

Locus ID	Annotation
1 AT3G15430	Regulator of chromosome condensation (RCC1) family protein
2 AT1G10150	carbohydrate-binding protein
3 AT1G68440	transmembrane protein
4 AT3G02750	Protein phosphatase 2C family protein
5 AT5G59960	K-stimulated pyrophosphate-energized sodium pump protein
6 AT3G21390	Mitochondrial thiamin diphosphate carrier
7 AT5G65380	MATE efflux family protein
8 AT1G33110	MATE efflux family protein
9 AT2G36320	A20/AN1-like zinc finger family protein
10 AT4G14930	Survival protein SurE-like phosphatase/nucleotidase
11 AT4G28300	hydroxyproline-rich glycoprotein family protein
12 AT3G04000	ChIADR / short-chain dehydrogenase/reductase (SDR) family protein
13 AT4G27680	P-loop containing nucleoside triphosphate hydrolases superfamily protein
14 AT4G16000	hypothetical protein
15 AT1G21400	Thiamin diphosphate-binding fold (THDP-binding) superfamily protein
16 AT1G09480	alcohol dehydrogenase of unknown physiological function
17 AT1G23040	hydroxyproline-rich glycoprotein family protein
18 AT1G19500	hypothetical protein
19 AT1G49470	transmembrane epididymal protein (DUF716)
20 AT2G30600	BTB/POZ domain-containing protein
21 AT2G23840	HNH endonuclease
22 AT5G39080	HXXXD-type acyl-transferase family protein
23 AT1G05070	transmembrane protein, putative (DUF1068)
24 AT3G49790	Carbohydrate-binding protein
25 AT4G37220	Cold acclimation protein WCOR413 family
26 AT4G32870	Polyketide cyclase/dehydrase and lipid transport superfamily protein
27 AT1G53870	LURP-one-like protein (DUF567)
28 AT3G14560	hypothetical protein
29 AT5G35970	P-loop containing nucleoside triphosphate hydrolases superfamily protein
30 AT4G17245	RING/U-box superfamily protein
31 AT5G13360	Auxin-responsive GH3 family protein
32 AT4G22530	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
33 AT5G42940	RING/U-box superfamily protein

34	AT5G51440	HSP20-like chaperones superfamily protein
35	AT1G54740	FANTASTIC four-like protein (DUF3049)
36	AT5G19440	alcohol dehydrogenase of unknown physiological function
37	AT1G75810	transmembrane protein
38	AT1G13990	expressed protein
39	AT5G51260	HAD superfamily, subfamily IIIB acid phosphatase
40	AT1G09500	alcohol dehydrogenase of unknown physiological function
41	AT4G31140	O-Glycosyl hydrolases family 17 protein
42	AT1G68140	zinc finger/BTB domain protein, putative (DUF1644)
43	AT1G03090	methylcrotonyl-CoA carboxylase alpha chain, mitochondrial (MCCA)
44	AT1G22400	UDP-Glycosyltransferase superfamily protein (UGT85A1)
45	AT5G01520	ABA INSENSITIVE RING PROTEIN 2 (AIRP2)
46	AT3G24503	ALDEHYDE DEHYDROGENASE 2C4 (ALDH2C4)
47	AT1G54100	ALDEHYDE DEHYDROGENASE 7B4 (ALDH7B4)
48	AT2G37760	ALDO-KETO REDUCTASE FAMILY 4 MEMBER C8 (AKR4C8)
49	AT1G64780	AMMONIUM TRANSPORTER 1;2 (AMT1;2)
50	AT2G39350	ATP-BINDING CASSETTE G1 (ABCG1)
51	AT5G49450	BASIC LEUCINE-ZIPPER 1 (bZIP1)
52	AT4G34610	BEL1-like homeodomain 6 BLH6
53	AT3G13750	beta-galactosidase BGAL1
54	AT4G27830	BETA GLUCOSIDASE 10 (BGLU10)
55	AT5G64570	BETA-D-XYLOSIDASE 4 (XYL4)
56	AT5G56870	beta-galactosidase BGAL4
57	AT1G10070	chloroplast branched-chain amino acid aminotransferase (BCAT-2)
58	AT3G30180	BRASSINOSTEROID-6-OXIDASE 2 (BR6OX2)
59	AT1G72680	cinnamyl-alcohol dehydrogenase CAD1
60	AT2G42530	COLD-REGULATED COR15B
61	AT2G42540	COLD-REGULATED COR15A
62	AT3G28740	CYTOCHROME P450, FAMILY 81, SUBFAMILY D, POLYPEPTIDE 11 (CYP81D11)
63	AT3G13450	branched chain alpha-keto acid dehydrogenase E1 beta; DARK INDUCIBLE 4 (DIN4)
64	AT3G13310	Chaperone DnaJ-domain superfamily protein DJC66
65	AT4G36040	Chaperone DnaJ-domain superfamily protein; DNAJ11
66	AT5G67190	DREB AND EAR MOTIF PROTEIN 2 (DEAR2)
67	AT5G54510	DWARF IN LIGHT 1 (DFL1)

68	AT3G30775	EARLY RESPONSIVE TO DEHYDRATION 5 (ERD5)
69	AT5G25350	EIN3-binding F-box protein 2 (EBF2)
70	AT1G04310	ETHYLENE RESPONSE SENSOR 2 (ERS2)
71	AT5G09440	EXORDIUM like 4
72	AT1G26770	EXPANSIN EXPA10
73	AT5G14470	GHMP kinase family protein; GALACTOKINASE 2 (GALK2)
74	AT1G61800	GLUCOSE-6-PHOSPHATE/PHOSPHATE TRANSLOCATOR 2 (GPT2)
75	AT5G07440	GLUTAMATE DEHYDROGENASE 2 (GDH2)
76	AT3G47340	GLUTAMINE-DEPENDENT ASPARAGINE SYNTHASE 1 (ASN1)
77	AT2G29490	GLUTATHIONE S-TRANSFERASE TAU 1 (GSTU1)
78	AT1G59700	GLUTATHIONE S-TRANSFERASE TAU 16 (GSTU16)
79	AT1G17170	GLUTATHIONE S-TRANSFERASE TAU 24 (GSTU24)
80	AT1G53580	GLYOXALASE II 3 (GLY3)
81	AT1G80160	GLYOXYLASE I 7 (GLY17)
82	AT5G19855	HOMOLOGUE OF CYANOBACTERIAL RBCX 2 (RbcX2)
83	AT3G45300	ISOVALERYL-COA-DEHYDROGENASE (IVD)
84	AT3G55970	JASMONATE-REGULATED GENE 21 (JRG21)
85	AT1G15670	KISS ME DEADLY 2 (KMD2)
86	AT2G44130	KISS ME DEADLY 3 (KMD3)
87	AT3G59940	KISS ME DEADLY 4 (KMD4)
88	AT2G38530	LIPID TRANSFER PROTEIN 2 (LTP2)
89	AT4G33150	LYSINE-KETOGLUTARATE REDUCTASE (LKR)
90	AT1G29400	MEI2-LIKE PROTEIN 5 (ML5)
91	AT5G52900	MEMBRANE-ASSOCIATED KINASE REGULATOR 6 (MAKR6)
92	AT1G64660	METHIONINE GAMMA-LYASE (MGL)
93	AT1G05100	MITOGEN-ACTIVATED PROTEIN KINASE KINASE KINASE 18 (MAPKKK18)
94	AT2G16720	MYB DOMAIN PROTEIN 7 (MYB7)
95	AT5G39610	NAC DOMAIN CONTAINING PROTEIN 6 (NAC6)
96	AT5G13180	NAC DOMAIN CONTAINING PROTEIN 83 (NAC083)
97	AT5G48180	NITRILE SPECIFIER PROTEIN 5 (NSP5)
98	AT3G21670	NRT1/ PTR FAMILY 6.4 (NPF6.4)
99	AT5G03555	NUCLEOBASE CATION SYMPORTER 1 (NCS1)
100	AT3G26690	NUDIX HYDROLASE HOMOLOG 13 (NUDX13)
101	AT2G02710	PAS/LOV PROTEIN B (PLPB)

102	AT5G20380	PHOSPHATE TRANSPORTER 4;5 (PHT4;5)
103	AT4G32070	PHOX4 (Phox4)
104	AT1G06570	PHYTOENE DESATURATION 1 (PDS1)
105	AT3G17810	dihydropyrimidine dehydrogenase activity; PYRIMIDINE 1 (PYD1)
106	AT1G19510	RAD-like 5
107	AT5G13330	ethylene response factor subfamily transcription factor RELATED TO AP2 6L (Rap2.6L)
108	AT1G27760	SALT-TOLERANCE 32 (SAT32)
109	AT4G38860	SMALL AUXIN UPREGULATED RNA 16 (SAUR16)
110	AT5G54100	STOMATIN-LIKE PROTEIN 2 (SLP2)
111	AT5G20830	SUCROSE SYNTHASE 1 (SUS1)
112	AT1G08630	THREONINE ALDOLASE 1 (THA1)
113	AT4G24040	TREHALASE 1 (TRE1)
114	AT4G34138	UDP-glucosyl transferase 73B1
115	AT2G36750	UDP-glucosyl transferase 73C1
116	AT3G46670	UDP-glucosyl transferase 76E11
117	AT2G30140	UDP-GLUCOSYL TRANSFERASE 87A2 (UGT87A2)
118	AT4G34135	UDP-GLUCOSYLTRANSFERASE 73B2 (UGT73B2)
119	AT2G43820	UDP-GLUCOSYLTRANSFERASE 74F2 (UGT74F2)
120	AT5G58350	WITH NO LYSINE (K) KINASE 4 (WNK4)
121	AT1G32170	xyloglucan endotransglycosylase-related protein (XTR4)
122	AT3G23520	cyclopropane fatty acid synthase, putative / CPA-FA synthase, putative
123	AT1G75490	DRE-binding transcription factor, putative
124	AT2G16350	F-box family protein
125	AT1G23430	pyrrolidone-carboxylate peptidase family protein

Table S3 Genes expressed in response to 0.3 $\mu\text{mol m}^{-2} \text{s}^{-1}$ UV-B independently of UVR8 and stress signaling (at 2% FDR).