC 2.7.1.1)
148	Q9T071	HXKL2_ARATH	Probable hexokinase-like 2 protein (EC 2.7.1.1)
149	Q9LXC9	IPYR1_ARATH	Soluble inorganic pyrophosphatase 1, chloroplastic (EC 3.6.1.1) (Inorganic pyrophosphatase 1) (Pyrophosphate phospho-hydrolase 1) (PPase 1)

150	P42818	KPK1_ARATH	Serine/threonine-protein kinase AtPK1/AtPK6 (EC 2.7.11.1) (Ribosomal-protein S6 kinase homolog 1)
151	Q39030	KPK2_ARATH	Serine/threonine-protein kinase AtPK2/AtPK19 (EC 2.7.11.1) (Ribosomal-protein S6 kinase homolog 2)
152	Q9FVS6	KSG4_ARATH	Shaggy-related protein kinase delta (EC 2.7.11.1) (ASK-delta)
153	Q8VZD5	KSG5_ARATH	Shaggy-related protein kinase epsilon (EC 2.7.11.1) (ASK-epsilon)
154	Q39012	KSG9_ARATH	Shaggy-related protein kinase iota (EC 2.7.11.1) (ASK-iota)
155	Q8LKS5	LACS7_ARATH	Long chain acyl-CoA synthetase 7, peroxisomal (EC 6.2.1.3)
156	Q9SA14	LEU31_ARATH	3-isopropylmalate dehydrogenase 1, chloroplastic (3-IPM-DH 1) (IMDH 1) (EC 1.1.1.85) (Beta-IPM dehydrogenase 1)
157	Q9FMT1	LEU33_ARATH	3-isopropylmalate dehydrogenase 3, chloroplastic (3-IPM-DH 3) (IMDH 3) (EC 1.1.1.85) (Beta-IPM dehydrogenase 3)
158	Q6R0H1	LHY_ARATH	Protein LHY (MYB-related transcription factor LHY) (Protein LATE ELONGATED HYPOCOTYL)
159	Q9M3D8	LRK13_ARATH	L-type lectin-domain containing receptor kinase I.3 (AtLecRK2) (LecRK-I.3) (EC 2.7.11.1) (Salt-responsive receptor protein kinase 1)
160	Q04980	LTI65_ARATH	Low-temperature-induced 65 kDa protein (Desiccation-responsive protein 29B)
161	Q06738	LTI78_ARATH	Low-temperature-induced 78 kDa protein (Desiccation-responsive protein 29A)
162	Q9M8Y5	LTL1_ARATH	GDSL esterase/lipase LTL1 (EC 3.1.1.-) (Extracellular lipase LTL1) (Lithium-tolerant lipase 1) (AtLTL1) (Li-tolerant lipase 1)
163	Q9S7U9	M2K2_ARATH	Mitogen-activated protein kinase kinase 2 (AtMAP2Kbeta) (AtMKK2) (MAP kinase kinase 2) (EC 2.7.12.2)
164	Q39008	M3K1_ARATH	Mitogen-activated protein kinase kinase kinase 1 (ARAKIN) (AtMEKK1) (MAP kinase kinase kinase 1) (EC 2.7.11.25)
165	O04309	MB31_ARATH	Myrosinase-binding protein-like At3g16470
166	Q9SR59	MDAR1_ARATH	Probable monodehydroascorbate reductase, cytoplasmic isoform 1 (MDAR 1) (EC 1.6.5.4)
167	Q93WJ8	MDAR4_ARATH	Probable monodehydroascorbate reductase, cytoplasmic isoform 4 (MDAR 4) (EC 1.6.5.4)
168	P93819	MDHC1_ARATH	Malate dehydrogenase, cytoplasmic 1 (EC 1.1.1.37)
169	Q9ZP06	MDHM1_ARATH	Malate dehydrogenase 1, mitochondrial (EC 1.1.1.37) (mNAD-MDH 1)

170	O50008	METE_ARATH	5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase (EC 2.1.1.14) (Cobalamin-independent methionine synthase isozyyme) (Vitamin-B12-independent methionine synthase isozyyme)
171	P23686	METK1_ARATH	S-adenosylmethionine synthase 1 (AdoMet synthase 1) (EC 2.5.1.6) (Methionine adenosyltransferase 1) (MAT 1)
172	Q9C5X8	MOCOS_ARATH	Molybdenum cofactor sulfurase (MOS) (MoCo sulfurase) (EC 4.4.-.-) (Abscisic acid protein 3) (Low expression of osmotically expressive genes protein 5)
173	Q39024	MPK4_ARATH	Mitogen-activated protein kinase 4 (AtMPK4) (MAP kinase 4) (EC 2.7.11.24)
174	Q39026	MPK6_ARATH	Mitogen-activated protein kinase 6 (AtMPK6) (MAP kinase 6) (EC 2.7.11.24)
175	Q9ZU25	MPPA1_ARATH	Probable mitochondrial-processing peptidase subunit alpha-1 (EC 3.4.24.64) (Alpha-MPP 1)
176	O49608	MYB32_ARATH	Transcription factor MYB32 (Myb-related protein 32) (AtMYB32)
177	Q9S9K9	MYB3_ARATH	Transcription factor MYB3 (Myb-related protein 3) (AtMYB3)
178	Q9FDW1	MYB44_ARATH	Transcription factor MYB44 (Myb-related protein 44) (AtMYB44) (Myb-related protein R1) (AtMYBR1)
179	Q9FE25	MYB75_ARATH	Transcription factor MYB75 (Myb-related protein 75) (AtMYB75) (Production of anthocyanin pigment 1 protein) (Suc-induced anthocyanin accumulation locus 1)
180	Q9LHG9	NACA1_ARATH	Nascent polypeptide-associated complex subunit alpha-like protein 1 (NAC-alpha-like protein 1) (Alpha-NAC-like protein 1)
181	Q6ICZ8	NACA3_ARATH	Nascent polypeptide-associated complex subunit alpha-like protein 3 (NAC-alpha-like protein 3) (Alpha-NAC-like protein 3)
182	P83291	NCB5R_ARATH	NADH-cytochrome b5 reductase-like protein (B5R) (EC 1.6.2.2)
183	Q9LRR7	NCED3_ARATH	9-cis-epoxycarotenoid dioxygenase NCED3, chloroplastic (AtNCED3) (EC 1.13.11.51) (Protein SALT TOLERANT 1)
184	P39207	NDK1_ARATH	Nucleoside diphosphate kinase 1 (EC 2.7.4.6) (Nucleoside diphosphate kinase I) (NDK I) (NDP kinase I) (NDPK I)
185	Q9SK66	NDUA9_ARATH	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial
186	Q9SY59	NFXL1_ARATH	NF-X1-type zinc finger protein NFXL1 (AtNFXL1) (EC 6.3.2.-)

187	Q9FFK8	NFXL2_ARATH	NF-X1-type zinc finger protein NFXL2 (AtNFXL2) (EC 6.3.2.-)
188	Q68KI4	NHX1_ARATH	Sodium/hydrogen exchanger 1 (Na ⁽⁺⁾ /H ⁽⁺⁾ exchanger 1) (NHE-1)
189	Q84WG1	NHX3_ARATH	Sodium/hydrogen exchanger 3 (Na ⁽⁺⁾ /H ⁽⁺⁾ exchanger 3) (NHE-3)
190	Q9LKW9	NHX7_ARATH	Sodium/hydrogen exchanger 7 (Na ⁽⁺⁾ /H ⁽⁺⁾ exchanger 7) (NHE-7) (Protein SALT OVERLY SENSITIVE 1)
191	Q9LLR6	NLTP4_ARATH	Non-specific lipid-transfer protein 4 (LTP 4)
192	Q9LK88	NQR_ARATH	NADPH:quinone oxidoreductase (EC 1.6.5.2)
193	Q9SU14	NUDT7_ARATH	Nudix hydrolase 7 (AtNUDT7) (EC 3.6.1.-) (ADP-ribose pyrophosphatase) (EC 3.6.1.13) (NADH pyrophosphatase) (EC 3.6.1.22) (Protein GROWTH FACTOR GENE 1)
194	Q8H1Y0	ODPA2_ARATH	Pyruvate dehydrogenase E1 component subunit alpha-2, mitochondrial (PDHE1-A) (EC 1.2.4.1)
195	P50700	OSL3_ARATH	Osmotin-like protein OSM34
196	P54904	P5CR1_ARATH	Pyrroline-5-carboxylate reductase (P5C reductase) (P5CR) (EC 1.5.1.2) (Protein EMBRYO DEFECTIVE 2772)
197	P54887	P5CS1_ARATH	Delta-1-pyrroline-5-carboxylate synthase A (P5CS A) [Includes: Glutamate 5-kinase (GK) (EC 2.7.2.11) (Gamma-glutamyl kinase); Gamma-glutamyl phosphate reductase (GPR) (EC 1.2.1.41) (Glutamate-5-semialdehyde dehydrogenase) (Glutamyl-gamma-semialdehyde dehydrogenase)]
198	P42731	PABP2_ARATH	Polyadenylate-binding protein 2 (PABP-2) (Poly(A)-binding protein 2)
199	Q9XI01	PDI11_ARATH	Protein disulfide isomerase-like 1-1 (AtPDIL1-1) (EC 5.3.4.1) (Protein disulfide-isomerase 1) (PDI 1) (Protein disulfide-isomerase 5) (AtPDI5)
200	Q9SRG3	PDI12_ARATH	Protein disulfide isomerase-like 1-2 (AtPDIL1-2) (EC 5.3.4.1) (Protein disulfide-isomerase 2) (PDI 2) (Protein disulfide-isomerase 6) (AtPDI6)
201	Q8L940	PDX13_ARATH	Pyridoxal biosynthesis protein PDX1.3 (AtPDX1.3) (AtPDX1;1)
202	Q8W1X2	PDXK_ARATH	Pyridoxal kinase (EC 2.7.1.35) (Protein SALT OVERLY SENSITIVE 4) (Pyridoxal kinase-like protein SOS4) (Pyridoxine kinase)
203	P24102	PER22_ARATH	Peroxidase 22 (Atperox P22) (EC 1.11.1.7) (ATPEa) (Basic peroxidase E)
204	O80912	PER23_ARATH	Peroxidase 23 (Atperox P23) (EC 1.11.1.7) (ATP34)

205	O23044	PER3_ARATH	Peroxidase 3 (Atperox P3) (EC 1.11.1.7) (ATPRC) (RCI3A) (Rare cold-inducible protein)
206	Q9SZE7	PER51_ARATH	Peroxidase 51 (Atperox P51) (EC 1.11.1.7) (ATP37)
207	P42339	PI3K_ARATH	Phosphatidylinositol 3-kinase VPS34 (EC 2.7.1.137) (PI3-kinase VPS34) (AtVPS34) (PI3K VPS34) (PtdIns-3-kinase VSP34)
208	Q42539	PIMT_ARATH	Protein-L-isoaspartate O-methyltransferase (PIMT) (EC 2.1.1.77) (L-isoaspartyl protein carboxyl methyltransferase) (Protein L-isoaspartyl methyltransferase) (Protein-beta-aspartate methyltransferase)
209	Q06611	PIP12_ARATH	Aquaporin PIP1-2 (AtPIP1;2) (Plasma membrane intrinsic protein 1b) (PIP1b) (Transmembrane protein A) (AthH2) (TMP-A)
210	Q39032	PLCD1_ARATH	Phosphoinositide phospholipase C 1 (EC 3.1.4.11) (Phosphoinositide phospholipase PLC1) (AtPLC1) (AtPLC1S) (PI-PLC1)
211	P58766	PLDZ1_ARATH	Phospholipase D zeta (AtPLDzeta) (PLD zeta) (EC 3.1.4.4)
212	Q9SU58	PMA4_ARATH	ATPase 4, plasma membrane-type (EC 3.6.3.6) (Proton pump 4)
213	O80840	PMM_ARATH	Phosphomannomutase (AtPMM) (EC 5.4.2.8)
214	Q9LSQ2	PP239_ARATH	Putative pentatricopeptide repeat-containing protein At3g16890, mitochondrial (Protein PENTATRICOPEPTIDE REPEAT 40)
215	Q7DLR9	PSB4_ARATH	Proteasome subunit beta type-4 (EC 3.4.25.1) (20S proteasome beta subunit G-1) (Proteasome component H) (Proteasome subunit beta type-7)
216	Q8LD27	PSB6_ARATH	Proteasome subunit beta type-6 (EC 3.4.25.1) (20S proteasome beta subunit A-1) (Proteasome component D) (Proteasome subunit beta type-1)
217	Q9LT08	PSDE_ARATH	26S proteasome non-ATPase regulatory subunit 14 (EC 3.4.19.-) (26S proteasome regulatory subunit rpn11)
218	P55034	PSMD4_ARATH	26S proteasome non-ATPase regulatory subunit 4 (26S proteasome regulatory subunit RPN10) (26S proteasome regulatory subunit S5A) (Multiubiquitin chain-binding protein 1) (AtMCB1) (Protein REGULATORY PARTICLE NON-ATPASE 10)
219	Q9FNL7	PTR3_ARATH	Peptide transporter PTR3-A (AtPTR3)
220	Q8W4J3	QSOX1_ARATH	Sulfhydryl oxidase 1 (EC 1.8.3.2) (Quiescin-sulfhydryl oxidase 1) (AtQSOX1)
221	Q9XI98	RAG3E_ARATH	Ras-related protein RABG3e (AtRABG3e) (Ras-related protein Rab74) (AtRab74)
222	Q9M651	RAGP2_ARATH	RAN GTPase-activating protein 2 (AtRanGAP2) (RanGAP2)

223	P41916	RAN1_ARATH	GTP-binding nuclear protein Ran-1 (Ras-related nuclear protein 1)
224	Q8H1E4	RAP24_ARATH	Ethylene-responsive transcription factor RAP2-4 (Ethylene-responsive transcription factor ERF059) (Protein RELATED TO APETALA2 4)
225	Q7G1L2	RAP26_ARATH	Ethylene-responsive transcription factor RAP2-6 (Protein RELATED TO APETALA2 6)
226	Q8RY59	RCD1_ARATH	Inactive poly [ADP-ribose] polymerase RCD1 (Protein RADICAL-INDUCED CELL DEATH 1)
227	Q9ZLNQ7	RCI2A_ARATH	Hydrophobic protein RCI2A (Low temperature and salt-responsive protein LTI6A)
228	P43296	RD19A_ARATH	Cysteine proteinase RD19a (RD19) (EC 3.4.22.-)
229	Q08298	RD22_ARATH	Dehydration-responsive protein RD22
230	Q9SLH3	RGA_ARATH	DELLA protein RGA (GAI-related sequence) (GRAS family protein 10) (AtGRAS-10) (Repressor on the ga1-3 mutant) (Restoration of growth on ammonia protein 1)
231	Q9C8Y3	RGL1_ARATH	DELLA protein RGL1 (GRAS family protein 9) (AtGRAS-9) (RGA-like protein 1) (RGA-like protein)
232	Q8GXW1	RGL2_ARATH	DELLA protein RGL2 (GRAS family protein 15) (AtGRAS-15) (RGA-like protein 2) (Scarecrow-like protein 19) (AtSCL19)
233	Q9SRT9	RGP1_ARATH	UDP-arabinopyranose mutase 1 (EC 5.4.99.30) (Reversibly glycosylated polypeptide 1) (AtRGP1) (UDP-L-arabinose mutase 1)
234	Q9LFW1	RGP2_ARATH	UDP-arabinopyranose mutase 2 (EC 5.4.99.30) (Reversibly glycosylated polypeptide 2) (AtRGP2) (UDP-L-arabinose mutase 2)
235	Q9FFD2	RGP5_ARATH	Probable UDP-arabinopyranose mutase 5 (EC 5.4.99.30) (Reversibly glycosylated polypeptide 5) (AtRGP5) (UDP-L-arabinose mutase 5)
236	Q94C75	RH25_ARATH	DEAD-box ATP-dependent RNA helicase 25 (EC 3.6.4.13)
237	Q9LUW6	RH9_ARATH	DEAD-box ATP-dependent RNA helicase 9 (EC 3.6.4.13)
238	Q9ZT50	RHA2A_ARATH	E3 ubiquitin-protein ligase RHA2A (EC 6.3.2.-) (RING-H2 zinc finger protein RHA2a)
239	Q42112	RLA02_ARATH	60S acidic ribosomal protein P0-2
240	P57691	RLA03_ARATH	60S acidic ribosomal protein P0-3
241	Q9ZRF9	RPK1_ARATH	Probable LRR receptor-like serine/threonine-protein kinase RPK1 (EC 2.7.11.1) (Protein TOADSTOOL 1) (Receptor-like protein kinase 1)
242	Q9S9P1	RS121_ARATH	40S ribosomal protein S12-1
243	Q9SIP7	RS31_ARATH	40S ribosomal protein S3-1
244	Q9M339	RS32_ARATH	40S ribosomal protein S3-2
245	Q9FJA6	RS33_ARATH	40S ribosomal protein S3-3

246	Q08682	RSSA1_ARATH	40S ribosomal protein Sa-1 (Laminin receptor homolog) (p40)
247	Q9STJ9	SAP10_ARATH	Zinc finger A20 and AN1 domain-containing stress-associated protein 10 (AtSAP10)
248	O64644	SAP18_ARATH	Histone deacetylase complex subunit SAP18 (18 kDa Sin3-associated polypeptide)
249	Q9M2S6	SDIR1_ARATH	E3 ubiquitin-protein ligase SDIR1 (EC 6.3.2.-) (Protein salt- and drought-induced RING finger1)
250	P24704	SODC_ARATH	Superoxide dismutase [Cu-Zn] (EC 1.15.1.1) (Copper/zinc superoxide dismutase 1)
251	O81235	SODM_ARATH	Superoxide dismutase [Mn], mitochondrial (EC 1.15.1.1)
252	Q9SI64	SPE1_ARATH	Arginine decarboxylase 1 (ADC 1) (ADC-O) (ARGDC 1) (EC 4.1.1.19)
253	O23141	SPE2_ARATH	Arginine decarboxylase 2 (ADC 2) (ARGDC 2) (EC 4.1.1.19) (ADC-N)
254	P43291	SRK2A_ARATH	Serine/threonine-protein kinase SRK2A (EC 2.7.11.1) (Arabidopsis protein SK1) (OST1-kinase-like 7) (SNF1-related kinase 2.4) (SnRK2.4)
255	Q9C958	SRK2B_ARATH	Serine/threonine-protein kinase SRK2B (EC 2.7.11.1) (OST1-kinase-like 6) (SNF1-related kinase 2.10) (SnRK2.10)
256	Q39192	SRK2D_ARATH	Serine/threonine-protein kinase SRK2D (EC 2.7.11.1) (OST1-kinase-like 3) (Protein ATHPROKIN A) (SNF1-related kinase 2.2) (SnRK2.2)
257	Q940H6	SRK2E_ARATH	Serine/threonine-protein kinase SRK2E (EC 2.7.11.1) (Protein OPEN STOMATA 1) (SNF1-related kinase 2.6) (SnRK2.6) (Serine/threonine-protein kinase OST1)
258	Q9SMQ4	SRK2F_ARATH	Serine/threonine-protein kinase SRK2F (EC 2.7.11.1) (OST1-kinase-like 5) (SNF1-related kinase 2.7) (SnRK2.7)
259	P43292	SRK2G_ARATH	Serine/threonine-protein kinase SRK2G (EC 2.7.11.1) (Arabidopsis protein SK1) (OST1-kinase-like 8) (SNF1-related kinase 2.1) (SnRK2.1)
260	Q9FFP9	SRK2H_ARATH	Serine/threonine-protein kinase SRK2H (EC 2.7.11.1) (OST1-kinase-like 9) (SNF1-related kinase 2.5) (SnRK2.5)
261	Q39193	SRK2I_ARATH	Serine/threonine-protein kinase SRK2I (EC 2.7.11.1) (OST1-kinase-like 2) (Protein ATHPROKIN B) (SNF1-related kinase 2.3) (SnRK2.3)
262	O82289	SRO1_ARATH	Probable inactive poly [ADP-ribose] polymerase SRO1 (Protein SIMILAR TO RCD ONE 1)

263	Q9FJJ3	SRO5_ARATH	Probable inactive poly [ADP-ribose] polymerase SRO5 (Protein SIMILAR TO RCD ONE 5)
264	Q96288	STO_ARATH	Salt tolerance protein
265	P29510	TBA2_ARATH	Tubulin alpha-2/alpha-4 chain
266	P29511	TBA6_ARATH	Tubulin alpha-6 chain
267	P29512	TBB2_ARATH	Tubulin beta-2/beta-3 chain
268	P29514	TBB6_ARATH	Tubulin beta-6 chain (Beta-6-tubulin)
269	P29515	TBB7_ARATH	Tubulin beta-7 chain (Beta-7-tubulin)
270	P29516	TBB8_ARATH	Tubulin beta-8 chain (Beta-8-tubulin)
271	P48491	TPIS_ARATH	Triosephosphate isomerase, cytosolic (TIM) (Triose-phosphate isomerase) (EC 5.3.1.1)
272	P14671	TRPB1_ARATH	Tryptophan synthase beta chain 1, chloroplastic (EC 4.2.1.20)
273	Q9MAH1	TTL1_ARATH	TPR repeat-containing thioredoxin TTL1 (Tetratricopeptide repeat thioredoxin-like 1)
274	Q9LSY6	U71B6_ARATH	UDP-glycosyltransferase 71B6 (EC 2.4.1.-) (Abscisic acid glycosyltransferase)
275	Q9M156	U72B1_ARATH	UDP-glycosyltransferase 72B1 (EC 2.4.1.-) (Arbutin synthase) (Probable hydroquinone glucosyltransferase) (EC 2.4.1.218)
276	Q9SYK9	U74E2_ARATH	UDP-glycosyltransferase 74E2 (EC 2.4.1.-)
277	P57751	UGPA1_ARATH	UTP--glucose-1-phosphate uridylyltransferase 1 (EC 2.7.7.9) (UDP-glucose pyrophosphorylase 1) (UDPGP 1) (UGPase 1)
278	Q9M9P3	UGPA2_ARATH	Probable UTP--glucose-1-phosphate uridylyltransferase 2 (EC 2.7.7.9) (UDP-glucose pyrophosphorylase 2) (UDPGP 2) (UGPase 2)
279	Q8RWN0	ULP1C_ARATH	Ubiquitin-like-specific protease 1C (EC 3.4.22.-) (Protein OVERLY TOLERANT TO SALT 2)
280	Q2PS26	ULP1D_ARATH	Ubiquitin-like-specific protease 1D (EC 3.4.22.-) (Protein OVERLY TOLERANT TO SALT 1)
281	Q9FMV1	UMP7_ARATH	Uncharacterized protein At5g63510, mitochondrial
282	Q9SMN1	UMP8_ARATH	Uncharacterized protein At3g48680, mitochondrial
283	O49377	VA711_ARATH	Vesicle-associated membrane protein 711 (AtVAMP711) (v-SNARE synaptobrevin 7C) (AtVAMP7C)
284	Q9LFP1	VA713_ARATH	Vesicle-associated membrane protein 713 (AtVAMP713)
285	Q9FMR5	VA714_ARATH	Vesicle-associated membrane protein 714 (AtVAMP714)
286	O23654	VATA_ARATH	V-type proton ATPase catalytic subunit A (V-ATPase subunit A) (EC 3.6.3.14) (V-ATPase 69 kDa subunit) (Vacuolar H(+)-ATPase subunit A) (Vacuolar proton pump subunit alpha)

287	Q39258	VATE1_ARATH	V-type proton ATPase subunit E1 (V-ATPase subunit E1) (Protein EMBRYO DEFECTIVE 2448) (Vacuolar H(+)-ATPase subunit E isoform 1) (Vacuolar proton pump subunit E1)
288	O82122	VSP2_ARATH	Vegetative storage protein 2
289	O22921	WRK25_ARATH	Probable WRKY transcription factor 25 (WRKY DNA-binding protein 25)
290	Q8S8P5	WRK33_ARATH	Probable WRKY transcription factor 33 (WRKY DNA-binding protein 33)
291	Q9C7A2	Y3236_ARATH	Ankyrin repeat-containing protein At3g12360
292	Q42410	ZAT12_ARATH	Zinc finger protein ZAT12 (Protein RESPONSIVE TO HIGH LIGHT 41)

Supplementary Table 2 (Molecular functional classification of 292 *Arabidopsis thaliana* salt-response proteins)

No. of salt-response proteins	Molecular function	Protein AC	Protein ID
1	transporter	Q8RXN0	AB11G_ARATH
2	transporter	Q9C8K2	AB12G_ARATH
3	transporter	Q9C8J8	AB13G_ARATH
4	transporter	Q7GB25	AB5C_ARATH
5	signal transduction	Q9SJN0	AB15_ARATH
6	signal transduction	O22218	ACA4_ARATH
7	cell-wall related	Q41931	ACCO2_ARATH
8	energy metabolism	Q42560	ACO1_ARATH
9	energy metabolism	Q9SIB9	ACO2M_ARATH
10	cytoskeleton	Q96293	ACT8_ARATH
11	energy metabolism	P06525	ADH1_ARATH
12	binding activity	Q9S7Z2	AFP4_ARATH
13	cytoskeleton	Q9C5U2	AHK2_ARATH
14	amino acid metabolism	Q9C5U1	AHK3_ARATH
15	signal transduction	Q9M7Q4	AI5L5_ARATH
16	signal transduction	Q9M7Q3	AI5L6_ARATH
17	signal transduction	Q9M7Q2	AI5L7_ARATH
18	catalytic activity	O80944	AKRC8_ARATH
19	catalytic activity	Q0PGJ6	AKRC9_ARATH
20	transporter	Q38998	AKT1_ARATH
21	energy metabolism	Q8VZC3	AL121_ARATH
22	energy metabolism	Q70DU8	AL3H1_ARATH
23	energy metabolism	Q9SYG7	AL7B4_ARATH
24	unclassified	Q9ZVJ2	AMERL_ARATH
25	cytoskeleton	Q9SYT0	ANXD1_ARATH
26	cytoskeleton	Q9XEE2	ANXD2_ARATH
27	cytoskeleton	Q9SE45	ANXD3_ARATH
28	cytoskeleton	Q9ZVJ6	ANXD4_ARATH
29	cytoskeleton	Q9C9X3	ANXD5_ARATH
30	cytoskeleton	Q9LX08	ANXD6_ARATH
31	cytoskeleton	Q9LX07	ANXD7_ARATH
32	cytoskeleton	Q94CK4	ANXD8_ARATH
33	catalytic activity	Q9LS01	AOC3_ARATH
34	signal transduction	Q94AN4	AP2L1_ARATH

35	ROS scavenging and defense	Q05431	APX1_ARATH
36	binding activity	B9DHT4	ARIA_ARATH
37	transcription	O80931	AS1_ARATH
38	transcription	Q6R0H0	ASG4_ARATH
39	binding activity	Q9M276	ATB12_ARATH
40	energy metabolism	Q96252	ATP4_ARATH
41	energy metabolism	Q9FT52	ATP5H_ARATH
42	transporter	P31414	AVP1_ARATH
43	catalytic activity	Q9S795	BADH1_ARATH
44	catalytic activity	Q9SE50	BGL18_ARATH
45	catalytic activity	Q9C525	BGL21_ARATH
46	catalytic activity	Q9C8Y9	BGL22_ARATH
47	catalytic activity	Q9SR37	BGL23_ARATH
48	ROS scavenging and defense	Q8GRX1	BGL34_ARATH
49	ROS scavenging and defense	Q3ECS3	BGL35_ARATH
50	Ros scanvenging and defence	Q9C8K1	BGL36_ARATH
51	transcription	Q9LUK7	BH028_ARATH
52	binding activity	Q8L765	BPM1_ARATH
53	binding activity	Q9M8J9	BPM2_ARATH
54	binding activity	O22286	BPM3_ARATH
55	binding activity	Q9SRV1	BPM4_ARATH
56	binding activity	Q1EBV6	BPM5_ARATH
57	binding activity	A1L4W5	BPM6_ARATH
58	binding activity	Q94BN0	BT2_ARATH
59	binding activity	Q9SYL0	BT3_ARATH
60	binding activity	Q9FJX5	BT4_ARATH
61	signal transduction	O04151	CALR1_ARATH
62	signal transduction	Q38858	CALR2_ARATH
63	transporter	Q39253	CAX1_ARATH
64	binding activity	Q9LEV3	CBSX3_ARATH
65	transcription	P92973	CCA1_ARATH
66	binding activity	Q8RWV3	CCL11_ARATH
67	transporter	Q9LJ12	CCX3_ARATH
68	signal transduction	Q42479	CDPK3_ARATH
69	signal transduction	Q6NLQ6	CDPKW_ARATH
70	cell-wall related	O48946	CESA1_ARATH
71	cell-wall related	P19172	CHIA_ARATH
72	protein synthesis and degradation	Q9SRS9	CHIP_ARATH
73	signal transduction	Q8RWC9	CIPK1_ARATH
74	signal transduction	O65554	CIPK6_ARATH
75	signal transduction	Q9MAM1	CIPK9_ARATH
76	signal transduction	Q9LDI3	CIPKO_ARATH
77	signal transduction	Q9S744	CML9_ARATH
78	signal transduction	O81445	CNBL1_ARATH
79	signal transduction	O81223	CNBL4_ARATH
80	signal transduction	Q7FZF1	CNBL5_ARATH
81	signal transduction	Q7FRS8	CNBLA_ARATH
82	catalytic activity	Q9ZPV8	COAD_ARATH
83	cell-wall related	Q94KT8	COBRA_ARATH
84	amino acid metabolism	Q9SUR6	CORI3_ARATH
85	catalytic activity	P34791	CP20C_ARATH
86	binding activity	Q8LL04	CPL3_ARATH
87	binding activity	Q00IB6	CPL4_ARATH
88	cell-wall related	Q9SRW9	CSLD5_ARATH
89	signal transduction	P45432	CSN1_ARATH

90	cell-wall related	Q9MA41	CTL1_ARATH
91	energy metabolism	Q9S7L9	CX6B1_ARATH
92	catalytic activity	O22683	CYNS_ARATH
93	catalytic activity	Q9SLD2	DGAT1_ARATH
94	amino acid metabolism	Q43314	DHE1_ARATH
95	amino acid metabolism	Q38946	DHE2_ARATH
96	protein synthesis and degradation	Q94AW8	DNAJ3_ARATH
97	catalytic activity	Q42546	DPNP1_ARATH
98	binding activity	Q9LN86	DRE1F_ARATH
99	binding activity	O80917	DRE2E_ARATH
100	protein synthesis and degradation	Q93ZT5	EDL3_ARATH
101	transcription	Q9LYU3	EF113_ARATH
102	protein synthesis and degradation	Q38884	EIF3I_ARATH
103	signal transduction	Q9S814	EIN2_ARATH
104	catalytic activity	P25696	ENO2_ARATH
105	protein synthesis and degradation	Q9STX5	ENPL_ARATH
106	transporter	O04036	ERD6_ARATH
107	transporter	Q94KE0	ERDL3_ARATH
108	signal transduction	P49333	ETR1_ARATH
109	catalytic activity	Q39152	FACR1_ARATH
110	catalytic activity	Q9LXN3	FACR4_ARATH
111	catalytic activity	Q0WRB0	FACR5_ARATH
112	catalytic activity	P52839	FSTL_ARATH
113	energy metabolism	P93033	FUM1_ARATH
114	energy metabolism	Q9FI53	FUM2_ARATH
115	catalytic activity	Q9C6I4	G2OX7_ARATH
116	energy metabolism	P25858	G3PC_ARATH
117	binding activity	Q9LQT8	GAI_ARATH
118	binding activity	Q9FMA8	GL111_ARATH
119	binding activity	Q9LEA7	GL18_ARATH
120	amino acid metabolism	Q8LCE1	GLN12_ARATH
121	amino acid metabolism	Q43127	GLNA2_ARATH
122	ROS scavenging and defense	Q9C8L4	GLO2O_ARATH
123	catalytic activity	O22287	GMPP1_ARATH
124	ROS scavenging and defense	O48646	GPX6_ARATH
125	binding activity	Q03250	GRP7_ARATH
126	binding activity	Q03251	GRP8_ARATH
127	ROS scavenging and defense	P46422	GSTF2_ARATH
128	ROS scavenging and defense	P42760	GSTF6_ARATH
129	ROS scavenging and defense	Q9SRY5	GSTF7_ARATH
130	ROS scavenging and defense	Q96266	GSTF8_ARATH
131	transcription	Q9FGW9	GTE10_ARATH
132	cell-wall related	Q38890	GUN25_ARATH
133	ROS scavenging and defense	Q9S7V4	HA22A_ARATH
134	ROS scavenging and defense	Q9SYX7	HA22B_ARATH
135	ROS scavenging and defense	Q9S784	HA22C_ARATH
136	ROS scavenging and defense	Q9S760	HA22D_ARATH
137	ROS scavenging and defense	Q9FED2	HA22E_ARATH
138	catalytic activity	Q9SWE5	HAL3A_ARATH
139	catalytic activity	P94063	HAL3B_ARATH
140	transcription	Q02283	HAT5_ARATH
141	amino acid metabolism	Q9FML2	HDA6_ARATH
142	amino acid metabolism	Q9LZR5	HDT3_ARATH
143	cytoskeleton	P43082	HEVL_ARATH
144	transporter	Q84TI7	HKT1_ARATH

145	ROS scavenging and defense	Q9XIE3	HS17A_ARATH
146	ROS scavenging and defense	P55737	HS902_ARATH
147	energy metabolism	Q9LPS1	HXK3_ARATH
148	energy metabolism	Q9T071	HXKL2_ARATH
149	catalytic activity	Q9LXC9	IPYR1_ARATH
150	signal transduction	P42818	KPK1_ARATH
151	signal transduction	Q39030	KPK2_ARATH
152	signal transduction	Q9FVS6	KSG4_ARATH
153	signal transduction	Q8VZD5	KSG5_ARATH
154	signal transduction	Q39012	KSG9_ARATH
155	catalytic activity	Q8LKS5	LACS7_ARATH
156	catalytic activity	Q9SA14	LEU31_ARATH
157	catalytic activity	Q9FMT1	LEU33_ARATH
158	transcription	Q6R0H1	LHY_ARATH
159	signal transduction	Q9M3D8	LRK13_ARATH
160	ROS scavenging and defense	Q04980	LTI65_ARATH
161	ROS scavenging and defense	Q06738	LTI78_ARATH
162	signal transduction	Q9M8Y5	LTL1_ARATH
163	signal transduction	Q9S7U9	M2K2_ARATH
164	signal transduction	Q39008	M3K1_ARATH
165	ROS scavenging and defense	O04309	MB31_ARATH
166	catalytic activity	Q9SR59	MDAR1_ARATH
167	ROS scavenging and defense	Q93WJ8	MDAR4_ARATH
168	energy metabolism	P93819	MDHC1_ARATH
169	energy metabolism	Q9ZP06	MDHM1_ARATH
170	catalytic activity	O50008	METE_ARATH
171	ROS scavenging and defense	P23686	METK1_ARATH
172	catalytic activity	Q9C5X8	MOCOS_ARATH
173	signal transduction	Q39024	MPK4_ARATH
174	signal transduction	Q39026	MPK6_ARATH
175	catalytic activity	Q9ZU25	MPPA1_ARATH
176	transcription	Q9S9K9	MYB3_ARATH
177	transcription	O49608	MYB32_ARATH
178	transcription	Q9FDW1	MYB44_ARATH
179	transcription	Q9FE25	MYB75_ARATH
180	protein synthesis and degradation	Q9LHG9	NACA1_ARATH
181	protein synthesis and degradation	Q6ICZ8	NACA3_ARATH
182	energy metabolism	P83291	NCB5R_ARATH
183	catalytic activity	Q9LRR7	NCED3_ARATH
184	signal transduction	P39207	NDK1_ARATH
185	energy metabolism	Q9SK66	NDUA9_ARATH
186	binding activity	Q9SY59	NFXL1_ARATH
187	binding activity	Q9FFK8	NFXL2_ARATH
188	transporter	Q68KI4	NHX1_ARATH
189	transporter	Q84WG1	NHX3_ARATH
190	transporter	Q9LKW9	NHX7_ARATH
191	binding activity	Q9LLR6	NLTP4_ARATH
192	energy metabolism	Q9LK88	NQR_ARATH
193	catalytic activity	Q9SU14	NUDT7_ARATH
194	energy metabolism	Q8H1Y0	ODPA2_ARATH
195	ROS scavenging and defense	P50700	OSL3_ARATH
196	catalytic activity	P54904	P5CR1_ARATH
197	catalytic activity	P54887	P5CS1_ARATH
198	binding activity	P42731	PABP2_ARATH
199	catalytic activity	Q9XI01	PDI11_ARATH

200	catalytic activity	Q9SRG3	PDI12_ARATH
201	ROS scavenging and defense	Q8L940	PDX13_ARATH
202	signal transduction	Q8W1X2	PD XK_ARATH
203	ROS scavenging and defense	P24102	PER22_ARATH
204	ROS scavenging and defense	O80912	PER23_ARATH
205	ROS scavenging and defense	O23044	PER3_ARATH
206	ROS scavenging and defense	Q9SZE7	PER51_ARATH
207	signal transduction	P42339	PI3K_ARATH
208	catalytic activity	Q42539	PIMT_ARATH
209	transporter	Q06611	PIP12_ARATH
210	signal transduction	Q39032	PLCD1_ARATH
211	signal transduction	P58766	PLDZ1_ARATH
212	energy metabolism	Q9SU58	PMA4_ARATH
213	catalytic activity	O80840	PMM_ARATH
214	binding activity	Q9LSQ2	PP239_ARATH
215	protein synthesis and degradation	Q7DLR9	PSB4_ARATH
216	protein synthesis and degradation	Q8LD27	PSB6_ARATH
217	protein synthesis and degradation	Q9LT08	PSDE_ARATH
218	protein synthesis and degradation	P55034	PSMD4_ARATH
219	transporter	Q9FNL7	PTR3_ARATH
220	catalytic activity	Q8W4J3	QSOX1_ARATH
221	signal transduction	Q9XI98	RAG3E_ARATH
222	signal transduction	Q9M651	RAGP2_ARATH
223	binding activity	P41916	RAN1_ARATH
224	transcription	Q8H1E4	RAP24_ARATH
225	signal transduction	Q7G1L2	RAP26_ARATH
226	binding activity	Q8RY59	RCD1_ARATH
227	ROS scavenging and defense	Q9ZNQ7	RCI2A_ARATH
228	catalytic activity	P43296	RD19A_ARATH
229	ROS scavenging and defense	Q08298	RD22_ARATH
230	ROS scavenging and defense	Q9SLH3	RGA_ARATH
231	signal transduction	Q9C8Y3	RGL1_ARATH
232	binding activity	Q8GXW1	RGL2_ARATH
233	catalytic activity	Q9SRT9	RGP1_ARATH
234	catalytic activity	Q9LFW1	RGP2_ARATH
235	catalytic activity	Q9FFD2	RGP5_ARATH
236	catalytic activity	Q94C75	RH25_ARATH
237	catalytic activity	Q9LUW6	RH9_ARATH
238	protein synthesis and degradation	Q9ZT50	RHA2A_ARATH
239	protein synthesis and degradation	Q42112	RLA02_ARATH
240	protein synthesis and degradation	P57691	RLA03_ARATH
241	signal transduction	Q9ZRF9	RPK1_ARATH
242	protein synthesis and degradation	Q9S9P1	RS121_ARATH
243	protein synthesis and degradation	Q9SIP7	RS31_ARATH
244	protein synthesis and degradation	Q9M339	RS32_ARATH
245	protein synthesis and degradation	Q9FJA6	RS33_ARATH
246	protein synthesis and degradation	Q08682	RSSA1_ARATH
247	binding activity	Q9STJ9	SAP10_ARATH
248	amino acid metabolism	O64644	SAP18_ARATH
249	protein synthesis and degradation	Q9M2S6	SDIR1_ARATH
250	ROS scavenging and defense	P24704	SODC_ARATH
251	ROS scavenging and defense	O81235	SODM_ARATH
252	amino acid metabolism	Q9SI64	SPE1_ARATH
253	amino acid metabolism	O23141	SPE2_ARATH
254	signal transduction	P43291	SRK2A_ARATH

255	signal transduction	Q9C958	SRK2B_ARATH
256	signal transduction	Q39192	SRK2D_ARATH
257	signal transduction	Q940H6	SRK2E_ARATH
258	signal transduction	Q9SMQ4	SRK2F_ARATH
259	signal transduction	P43292	SRK2G_ARATH
260	signal transduction	Q9FFP9	SRK2H_ARATH
261	signal transduction	Q39193	SRK2I_ARATH
262	catalytic activity	O82289	SRO1_ARATH
263	catalytic activity	Q9FJJ3	SRO5_ARATH
264	binding activity	Q96288	STO_ARATH
265	cytoskeleton	P29510	TBA2_ARATH
266	cytoskeleton	P29511	TBA6_ARATH
267	cytoskeleton	P29512	TBB2_ARATH
268	cytoskeleton	P29514	TBB6_ARATH
269	cytoskeleton	P29515	TBB7_ARATH
270	cytoskeleton	P29516	TBB8_ARATH
271	energy metabolism	P48491	TPIS_ARATH
272	amino acid metabolism	P14671	TRPB1_ARATH
273	ROS scavenging and defense	Q9MAH1	TTL1_ARATH
274	catalytic activity	Q9LSY6	U71B6_ARATH
275	catalytic activity	Q9M156	U72B1_ARATH
276	catalytic activity	Q9SYK9	U74E2_ARATH
277	catalytic activity	P57751	UGPA1_ARATH
278	catalytic activity	Q9M9P3	UGPA2_ARATH
279	protein synthesis and degradation	Q8RWN0	ULP1C_ARATH
280	protein synthesis and degradation	Q2PS26	ULPID_ARATH
281	catalytic activity	Q9FMV1	UMP7_ARATH
282	catalytic activity	Q9SMN1	UMP8_ARATH
283	transporter	O49377	VA711_ARATH
284	transporter	Q9LFP1	VA713_ARATH
285	transporter	Q9FMR5	VA714_ARATH
286	transporter	O23654	VATA_ARATH
287	transporter	Q39258	VATE1_ARATH
288	energy metabolism	O82122	VSP2_ARATH
289	transcription	O22921	WRK25_ARATH
290	transcription	Q8S8P5	WRK33_ARATH
291	binding activity	Q9C7A2	Y3236_ARATH
292	binding activity	Q42410	ZAT12_ARATH

Supplementary Table 3 (146 of 292 *Arabidopsis thaliana* salt-response proteins involved in the response of cold, drought, and heavy metal stress)

No. of salt-response proteins	Protein AC	Protein ID	Protein name
5	Q9SJN0	ABI5_ARATH	Protein ABSCISIC ACID-INSENSITIVE 5 (Dc3 promoter-binding factor 1) (AtDPBF1) (Protein GROWTH-INSENSITIVITY TO ABA 1) (bZIP transcription factor 39) (AtbZIP39)
7	Q41931	ACCO2_ARATH	1-aminocyclopropane-1-carboxylate oxidase 2 (ACC oxidase 2) (AtACO2) (EC 1.14.17.4)
9	Q9SIB9	ACO2M_ARATH	Aconitate hydratase 2, mitochondrial (Aconitase 2) (EC 4.2.1.3) (Citrate hydro-lyase 2)
11	P06525	ADH1_ARATH	Alcohol dehydrogenase class-P (EC 1.1.1.1)

13	Q9C5U2	AHK2_ARATH	Histidine kinase 2 (EC 2.7.13.3) (Arabidopsis histidine kinase 2) (AtHK2) (Protein AUTHENTIC HIS-KINASE 2)
14	Q9C5U1	AHK3_ARATH	Histidine kinase 3 (EC 2.7.13.3) (Arabidopsis histidine kinase 3) (AtHK3) (Protein AUTHENTIC HIS-KINASE 3) (Protein ORESARA 12)
15	Q9M7Q4	AI5L5_ARATH	ABSCISIC ACID-INSENSITIVE 5-like protein 5 (ABA-responsive element-binding protein 1) (Abscisic acid responsive elements-binding factor 2) (ABRE-binding factor 2) (bZIP transcription factor 36) (AtbZIP36)
16	Q9M7Q3	AI5L6_ARATH	ABSCISIC ACID-INSENSITIVE 5-like protein 6 (Abscisic acid responsive elements-binding factor 3) (ABRE-binding factor 3) (Dc3 promoter-binding factor 5) (AtDPBF5) (bZIP transcription factor 37) (AtbZIP37)
17	Q9M7Q2	AI5L7_ARATH	ABSCISIC ACID-INSENSITIVE 5-like protein 7 (ABA-responsive element-binding protein 2) (Abscisic acid responsive elements-binding factor 4) (ABRE-binding factor 4) (bZIP transcription factor 38) (AtbZIP38)
18	O80944	AKRC8_ARATH	Aldo-keto reductase family 4 member C8 (EC 1.1.1.-)
19	Q0PGJ6	AKRC9_ARATH	Aldo-keto reductase family 4 member C9 (EC 1.1.1.-)
22	Q70DU8	AL3H1_ARATH	Aldehyde dehydrogenase family 3 member H1 (AtALDH4) (EC 1.2.1.3)
23	Q9SYG7	AL7B4_ARATH	Aldehyde dehydrogenase family 7 member B4 (EC 1.2.1.3) (Antiquitin-1) (Turgor-responsive ALDH)
25	Q9SYT0	ANXD1_ARATH	Annexin D1 (AnnAt1) (Annexin A1)
26	Q9XEE2	ANXD2_ARATH	Annexin D2 (AnnAt2)
27	Q9SE45	ANXD3_ARATH	Annexin D3 (AnnAt3)
28	Q9ZVJ6	ANXD4_ARATH	Annexin D4 (AnnAt4)
29	Q9C9X3	ANXD5_ARATH	Annexin D5 (AnnAt5)
30	Q9LX08	ANXD6_ARATH	Annexin D6 (AnnAt6)
31	Q9LX07	ANXD7_ARATH	Annexin D7 (AnnAt7)
32	Q94CK4	ANXD8_ARATH	Annexin D8 (AnnAt8)
34	Q94AN4	AP2L1_ARATH	AP2-like ethylene-responsive transcription factor At1g16060
35	Q05431	APX1_ARATH	L-ascorbate peroxidase 1, cytosolic (AP) (AtAPx01) (EC 1.11.1.11)
37	O80931	AS1_ARATH	Transcription factor AS1 (Myb-related protein 91) (AtMYB91) (Protein ASYMMETRIC LEAVES 1) (Protein PHANTASTICA) (AtPHAN)
39	Q9M276	ATB12_ARATH	Homeobox-leucine zipper protein ATHB-12 (HD-ZIP protein ATHB-12) (Homeodomain transcription factor ATHB-12)
42	P31414	AVP1_ARATH	Pyrophosphate-energized vacuolar membrane proton pump 1 (EC 3.6.1.1) (Pyrophosphate-energized inorganic pyrophosphatase 1) (H(+)-PPase 1) (Vacuolar proton pyrophosphatase 1) (Vacuolar proton pyrophosphatase 3)
43	Q9S795	BADH1_ARATH	Betaine aldehyde dehydrogenase 1, chloroplastic (BADH) (EC 1.2.1.8) (Aldehyde dehydrogenase family 10 member A8)
44	Q9SE50	BGL18_ARATH	Beta-D-glucopyranosyl abscisate beta-glucosidase (EC 3.2.1.175) (Beta-glucosidase 1) (AtBG1) (Beta-glucosidase 18) (AtBGLU18) (Beta-glucosidase homolog 1)
45	Q9C525	BGL21_ARATH	Beta-glucosidase 21 (AtBGLU21) (EC 3.2.1.21) (Protein PHOSPHATE STARVATION-RESPONSE 3.2)
46	Q9C8Y9	BGL22_ARATH	Beta-glucosidase 22 (AtBGLU22) (EC 3.2.1.21)
47	Q9SR37	BGL23_ARATH	Beta-glucosidase 23 (AtBGLU23) (EC 3.2.1.21) (Protein PHOSPHATE STARVATION-RESPONSE 3.1)
52	Q8L765	BPM1_ARATH	BTB/POZ and MATH domain-containing protein 1 (Protein BTB-POZ AND MATH DOMAIN 1) (AtBPM1)
53	Q9M8J9	BPM2_ARATH	BTB/POZ and MATH domain-containing protein 2 (Protein BTB-POZ AND MATH DOMAIN 2) (AtBPM2)

55	Q9SRV1	BPM4_ARATH	BTB/POZ and MATH domain-containing protein 4 (Protein BTB-POZ AND MATH DOMAIN 4) (AtBPM4)
56	Q1EBV6	BPM5_ARATH	BTB/POZ and MATH domain-containing protein 5 (Protein BTB-POZ AND MATH DOMAIN 5) (AtBPM5)
58	Q94BN0	BT2_ARATH	BTB/POZ and TAZ domain-containing protein 2 (BTB and TAZ domain protein 2)
59	Q9SYL0	BT3_ARATH	BTB/POZ and TAZ domain-containing protein 3 (BTB and TAZ domain protein 3)
61	O04151	CALR1_ARATH	Calreticulin-1
63	Q39253	CAX1_ARATH	Vacuolar cation/proton exchanger 1 (Ca(2+)/H(+)) antiporter CAX1 (Ca(2+)/H(+) exchanger 1) (Protein RARE COLD INDUCIBLE 4)
65	P92973	CCA1_ARATH	Protein CCA1 (MYB-related transcription factor CCA1) (Protein CIRCADIAN CLOCK ASSOCIATED 1)
71	P19172	CHIA_ARATH	Acidic endochitinase (EC 3.2.1.14)
74	O65554	CIPK6_ARATH	CBL-interacting serine/threonine-protein kinase 6 (EC 2.7.11.1) (SNF1-related kinase 3.14) (SOS2-like protein kinase PKS4) (SOS3-interacting protein 3)
75	Q9MAM1	CIPK9_ARATH	CBL-interacting serine/threonine-protein kinase 9 (EC 2.7.11.1) (SNF1-related kinase 3.12) (SOS2-like protein kinase PKS6)
77	Q9S744	CML9_ARATH	Calmodulin-like protein 9 (AtCaM-9)
78	O81445	CNBL1_ARATH	Calcineurin B-like protein 1 (SOS3-like calcium-binding protein 5)
79	O81223	CNBL4_ARATH	Calcineurin B-like protein 4 (Protein SALT OVERLY SENSITIVE 3)
80	Q7FZF1	CNBL5_ARATH	Calcineurin B-like protein 5 (SOS3-like calcium-binding protein 4)
88	Q9SRW9	CSLD5_ARATH	Cellulose synthase-like protein D5 (AtCslD5) (EC 2.4.1.-)
90	Q9MA41	CTL1_ARATH	Chitinase-like protein 1 (AtCTL1) (Protein ANION ALTERED ROOT MORPHOLOGY) (Protein ECTOPIC DEPOSITION OF LIGNIN IN PITH 1) (Protein ECTOPIC ROOT HAIR 2) (Protein POM-POM1) (Protein SENSITIVE TO HOT TEMPERATURES 2)
93	Q9SLD2	DGAT1_ARATH	Diacylglycerol O-acyltransferase 1 (EC 2.3.1.20)
94	Q43314	DHE1_ARATH	Glutamate dehydrogenase 1 (GDH 1) (EC 1.4.1.3)
95	Q38946	DHE2_ARATH	Glutamate dehydrogenase 2 (GDH 2) (EC 1.4.1.3)
97	Q42546	DPNP1_ARATH	SAL1 phosphatase (3'(2'),5'-bisphosphate nucleotidase 1) (EC 3.1.3.7) (3'(2'),5'-bisphosphonucleoside 3'(2')-phosphohydrolase 1) (DPNPase 1) (Inositol polyphosphate 1-phosphatase 1) (IPPase 1) (Inositol-1,4-bisphosphate 1-phosphatase 1) (EC 3.1.3.57) (Protein FIERY 1)
98	Q9LN86	DRE1F_ARATH	Dehydration-responsive element-binding protein 1F (Protein DREB1F)
99	O80917	DRE2E_ARATH	Dehydration-responsive element-binding protein 2E (Protein DREB2E)
100	Q93ZT5	EDL3_ARATH	EID1-like F-box protein 3
101	Q9LYU3	EF113_ARATH	Ethylene-responsive transcription factor ERF113
102	Q38884	EIF3I_ARATH	Eukaryotic translation initiation factor 3 subunit I (eIF3i) (Eukaryotic translation initiation factor 3 subunit 2) (TGF-beta receptor-interacting protein 1) (TRIP-1) (eIF-3-beta) (eIF3 p36)
103	Q9S814	EIN2_ARATH	Ethylene-insensitive protein 2 (AtEIN2) (EIN-2) (Cytokinin-resistant protein AtCKR1)
104	P25696	ENO2_ARATH	Bifunctional enolase 2/transcriptional activator (EC 4.2.1.11) (2-phospho-D-glycerate hydro-lyase 2) (2-phosphoglycerate dehydratase 2) (LOW EXPRESSION OF OSMOTICALLY RESPONSIVE GENES 1)
105	Q9STX5	ENPL_ARATH	Endoplasmic homolog (Glucose-regulated protein 94 homolog) (GRP-94 homolog) (HSP90-like protein 7) (Protein SHEPHERD)
106	O04036	ERD6_ARATH	Sugar transporter ERD6 (Early-responsive to dehydration protein 6) (Sugar transporter-like protein 1)

107	Q94KE0	ERDL3_ARATH	Sugar transporter ERD6-like 3 (Sugar transporter-like protein 2)
108	P49333	ETR1_ARATH	Ethylene receptor 1 (AtETR1) (EC 2.7.13.3) (Protein ETHYLENE RESPONSE 1) (Protein ETR1)
116	P25858	G3PC_ARATH	Glyceraldehyde-3-phosphate dehydrogenase, cytosolic (EC 1.2.1.12)
121	Q43127	GLNA2_ARATH	Glutamine synthetase, chloroplastic/mitochondrial (EC 6.3.1.2) (GS2) (Glutamate--ammonia ligase)
124	O48646	GPX6_ARATH	Probable phospholipid hydroperoxide glutathione peroxidase 6, mitochondrial (AtGPX1) (PHGPx) (EC 1.11.1.12)
125	Q03250	GRP7_ARATH	Glycine-rich RNA-binding protein 7
126	Q03251	GRP8_ARATH	Glycine-rich RNA-binding protein 8 (Protein CCR1)
127	P46422	GSTF2_ARATH	Glutathione S-transferase F2 (AtGSTF2) (EC 2.5.1.18) (24 kDa auxin-binding protein) (AtPM24) (GST class-phi member 2)
128	P42760	GSTF6_ARATH	Glutathione S-transferase F6 (AtGSTF6) (EC 2.5.1.18) (AtGSTF3) (GST class-phi member 6) (Glutathione S-transferase 1) (AtGST1) (Protein EARLY RESPONSE TO DEHYDRATION 11)
129	Q9SRY5	GSTF7_ARATH	Glutathione S-transferase F7 (EC 2.5.1.18) (AtGSTF8) (GST class-phi member 7) (Glutathione S-transferase 11)
130	Q96266	GSTF8_ARATH	Glutathione S-transferase F8, chloroplastic (AtGSTF8) (EC 2.5.1.18) (AtGSTF5) (GST class-phi member 8) (Glutathione S-transferase 6)
131	Q9FGW9	GTE10_ARATH	Transcription factor GTE10 (Bromodomain-containing protein GTE10) (Nuclear protein X1) (Protein GLOBAL TRANSCRIPTION FACTOR GROUP E10)
133	Q9S7V4	HA22A_ARATH	HVA22-like protein a (AtHVA22a)
135	Q9S784	HA22C_ARATH	HVA22-like protein c (AtHVA22c)
136	Q9S760	HA22D_ARATH	HVA22-like protein d (AtHVA22d)
137	Q9FED2	HA22E_ARATH	HVA22-like protein e (AtHVA22e)
142	Q9LZR5	HDT3_ARATH	Histone deacetylase HDT3 (HD-tuins protein 3) (Histone deacetylase 2c)
146	P55737	HS902_ARATH	Heat shock protein 90-2 (AtHSP90.2) (Heat shock protein 81-2) (HSP81-2) (Protein EARLY-RESPONSIVE TO DEHYDRATION 8) (Protein LOSS OF RECOGNITION OF AVRRPM1 2)
147	Q9LPS1	HXK3_ARATH	Hexokinase-3 (EC 2.7.1.1)
148	Q9T071	HXKL2_ARATH	Probable hexokinase-like 2 protein (EC 2.7.1.1)
149	Q9LXC9	IPYR1_ARATH	Soluble inorganic pyrophosphatase 1, chloroplastic (EC 3.6.1.1) (Inorganic pyrophosphatase 1) (Pyrophosphate phospho-hydrolase 1) (PPase 1)
150	P42818	KPK1_ARATH	Serine/threonine-protein kinase AtPK1/AtPK6 (EC 2.7.11.1) (Ribosomal-protein S6 kinase homolog 1)
151	Q39030	KPK2_ARATH	Serine/threonine-protein kinase AtPK2/AtPK19 (EC 2.7.11.1) (Ribosomal-protein S6 kinase homolog 2)
158	Q6R0H1	LHY_ARATH	Protein LHY (MYB-related transcription factor LHY) (Protein LATE ELONGATED HYPOCOTYL)
160	Q04980	LTI65_ARATH	Low-temperature-induced 65 kDa protein (Desiccation-responsive protein 29B)
161	Q06738	LTI78_ARATH	Low-temperature-induced 78 kDa protein (Desiccation-responsive protein 29A)
162	Q9M8Y5	LTL1_ARATH	GDSL esterase/lipase LTL1 (EC 3.1.1.-) (Extracellular lipase LTL1) (Lithium-tolerant lipase 1) (AtLTL1) (Li-tolerant lipase 1)
163	Q9S7U9	M2K2_ARATH	Mitogen-activated protein kinase kinase 2 (AtMAP2Kbeta) (AtMKK2) (MAP kinase kinase 2) (EC 2.7.12.2)
164	Q39008	M3K1_ARATH	Mitogen-activated protein kinase kinase kinase 1 (ARAKIN) (AtMEKK1) (MAP kinase kinase kinase 1) (EC 2.7.11.25)

165	O04309	MB31_ARATH	Myrosinase-binding protein-like At3g16470
166	Q9SR59	MDAR1_ARATH	Probable monodehydroascorbate reductase, cytoplasmic isoform 1 (MDAR 1) (EC 1.6.5.4)
167	Q93WJ8	MDAR4_ARATH	Probable monodehydroascorbate reductase, cytoplasmic isoform 4 (MDAR 4) (EC 1.6.5.4)
168	P93819	MDHC1_ARATH	Malate dehydrogenase, cytoplasmic 1 (EC 1.1.1.37)
169	Q9ZP06	MDHM1_ARATH	Malate dehydrogenase 1, mitochondrial (EC 1.1.1.37) (mNAD-MDH 1)
170	O50008	METE_ARATH	5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase (EC 2.1.1.14) (Cobalamin-independent methionine synthase isozyme) (Vitamin-B12-independent methionine synthase isozyme)
171	P23686	METK1_ARATH	S-adenosylmethionine synthase 1 (AdoMet synthase 1) (EC 2.5.1.6) (Methionine adenosyltransferase 1) (MAT 1)
172	Q9C5X8	MOCOS_ARATH	Molybdenum cofactor sulfurase (MOS) (MoCo sulfurase) (EC 4.4.-.-) (Abscisic acid protein 3) (Low expression of osmotically expressive genes protein 5)
173	Q39024	MPK4_ARATH	Mitogen-activated protein kinase 4 (AtMPK4) (MAP kinase 4) (EC 2.7.11.24)
174	Q39026	MPK6_ARATH	Mitogen-activated protein kinase 6 (AtMPK6) (MAP kinase 6) (EC 2.7.11.24)
176	O49608	MYB32_ARATH	Transcription factor MYB32 (Myb-related protein 32) (AtMYB32)
178	Q9FDW1	MYB44_ARATH	Transcription factor MYB44 (Myb-related protein 44) (AtMYB44) (Myb-related protein R1) (AtMYBR1)
183	Q9LRR7	NCED3_ARATH	9-cis-epoxycarotenoid dioxygenase NCED3, chloroplastic (AtNCED3) (EC 1.13.11.51) (Protein SALT TOLERANT 1)
184	P39207	NDK1_ARATH	Nucleoside diphosphate kinase 1 (EC 2.7.4.6) (Nucleoside diphosphate kinase I) (NDK I) (NDP kinase I) (NDPK I)
191	Q9LLR6	NLTP4_ARATH	Non-specific lipid-transfer protein 4 (LTP 4)
197	P54887	P5CS1_ARATH	Delta-1-pyrroline-5-carboxylate synthase A (P5CS A) [Includes: Glutamate 5-kinase (GK) (EC 2.7.2.11) (Gamma-glutamyl kinase); Gamma-glutamyl phosphate reductase (GPR) (EC 1.2.1.41) (Glutamate-5-semialdehyde dehydrogenase) (Glutamyl-gamma-semialdehyde dehydrogenase)]
199	Q9XI01	PDI11_ARATH	Protein disulfide isomerase-like 1-1 (AtPDIL1-1) (EC 5.3.4.1) (Protein disulfide-isomerase 1) (PDI 1) (Protein disulfide-isomerase 5) (AtPDI5)
200	Q9SRG3	PDI12_ARATH	Protein disulfide isomerase-like 1-2 (AtPDIL1-2) (EC 5.3.4.1) (Protein disulfide-isomerase 2) (PDI 2) (Protein disulfide-isomerase 6) (AtPDI6)
203	P24102	PER22_ARATH	Peroxidase 22 (Atperox P22) (EC 1.11.1.7) (ATPEa) (Basic peroxidase E)
205	O23044	PER3_ARATH	Peroxidase 3 (Atperox P3) (EC 1.11.1.7) (ATPRC) (RCI3A) (Rare cold-inducible protein)
209	Q06611	PIP12_ARATH	Aquaporin PIP1-2 (AtPIP1;2) (Plasma membrane intrinsic protein 1b) (PIP1b) (Transmembrane protein A) (AthH2) (TMP-A)
210	Q39032	PLCD1_ARATH	Phosphoinositide phospholipase C 1 (EC 3.1.4.11) (Phosphoinositide phospholipase PLC1) (AtPLC1) (AtPLC1S) (PI-PLC1)
211	P58766	PLDZ1_ARATH	Phospholipase D zeta (AtPLDzeta) (PLD zeta) (EC 3.1.4.4)
215	Q7DLR9	PSB4_ARATH	Proteasome subunit beta type-4 (EC 3.4.25.1) (20S proteasome beta subunit G-1) (Proteasome component H) (Proteasome subunit beta type-7)
216	Q8LD27	PSB6_ARATH	Proteasome subunit beta type-6 (EC 3.4.25.1) (20S proteasome beta subunit A-1) (Proteasome component D) (Proteasome subunit beta type-1)
223	P41916	RAN1_ARATH	GTP-binding nuclear protein Ran-1 (Ras-related nuclear protein 1)

224	Q8H1E4	RAP24_ARATH	Ethylene-responsive transcription factor RAP2-4 (Ethylene-responsive transcription factor ERF059) (Protein RELATED TO APETALA2 4)
225	Q7G1L2	RAP26_ARATH	Ethylene-responsive transcription factor RAP2-6 (Protein RELATED TO APETALA2 6)
226	Q8RY59	RCD1_ARATH	Inactive poly [ADP-ribose] polymerase RCD1 (Protein RADICAL-INDUCED CELL DEATH 1)
227	Q9ZNQ7	RCI2A_ARATH	Hydrophobic protein RCI2A (Low temperature and salt-responsive protein LTI6A)
234	Q9LFW1	RGP2_ARATH	UDP-arabinopyranose mutase 2 (EC 5.4.99.30) (Reversibly glycosylated polypeptide 2) (AtRGP2) (UDP-L-arabinose mutase 2)
236	Q94C75	RH25_ARATH	DEAD-box ATP-dependent RNA helicase 25 (EC 3.6.4.13)
237	Q9LUW6	RH9_ARATH	DEAD-box ATP-dependent RNA helicase 9 (EC 3.6.4.13)
239	Q42112	RLA02_ARATH	60S acidic ribosomal protein P0-2
241	Q9ZRF9	RPK1_ARATH	Probable LRR receptor-like serine/threonine-protein kinase RPK1 (EC 2.7.11.1) (Protein TOADSTOOL 1) (Receptor-like protein kinase 1)
242	Q9S9P1	RS121_ARATH	40S ribosomal protein S12-1
247	Q9STJ9	SAP10_ARATH	Zinc finger A20 and AN1 domain-containing stress-associated protein 10 (AtSAP10)
249	Q9M2S6	SDIR1_ARATH	E3 ubiquitin-protein ligase SDIR1 (EC 6.3.2.-) (Protein salt- and drought-induced RING finger1)
250	P24704	SODC_ARATH	Superoxide dismutase [Cu-Zn] (EC 1.15.1.1) (Copper/zinc superoxide dismutase 1)
251	O81235	SODM_ARATH	Superoxide dismutase [Mn], mitochondrial (EC 1.15.1.1)
252	Q9SI64	SPE1_ARATH	Arginine decarboxylase 1 (ADC 1) (ADC-O) (ARGDC 1) (EC 4.1.1.19)
253	O23141	SPE2_ARATH	Arginine decarboxylase 2 (ADC 2) (ARGDC 2) (EC 4.1.1.19) (ADC-N)
257	Q940H6	SRK2E_ARATH	Serine/threonine-protein kinase SRK2E (EC 2.7.11.1) (Protein OPEN STOMATA 1) (SNF1-related kinase 2.6) (SnRK2.6) (Serine/threonine-protein kinase OST1)
265	P29510	TBA2_ARATH	Tubulin alpha-2/alpha-4 chain
267	P29512	TBB2_ARATH	Tubulin beta-2/beta-3 chain
268	P29514	TBB6_ARATH	Tubulin beta-6 chain (Beta-6-tubulin)
269	P29515	TBB7_ARATH	Tubulin beta-7 chain (Beta-7-tubulin)
271	P48491	TPIS_ARATH	Triosephosphate isomerase, cytosolic (TIM) (Triose-phosphate isomerase) (EC 5.3.1.1)
276	Q9SYK9	U74E2_ARATH	UDP-glycosyltransferase 74E2 (EC 2.4.1.-)
277	P57751	UGPA1_ARATH	UTP--glucose-1-phosphate uridylyltransferase 1 (EC 2.7.7.9) (UDP-glucose pyrophosphorylase 1) (UDPGP 1) (UGPase 1)
287	Q39258	VATE1_ARATH	V-type proton ATPase subunit E1 (V-ATPase subunit E1) (Protein EMBRYO DEFECTIVE 2448) (Vacuolar H(+)-ATPase subunit E isoform 1) (Vacuolar proton pump subunit E1)
288	O82122	VSP2_ARATH	Vegetative storage protein 2
289	O22921	WRK25_ARATH	Probable WRKY transcription factor 25 (WRKY DNA-binding protein 25)
290	Q8S8P5	WRK33_ARATH	Probable WRKY transcription factor 33 (WRKY DNA-binding protein 33)
292	Q42410	ZAT12_ARATH	Zinc finger protein ZAT12 (Protein RESPONSIVE TO HIGH LIGHT 41)

Supplementary Table 4 (67 salt-response proteins crosstalking with cold stress)

No. of salt-response proteins	Molecular function	Protein AC	Protein ID
13	cytoskeleton	Q9C5U2	AHK2_ARATH

14	amino acid metabolism	Q9C5U1	AHK3_ARATH
18	catalytic activity	O80944	AKRC8_ARATH
19	catalytic activity	Q0PGJ6	AKRC9_ARATH
25	cytoskeleton	Q9SYT0	ANXD1_ARATH
26	cytoskeleton	Q9XEE2	ANXD2_ARATH
27	cytoskeleton	Q9SE45	ANXD3_ARATH
28	cytoskeleton	Q9ZVJ6	ANXD4_ARATH
29	cytoskeleton	Q9C9X3	ANXD5_ARATH
30	cytoskeleton	Q9LX08	ANXD6_ARATH
31	cytoskeleton	Q9LX07	ANXD7_ARATH
32	cytoskeleton	Q94CK4	ANXD8_ARATH
45	catalytic activity	Q9C525	BGL21_ARATH
46	catalytic activity	Q9C8Y9	BGL22_ARATH
47	catalytic activity	Q9SR37	BGL23_ARATH
58	binding activity	Q94BN0	BT2_ARATH
59	binding activity	Q9SYL0	BT3_ARATH
63	transporter	Q39253	CAX1_ARATH
65	transcription	P92973	CCA1_ARATH
71	cell-wall related	P19172	CHIA_ARATH
75	signal transduction	Q9MAM1	CIPK9_ARATH
78	signal transduction	O81445	CNBL1_ARATH
93	catalytic activity	Q9SLD2	DGAT1_ARATH
97	catalytic activity	Q42546	DPNP1_ARATH
98	binding activity	Q9LN86	DRE1F_ARATH
101	transcription	Q9LYU3	EF113_ARATH
104	catalytic activity	P25696	ENO2_ARATH
105	protein synthesis and degradation	Q9STX5	ENPL_ARATH
125	binding activity	Q03250	GRP7_ARATH
126	binding activity	Q03251	GRP8_ARATH
127	ROS scavenging and defense	P46422	GSTF2_ARATH
130	ROS scavenging and defense	Q96266	GSTF8_ARATH
131	transcription	Q9FGW9	GTE10_ARATH
133	ROS scavenging and defense	Q9S7V4	HA22A_ARATH
136	ROS scavenging and defense	Q9S760	HA22D_ARATH
137	ROS scavenging and defense	Q9FED2	HA22E_ARATH
147	energy metabolism	Q9LPS1	HXK3_ARATH
148	energy metabolism	Q9T071	HXKL2_ARATH
150	signal transduction	P42818	KPK1_ARATH
151	signal transduction	Q39030	KPK2_ARATH
158	transcription	Q6R0H1	LHY_ARATH
160	ROS scavenging and defense	Q04980	LT165_ARATH
161	ROS scavenging and defense	Q06738	LT178_ARATH
163	signal transduction	Q9S7U9	M2K2_ARATH
164	signal transduction	Q39008	M3K1_ARATH
165	ROS scavenging and defense	O04309	MB31_ARATH
169	energy metabolism	Q9ZP06	MDHM1_ARATH
172	catalytic activity	Q9C5X8	MOCOS_ARATH
173	signal transduction	Q39024	MPK4_ARATH
174	signal transduction	Q39026	MPK6_ARATH
205	ROS scavenging and defense	O23044	PER3_ARATH

210	signal transduction	Q39032	PLCD1_ARATH
224	transcription	Q8H1E4	RAP24_ARATH
225	signal transduction	Q7G1L2	RAP26_ARATH
227	ROS scavenging and defense	Q9ZNQ7	RCI2A_ARATH
236	catalytic activity	Q94C75	RH25_ARATH
237	catalytic activity	Q9LUW6	RH9_ARATH
239	protein synthesis and degradation	Q42112	RLA02_ARATH
241	signal transduction	Q9ZRF9	RPK1_ARATH
247	binding activity	Q9STJ9	SAP10_ARATH
252	amino acid metabolism	Q9SI64	SPE1_ARATH
253	amino acid metabolism	O23141	SPE2_ARATH
268	cytoskeleton	P29514	TBB6_ARATH
287	transporter	Q39258	VATE1_ARATH
289	transcription	O22921	WRK25_ARATH
290	transcription	Q8S8P5	WRK33_ARATH
292	binding activity	Q42410	ZAT12_ARATH

Supplementary Table 5 (71 salt-response proteins crosstalking with drought stress)

No. of salt-response proteins	Molecular function	Protein AC	Protein ID
5	signal transduction	Q9SJN0	ABI5_ARATH
13	cytoskeleton	Q9C5U2	AHK2_ARATH
14	amino acid metabolism	Q9C5U1	AHK3_ARATH
15	signal transduction	Q9M7Q4	AI5L5_ARATH
16	signal transduction	Q9M7Q3	AI5L6_ARATH
17	signal transduction	Q9M7Q2	AI5L7_ARATH
18	catalytic activity	O80944	AKRC8_ARATH
19	catalytic activity	Q0PGJ6	AKRC9_ARATH
22	energy metabolism	Q70DU8	AL3H1_ARATH
23	energy metabolism	Q9SYG7	AL7B4_ARATH
25	cytoskeleton	Q9SYT0	ANXD1_ARATH
26	cytoskeleton	Q9XEE2	ANXD2_ARATH
27	cytoskeleton	Q9SE45	ANXD3_ARATH
28	cytoskeleton	Q9ZVJ6	ANXD4_ARATH
29	cytoskeleton	Q9C9X3	ANXD5_ARATH
30	cytoskeleton	Q9LX08	ANXD6_ARATH
31	cytoskeleton	Q9LX07	ANXD7_ARATH
32	cytoskeleton	Q94CK4	ANXD8_ARATH
34	signal transduction	Q94AN4	AP2L1_ARATH
39	binding activity	Q9M276	ATB12_ARATH
42	transporter	P31414	AVP1_ARATH
43	catalytic activity	Q9S795	BADH1_ARATH
44	catalytic activity	Q9SE50	BGL18_ARATH
52	binding activity	Q8L765	BPM1_ARATH
53	binding activity	Q9M8J9	BPM2_ARATH

55	binding activity	Q9SRV1	BPM4_ARATH
56	binding activity	Q1EBV6	BPM5_ARATH
71	cell-wall related	P19172	CHIA_ARATH
74	signal transduction	O65554	CIPK6_ARATH
77	signal transduction	Q9S744	CML9_ARATH
78	signal transduction	O81445	CNBL1_ARATH
80	signal transduction	Q7FZF1	CNBL5_ARATH
88	cell-wall related	Q9SRW9	CSLD5_ARATH
90	cell-wall related	Q9MA41	CTL1_ARATH
97	catalytic activity	Q42546	DPNP1_ARATH
98	binding activity	Q9LN86	DRE1F_ARATH
99	binding activity	O80917	DRE2E_ARATH
100	protein synthesis and degradation	Q93ZT5	EDL3_ARATH
101	transcription	Q9LYU3	EF113_ARATH
105	protein synthesis and degradation	Q9STX5	ENPL_ARATH
106	transporter	O04036	ERD6_ARATH
107	transporter	Q94KE0	ERDL3_ARATH
128	ROS scavenging and defense	P42760	GSTF6_ARATH
133	ROS scavenging and defense	Q9S7V4	HA22A_ARATH
135	ROS scavenging and defense	Q9S784	HA22C_ARATH
136	ROS scavenging and defense	Q9S760	HA22D_ARATH
137	ROS scavenging and defense	Q9FED2	HA22E_ARATH
142	amino acid metabolism	Q9LZR5	HDT3_ARATH
146	ROS scavenging and defense	P55737	HS902_ARATH
148	energy metabolism	Q9T071	HXKL2_ARATH
160	ROS scavenging and defense	Q04980	LTI65_ARATH
161	ROS scavenging and defense	Q06738	LTI78_ARATH
166	catalytic activity	Q9SR59	MDAR1_ARATH
178	transcription	Q9FDW1	MYB44_ARATH
183	catalytic activity	Q9LRR7	NCED3_ARATH
191	binding activity	Q9LLR6	NLTP4_ARATH
197	catalytic activity	P54887	P5CS1_ARATH
205	ROS scavenging and defense	O23044	PER3_ARATH
209	transporter	Q06611	PIP12_ARATH
210	signal transduction	Q39032	PLCD1_ARATH
211	signal transduction	P58766	PLDZ1_ARATH
224	transcription	Q8H1E4	RAP24_ARATH
225	signal transduction	Q7G1L2	RAP26_ARATH
226	binding activity	Q8RY59	RCD1_ARATH
236	catalytic activity	Q94C75	RH25_ARATH
237	catalytic activity	Q9LUW6	RH9_ARATH
241	signal transduction	Q9ZRF9	RPK1_ARATH
249	protein synthesis and degradation	Q9M2S6	SDIR1_ARATH

257	signal transduction	Q940H6	SRK2E_ARATH
276	catalytic activity	Q9SYK9	U74E2_ARATH
290	transcription	Q8S8P5	WRK33_ARATH

Supplementary Table 6 (54 salt-response proteins crosstalking with heavy metal stress)

No. of salt-response proteins	Molecular function	Protein AC	Protein ID
7	cell-wall related	Q41931	ACCO2_ARATH
9	energy metabolism	Q9SIB9	ACO2M_ARATH
11	energy metabolism	P06525	ADH1_ARATH
18	catalytic activity	O80944	AKRC8_ARATH
25	cytoskeleton	Q9SYT0	ANXD1_ARATH
35	ROS scavenging and defense	Q05431	APX1_ARATH
37	transcription	O80931	AS1_ARATH
61	signal transduction	O04151	CALR1_ARATH
65	transcription	P92973	CCA1_ARATH
79	signal transduction	O81223	CNBL4_ARATH
94	amino acid metabolism	Q43314	DHE1_ARATH
95	amino acid metabolism	Q38946	DHE2_ARATH
102	protein synthesis and degradation	Q38884	EIF3I_ARATH
103	signal transduction	Q9S814	EIN2_ARATH
104	catalytic activity	P25696	ENO2_ARATH
105	protein synthesis and degradation	Q9STX5	ENPL_ARATH
108	signal transduction	P49333	ETR1_ARATH
116	energy metabolism	P25858	G3PC_ARATH
121	amino acid metabolism	Q43127	GLNA2_ARATH
124	ROS scavenging and defense	O48646	GPX6_ARATH
125	binding activity	Q03250	GRP7_ARATH
126	binding activity	Q03251	GRP8_ARATH
127	ROS scavenging and defense	P46422	GSTF2_ARATH
128	ROS scavenging and defense	P42760	GSTF6_ARATH
129	ROS scavenging and defense	Q9SRY5	GSTF7_ARATH
149	catalytic activity	Q9LXC9	IPYR1_ARATH
158	transcription	Q6R0H1	LHY_ARATH
162	signal transduction	Q9M8Y5	LTL1_ARATH
167	ROS scavenging and defense	Q93WJ8	MDAR4_ARATH
168	energy metabolism	P93819	MDHC1_ARATH
169	energy metabolism	Q9ZP06	MDHM1_ARATH
170	catalytic activity	O50008	METE_ARATH
171	ROS scavenging and defense	P23686	METK1_ARATH
177	transcription	O49608	MYB32_ARATH
178	transcription	Q9FDW1	MYB44_ARATH
184	signal transduction	P39207	NDK1_ARATH
199	catalytic activity	Q9XI01	PDI11_ARATH
200	catalytic activity	Q9SRG3	PDI12_ARATH
203	ROS scavenging and defense	P24102	PER22_ARATH
215	protein synthesis and degradation	Q7DLR9	PSB4_ARATH

216	protein synthesis and degradation	Q8LD27	PSB6_ARATH
223	binding activity	P41916	RAN1_ARATH
234	catalytic activity	Q9LFW1	RGP2_ARATH
239	protein synthesis and degradation	Q42112	RLA02_ARATH
242	protein synthesis and degradation	Q9S9P1	RS121_ARATH
247	binding activity	Q9STJ9	SAP10_ARATH
250	ROS scavenging and defense	P24704	SODC_ARATH
251	ROS scavenging and defense	O81235	SODM_ARATH
265	cytoskeleton	P29510	TBA2_ARATH
267	cytoskeleton	P29512	TBB2_ARATH
269	cytoskeleton	P29515	TBB7_ARATH
271	energy metabolism	P48491	TPIS_ARATH
277	catalytic activity	P57751	UGPA1_ARATH
288	energy metabolism	O82122	VSP2_ARATH