

Table S3. Enriched peaks and their associated genes identified by SPCH ChIP-Seq

1: For peak location, the first and second numbers indicate the chromosome number and the nucleotide position on the chromosome, respectively.

2: Category of gene structure: promoter (< 0.5 kb to TSS), distal promoter (0.5-3kb to TSS), 5'UTR, exon, intron, 3'UTR, downstream (1kb to TSS), or intergenic. TSS, transcription start site.

AGI	Gene symbol	Description	Peak location ¹	Peak score	Gene structure ²
AT1G80070	ABNORMAL SUSPENSOR 2 (SUS2)	a genetic locus	1_30129721	124.01	intergenic
AT1G80080	TOO MANY MOUTHS (TMM)	Encodes a trans	1_30129721	124.01	promoter
AT4G25610	na	C2H2-like zinc f	4_13069981	105.03	intergenic
AT4G25620	na	hydroxyproline-i	4_13069981	105.03	promoter
AT1G19670	CHLOROPHYLLASE 1 (CLH1)	Chlorophyllase i	1_6803197	82.46	intergenic
AT1G19680	na	RING/U-box suj	1_6803197	82.46	proximal promoter
AT1G19660	na	Wound-respons	1_6803197	82.46	proximal promoter
AT3G26744	INDUCER OF CBF EXPRESSION 1 (ICE1)	Encodes a MYC	3_9835078	81.19	five_prime_UTR
AT3G26742	na	unknown protei	3_9835078	81.19	intergenic
AT5G26160	na	unknown protei	5_9142944	69.37	five_prime_UTR
AT5G23860	TUBULIN BETA 8 (TUB8)	beta-tubulin, pre	5_8042044	60.83	proximal promoter
AT1G20657	na	Pseudogene of	1_7163767	57.72	proximal promoter
AT1G20670	na	DNA-binding br	1_7163767	57.72	intergenic
AT5G06710	HOMEODOMAIN FROM ARABIDOPSIS THAL	Homeobox-leuc	5_2074455	57.06	intergenic
AT1G25550	na	myb-like transcr	1_8975771	53.14	proximal promoter
AT1G25540	PHYTOCHROME AND FLOWERING TIME	Encodes a nucl	1_8975771	53.14	proximal promoter
AT5G53210	SPEECHLESS (SPCH)	Encodes a basi	5_21589130	53.01	promoter
AT3G15790	METHYL-CPG-BINDING DOMAIN 11 (MB	Protein containi	3_5342783	52.72	promoter
AT3G15780	na	unknown protei	3_5342783	52.72	downstream
AT2G34510	na	FUNCTIONS IN	2_14545598	51.78	intron
AT4G00480	(ATMYC1)	MYC-related pr	4_221016	51.1	proximal promoter
AT4G00490	BETA-AMYLASE 2 (BAM2)	Encodes a chlo	4_221016	51.1	proximal promoter
AT1G12840	DE-ETIOLATED 3 (DET3)	Encodes subun	1_4379555	50.7	intergenic
AT1G12845	na	unknown protei	1_4379555	50.7	promoter
AT1G12850	na	Phosphoglycer	1_4379555	50.7	downstream
AT5G01990	na	Auxin efflux can	5_379718	49.97	five_prime_UTR
AT5G02000	na	unknown protei	5_379718	49.97	intergenic
AT1G01040	DICER-LIKE 1 (DCL1)	Encodes a Dice	1_21171	49.8	proximal promoter
AT1G11840	GLYOXALASE 1 HOMOLOG (GLX1)	Encodes a glyo	1_3995144	49.79	promoter
AT1G11820	na	O-Glycosyl hyd	1_3995144	49.79	proximal promoter
AT2G02440	na	unknown protei	2_640895	49.36	intergenic
AT1G23710	na	Protein of unkn	1_8384902	48.43	promoter
AT1G10652	na	unknown protei	1_3527672	48.28	promoter
AT3G57550	GUANYLATE KINASE (AGK2)	guanylate kinas	3_21309941	47.88	intergenic
AT3G57560	N-ACETYL-L-GLUTAMATE KINASE (NAG	encodes a N-ac	3_21309941	47.88	intergenic
AT3G08680	na	Leucine-rich ref	3_2636889	46.79	proximal promoter
AT3G08670	na	unknown protei	3_2636889	46.79	downstream
AT1G06410	TREHALOSE-PHOSPHATASE/SYNTHAS	Encodes an enz	1_1953916	45.77	proximal promoter
AT2G23460	EXTRA-LARGE G-PROTEIN 1 (XLG1)	encodes a nove	2_9995300	44.53	promoter
AT1G12855	na	F-box family pr	1_4384491	43.14	intergenic
AT1G12860	SCREAM 2 (SCRM2)	Encodes ICE2 (	1_4384491	43.14	five_prime_UTR
AT1G19220	AUXIN RESPONSE FACTOR 19 (ARF19)	Encodes an aux	1_6627905	42.74	downstream
AT1G19210	na	encodes a mem	1_6627905	42.74	promoter
AT4G08949	na	This gene enc	4_5738933	42.07	downstream
AT4G18940	na	RNA ligase/cycl	4_10374879	42.05	intergenic
AT4G18950	na	Integrin-linked p	4_10374879	42.05	promoter
AT3G22760	(SOL1)	CXC domain co	3_8043179	41.52	proximal promoter
AT4G14770	TESMIN/TSO1-LIKE CXC 2 (TCX2)	TESMIN/TSO1-	4_8486311	41.52	proximal promoter
AT2G04880	ZINC-DEPENDENT ACTIVATOR PROTEI	Encodes WRKY	2_1717691	41.29	promoter
AT3G20820	na	Leucine-rich ref	3_7282625	40.84	intergenic
AT1G33930	na	P-loop containi	1_12324210	40.19	intron
AT5G60880	BREAKING OF ASYMMETRY IN THE STC	Encodes BASL	5_24489902	40.05	promoter
AT1G69010	BES1-INTERACTING MYC-LIKE PROTEI	BES1-interacti	1_25941517	39.71	promoter
AT1G69000	na	pre-tRNA; tRNA	1_25941517	39.71	intergenic
AT2G34500	CYTOCHROME P450, FAMILY 710, SUBF	Encodes a prot	2_14538726	39.69	intergenic
AT2G34490	CYTOCHROME P450, FAMILY 710, SUBF	Encodes a prot	2_14538726	39.69	proximal promoter
AT1G34245	EPIDERMAL PATTERNING FACTOR 2 (E	Encodes a secr	1_12472119	39.59	proximal promoter
AT1G54100	ALDEHYDE DEHYDROGENASE 7B4 (AL	Aldehyde dehyd	1_20199174	39.34	promoter
AT1G54110	na	Membrane fusic	1_20199174	39.34	promoter
AT3G20015	na	Eukaryotic aspa	3_6977786	38.54	intergenic
AT2G46360	na	unknown protei	2_19027906	38.13	proximal promoter
AT2G46340	SUPPRESSOR OF PHYA-105 1 (SPA1)	Encodes a mem	2_19027906	38.13	promoter
AT1G66160	CYS, MET, PRO, AND GLY PROTEIN 1 (C	CYS, MET, PRC	1_24637048	37.94	promoter
AT1G66170	MALE MEIOCYTE DEATH 1 (MMD1)	encodes a PHD	1_24637048	37.94	intergenic
AT5G07200	GIBBERELLIN 20-OXIDASE 3 (GA20OX3)	encodes a gibb	5_2241789	37.51	intergenic
AT1G72450	JASMONATE-ZIM-DOMAIN PROTEIN 6 (	JAZ6 transcript	1_27276767	37.17	promoter
AT1G80630	na	RNI-like superf	1_30310990	37	promoter
AT1G80640	na	Protein kinase s	1_30310990	37	proximal promoter
AT4G28250	EXPANSIN B3 (EXPB3)	putative beta-e	4_14004403	36.97	proximal promoter
AT4G28260	na	unknown protei	4_14004403	36.97	promoter
AT2G42770	na	Peroxisomal me	2_17800346	36.57	promoter
AT2G42780	na	FUNCTIONS IN	2_17800346	36.57	promoter
AT5G53150	na	DNAJ heat shoc	5_21558048	36.55	intergenic
AT5G53160	REGULATORY COMPONENTS OF ABA I	Encodes RCAR	5_21558048	36.55	proximal promoter
AT3G14750	na	unknown protei	3_4955876	36.2	promoter
AT3G14760	na	unknown protei	3_4955876	36.2	promoter
AT2G20560	na	DNAJ heat shoc	2_8852149	36.13	proximal promoter
AT2G20562	na	unknown protei	2_8852149	36.13	proximal promoter
AT1G13350	na	Protein kinase s	1_4577996	36.01	proximal promoter
AT1G13360	na	unknown protei	1_4577996	36.01	promoter
AT5G07280	EXCESS MICROSPOROCTES1 (EMS1)	Encodes EMS1	5_2284874	35.84	promoter
AT5G07270	XB3 ORTHOLOG 3 IN ARABIDOPSIS TH	XB3 ortholog 3	5_2284874	35.84	intergenic
AT2G46710	na	Rho GTPase ac	2_19190703	35.49	proximal promoter
AT5G01090	na	Concanavalin A	5_34473	35.48	downstream
AT5G01100	na	O-fucosyltransf	5_34473	35.48	downstream
AT3G06070	na	unknown protei	3_1833908	35.34	proximal promoter
AT3G06080	na	Encodes a mem	3_1833908	35.34	intergenic
AT5G47500	PECTIN METHYLESTERASE 5 (PME5)	predicted to enc	5_19273702	35.32	proximal promoter
AT5G14150	na	Protein of unkn	5_4564817	35.26	intergenic
AT2G40660	na	Nucleic acid-bin	2_16969979	35.21	intergenic

AT2G40670	RESPONSE REGULATOR 16 (RR16)	response regul	2_16969979	35.21	promoter
AT1G78070	na	Transducin/W	1_29359345	34.82	intergenic
AT1G68550	CYTOKININ RESPONSE FACTOR 10 (CF	encodes a mem	1_25730833	34.78	intergenic
AT1G76600	na	unknown protei	1_28745920	34.67	proximal promoter
AT5G53880	na	unknown protei	5_21875540	34.3	proximal promoter
AT2G45590	na	Protein kinase s	2_18786455	34.15	promoter
AT1G03600	(PSB27)	PSB27; FUNCT	1_898361	32.86	proximal promoter
AT1G03590	na	Protein phosph	1_898361	32.86	proximal promoter
AT1G03610	na	Protein of unkn	1_898361	32.86	proximal promoter
AT1G03620	na	ELMO/CED-12	1_898361	32.86	intergenic
AT5G54145	na	unknown protei	5_21969857	32.79	proximal promoter
AT4G29020	na	glycine-rich prot	4_14304181	32.69	proximal promoter
AT5G54530	na	Protein of unkn	5_22151104	32.67	proximal promoter
AT1G17420	LIPOXYGENASE 3 (LOX3)	LOX3 encode s	1_5979424	32.6	intron
AT5G60840	na	unknown protei	5_24476916	32.58	proximal promoter
AT5G23280	na	TCP family tran	5_7842204	32.45	proximal promoter
AT5G23270	SUGAR TRANSPORTER 11 (STP11)	sugar transport	5_7842204	32.45	intergenic
AT3G09720	na	P-loop containi	3_2983831	32.41	promoter
AT3G09730	na	unknown protei	3_2983831	32.41	promoter
AT2G24790	CONSTANS-LIKE 3 (COL3)	Positive regulat	2_10566726	32.18	promoter
AT2G24791	na	Pseudogene of	2_10566726	32.18	intergenic
AT3G06850	(BCE2)	dihydrolipoamid	3_2157780	32.06	downstream
AT3G06830	na	Plant invertase/	3_2157780	32.06	intergenic
AT3G06840	na	unknown protei	3_2157780	32.06	three_prime_UTR
AT2G45880	BETA-AMYLASE 7 (BAM7)	Encodes a beta	2_18882711	31.9	promoter
AT5G07180	ERECTA-LIKE 2 (ERL2)	Encodes a rece	5_2227599	31.76	three_prime_UTR
AT5G07170	na	Cell cycle regul	5_2227599	31.76	intergenic
AT1G69160	na	unknown protei	1_25999877	31.52	promoter
AT1G58270	(ZW9)	ZW9 mRNA, co	1_21614228	30.65	promoter
AT1G58265	na	Cytochrome P4:	1_21614228	30.65	intergenic
AT1G18740	na	FUNCTIONS IN	1_6463675	30.37	promoter
AT1G18745	na	na	1_6463675	30.37	intergenic
AT3G20390	na	endoribonuclea:	3_7111843	30.36	promoter
AT3G20395	na	RING/U-box su	3_7111843	30.36	downstream
AT5G57630	CBL-INTERACTING PROTEIN KINASE 21	CBL-interactin	5_23343384	30.29	promoter
AT5G57650	na	eukaryotic trans	5_23343384	30.29	intergenic
AT5G57655	na	xylose isomeras	5_23343384	30.29	intergenic
AT5G10890	na	myosin heavy c	5_3435312	30.21	promoter
AT5G10900	na	Calcineurin-like	5_3435312	30.21	intergenic
AT1G78690	(At1g78690p)	Encodes a lys	1_29599053	30.14	intergenic
AT1G78700	BES1/BZR1 HOMOLOG 4 (BEH4)	BES1/BZR1 hor	1_29599053	30.14	promoter
AT1G79630	na	Protein phosph	1_29966371	30.12	proximal promoter
AT1G79640	na	Protein kinase s	1_29966371	30.12	intergenic
AT4G25260	na	Plant invertase/	4_12936967	30.03	promoter
AT4G25270	ORGANELLE TRANSCRIPT PROCESSIN	Tetratricopeptid	4_12936967	30.03	intergenic
AT3G14070	CATION EXCHANGER 9 (CAX9)	Involved in cati	3_4660914	30.01	downstream
AT3G14060	na	unknown protei	3_4660914	30.01	intergenic
AT3G14067	na	Subtilase family	3_4660914	30.01	promoter
AT1G69890	na	CONTAINS Inte	1_26325083	30	promoter
AT1G69900	na	Actin cross-linki	1_26325083	30	intergenic
AT3G12920	BOI-RELATED GENE 3 (BRG3)	Encodes one of	3_4119586	29.62	intergenic
AT3G12930	na	Lojap-related pr	3_4119586	29.62	intergenic
AT2G21340	na	MATE efflux fan	2_9132537	29.51	promoter
AT5G46750	ARF-GAP DOMAIN 9 (AGD9)	A member of AF	5_18972545	29.46	proximal promoter
AT1G64670	BODYGUARD1 (BDG1)	Encodes a epid	1_24033544	29.34	five_prime_UTR
AT1G64680	na	unknown protei	1_24033544	29.34	proximal promoter
AT1G21010	na	unknown protei	1_7348694	29.15	intergenic
AT1G12420	ACT DOMAIN REPEAT 8 (ACR8)	ACT domain rep	1_4230143	28.97	proximal promoter
AT1G12423	na	unknown protei	1_4230143	28.97	intergenic
AT3G49220	na	Plant invertase/	3_18252453	28.96	intron
AT3G49670	BARELY ANY MERISTEM 2 (BAM2)	Encodes a CLA	3_18421572	28.88	intergenic
AT3G49680	BRANCHED-CHAIN AMINOTRANSFERA	Encodes a chl	3_18421572	28.88	proximal promoter
AT4G26700	FIMBRIN 1 (FIM1)	fimbrin-like prot	4_13463191	28.84	intron
AT5G42030	ABL INTERACTOR-LIKE PROTEIN 4 (ABI	ABL interactor-l	5_16813659	28.82	promoter
AT5G42050	na	DCD (Developn	5_16813659	28.82	proximal promoter
AT5G42053	na	This gene enc	5_16813659	28.82	intergenic
AT5G42060	na	DEK, chromatin	5_16813659	28.82	intergenic
AT5G42040	REGULATORY PARTICLE NON-ATPASE	regulatory partic	5_16813659	28.82	downstream
AT3G44610	na	Protein kinase s	3_16187049	28.76	intergenic
AT4G39400	BRASSINOSTEROID INSENSITIVE 1 (BR	Encodes a plasi	4_18328810	28.59	three_prime_UTR
AT4G39404	na	other RNA	4_18328810	28.59	intergenic
AT4G39403	POLARIS (PLS)	Encodes a 36 a	4_18328810	28.59	intergenic
AT5G62370	na	Tetratricopeptid	5_25046469	28.5	proximal promoter
AT5G53220	na	unknown protei	5_21593782	28.37	proximal promoter
AT1G79110	BOI-RELATED GENE 2 (BRG2)	Encodes one of	1_29756891	28.34	proximal promoter
AT3G15210	ETHYLENE RESPONSIVE ELEMENT BIN	Encodes a mem	3_5125515	27.91	intergenic
AT3G15200	na	Tetratricopeptid	3_5125515	27.91	intergenic
AT3G58850	PHY RAPIDLY REGULATED 2 (PAR2)	Encodes PHYTI	3_21761400	27.75	proximal promoter
AT5G59730	EXOCYST SUBUNIT EXO70 FAMILY PRC	A member of E	5_24064167	27.61	exon
AT5G59732	na	Potential natura	5_24064167	27.61	promoter
AT2G41930	na	Protein kinase s	2_17510289	27.61	intergenic
AT2G41945	na	unknown protei	2_17510289	27.61	intron
AT2G41940	ZINC FINGER PROTEIN 8 (ZFP8)	Encodes a zinc	2_17510289	27.61	intergenic
AT3G22886	MICRORNA167A (MIR167A)	Encodes a micr	3_8107804	27.54	promoter
AT4G01245	na	FUNCTIONS IN	4_526517	27.54	proximal promoter
AT1G21065	na	unknown protei	1_7375328	27.52	exon
AT1G21070	na	Nucleotide-suq	1_7375328	27.52	intergenic
AT1G21060	na	Protein of unkn	1_7375328	27.52	intergenic
AT1G74960	FATTY ACID BIOSYNTHESIS 1 (FAB1)	Encodes a plasi	1_28156977	27.51	proximal promoter
AT1G13930	na	Involved in resp	1_4760436	27.49	proximal promoter
AT1G13940	na	Plant protein of	1_4760436	27.49	intergenic
AT4G30240	na	Syntaxin/t-SNAI	4_14807480	27.44	intergenic
AT4G30230	na	unknown protei	4_14807480	27.44	downstream
AT1G48742	MICRORNA157D (MIR157D)	Encodes a micr	1_18028008	27.32	proximal promoter

AT1G12110	NITRATE TRANSPORTER 1.1 (NRT1.1)	Encodes NRT1.1_1_4107982	27.09	intron
AT1G26600	CLAVATA3/ESR-RELATED 9 (CLE9)	Member of a lar 1_9191493	26.95	promoter
AT3G57530	CALCIUM-DEPENDENT PROTEIN KINASE	Calcium-depend 3_21295466	26.7	intergenic
AT2G22330	CYTOCHROME P450, FAMILY 79, SUBF	Encodes a cyto 2_9487406	26.7	proximal promoter
AT3G53390	na	Transducin/WD 3_19791471	26.69	proximal promoter
AT3G53380	na	Concanavalin A 3_19791471	26.69	promoter
AT5G67180	TARGET OF EARLY ACTIVATION TAGG1	target of early a 5_26806490	26.66	proximal promoter
AT1G09470	na	unknown protei 1_3057087	26.58	intron
AT5G11550	na	ARM repeat sur 5_3708156	26.58	three_prime_UTR
AT5G11560	na	catalytic; FUN 5_3708156	26.58	intergenic
AT5G62230	ERECTA-LIKE 1 (ERL1)	Encodes a rece 5_24995786	26.57	promoter
AT1G75080	BRASSINAZOLE-RESISTANT 1 (BZR1)	Encodes a posi 1_28183994	26.54	proximal promoter
AT1G75060	na	unknown protei 1_28183994	26.54	promoter
AT1G75070	na	pre-tRNA; tRNA 1_28183994	26.54	proximal promoter
AT1G24405	na	unknown protei 1_8654674	26.51	proximal promoter
AT3G17120	na	unknown protei 3_5843850	26.4	intergenic
AT3G18080	B-S GLUCOSIDASE 44 (BGLU44)	B-S glucosidase 3_6190670	26.21	proximal promoter
AT1G66400	CALMODULIN LIKE 23 (CML23)	Encodes a calm 1_24770551	26.11	downstream
AT1G24265	na	Protein of unkn 1_8598686	26.02	proximal promoter
AT3G16860	COBRA-LIKE PROTEIN 8 PRECURSOR	COBRA-like prc 3_5763492	25.87	proximal promoter
AT3G16870	GATA TRANSCRIPTION FACTOR 17 (GATA17)	Encodes a merr 3_5763492	25.87	downstream
AT5G65280	GCR2-LIKE 1 (GCL1)	Encodes a prote 5_26088953	25.74	proximal promoter
AT5G60680	na	Protein of unkn 5_24384407	25.72	proximal promoter
AT1G64390	GLYCOSYL HYDROLASE 9C2 (GH9C2)	glycosyl hydrola 1_23912783	25.71	intron
AT4G28770	na	Tetraspanin farr 4_14213922	25.66	intron
AT3G47295	na	unknown protei 3_17427907	25.65	promoter
AT3G29105	na	pseudogene, nc 3_11081140	25.65	intron
AT3G47300	SELT-LIKE PROTEIN PRECURSOR (SELT)	SELT-like protei 3_17427907	25.65	intergenic
AT3G12965	na	Unknown gene 3_4138372	25.59	proximal promoter
AT3G28070	na	nodulin MIN21-1 3_10449152	25.58	intron
AT1G32690	na	unknown protei 1_11821872	25.28	promoter
AT1G70090	GLUCOSYL TRANSFERASE FAMILY 8 (LGT8)	Encodes a prote 1_26400580	25.24	promoter
AT1G70100	na	unknown protei 1_26400580	25.24	proximal promoter
AT5G07300	BONZAI 2 (BON2)	Encodes a copii 5_2299751	25.23	promoter
AT5G07290	MEI2-LIKE 4 (ML4)	AML4 A membe 5_2299751	25.23	intergenic
AT1G05240	na	Peroxidase sup 1_1520063	25.05	proximal promoter
AT3G21700	(SGP2)	Monomeric G pi 3_7642912	25.02	proximal promoter
AT3G21690	na	MATE efflux fan 3_7642912	25.02	intergenic
AT1G68560	ALPHA-XYLOSIDASE 1 (XYL1)	Encodes a bifur 1_25741117	24.93	intergenic
AT4G03010	na	RNI-like super 4_1329430	24.91	proximal promoter
AT4G03020	na	transducin famil 4_1329430	24.91	intergenic
AT1G73750	na	Uncharacterise 1_27739100	24.87	downstream
AT1G73760	na	RING/U-box suj 1_27739100	24.87	downstream
AT2G01850	ENDOXYLOGLUCAN TRANSFERASE A3	EXGT-A3 has h 2_383635	24.7	proximal promoter
AT1G78250	na	pre-tRNA; tRNA 1_29443582	24.67	intergenic
AT4G23750	CYTOKININ RESPONSE FACTOR 2 (CRF2)	encodes a mem 4_12379801	24.62	intergenic
AT4G23760	na	Cox19-like CHC 4_12379801	24.62	proximal promoter
AT2G18876	na	Afadin/alpha-ac 2_8169433	24.61	promoter
AT5G16350	na	O-acyltransfera 5_5352399	24.57	promoter
AT2G02450	LONG VEGETATIVE PHASE 1 (LOV1)	NAC domain co 2_649194	24.55	intron
AT5G03040	IQ-DOMAIN 2 (iqd2)	IQ-domain 2 (iqi 5_712802	24.49	intron
AT1G73150	GLOBAL TRANSCRIPTION FACTOR GR1	Bromodomain a 1_27506247	24.09	promoter
AT3G47620	TEOSINTE BRANCHED, CYCLOIDEA AN	Encodes a trans 3_17558100	24.06	proximal promoter
AT4G18020	(APRR2)	Encodes pseud 4_10003514	23.98	three_prime_UTR
AT3G10720	na	Plant invertase/ 3_3356218	23.85	intron
AT1G19570	DEHYDROASCORBATE REDUCTASE (DHA)	Encodes a merr 1_6774597	23.84	promoter
AT1G19580	GAMMA CARBONIC ANHYDRASE 1 (GCA)	Encodes mitoch 1_6774597	23.84	promoter
AT4G38860	na	SAUR-like auxi 4_18125804	23.8	intergenic
AT4G38840	na	SAUR-like auxi 4_18125804	23.8	promoter
AT4G38850	SMALL AUXIN UPREGULATED 15 (SAUR15)	mRNA is rapidl 4_18125804	23.8	promoter
AT3G22104	na	Phototropic-res 3_7790107	23.71	intron
AT5G10960	na	Polynucleotidyl 5_3464049	23.64	promoter
AT1G18710	MYB DOMAIN PROTEIN 47 (MYB47)	Member of the f 1_6446303	23.61	intergenic
AT3G55290	na	NAD(P)-binding 3_20501880	23.6	proximal promoter
AT3G55280	RIBOSOMAL PROTEIN L23AB (RPL23AB)	60S ribosomal r 3_20501880	23.6	downstream
AT4G12270	na	Copper amine c 4_7298840	23.57	exon
AT5G65130	na	encodes a mem 5_26018834	23.57	intergenic
AT2G42880	MAP KINASE 20 (MPK20)	member of MAF 2_17836466	23.48	intergenic
AT5G21940	na	unknown protei 5_7252106	23.48	proximal promoter
AT5G21930	P-TYPE ATPASE OF ARABIDOPSIS 2 (P-ATP2)	P-Type ATPase 5_7252106	23.48	intergenic
AT2G42870	PHY RAPIDLY REGULATED 1 (PAR1)	Encodes PHYTI 2_17836466	23.48	three_prime_UTR
AT3G06500	ALKALINE/NEUTRAL INVERTASE C (A/NIC)	Plant neutral inv 3_2011631	23.46	promoter
AT3G48790	na	Pyridoxal phosph 3_18092380	23.38	proximal promoter
AT3G48780	SERINE PALMITOYLTRANSFERASE 1 (SPT1)	Encodes one of 3_18092380	23.38	three_prime_UTR
AT4G03270	CYCLIN D6;1 (CYCD6;1)	Cyclin D6;1 (CY 4_1431871	23.35	intergenic
AT5G08139	na	RING/U-box suj 5_2614836	23.35	proximal promoter
AT4G03260	na	Outer arm dyne 4_1431871	23.35	downstream
AT3G25760	ALLENE OXIDE CYCLASE 1 (AOC1)	encodes allene 3_9403681	23.26	promoter
AT2G42380	(BZIP34)	Encodes a merr 2_17646264	23.25	intergenic
AT2G42365	na	Potential natura 2_17646264	23.25	promoter
AT2G42370	na	unknown protei 2_17646264	23.25	intergenic
AT1G53050	na	Protein kinase s 1_19776858	23.18	intergenic
AT1G53060	na	Legume lectin fr 1_19776858	23.18	downstream
AT1G19610	(PDF1.4)	Predicted to enc 1_6782771	23.1	proximal promoter
AT2G28910	CAX INTERACTING PROTEIN 4 (CXIP4)	Encodes a CAX 2_12418352	23.1	proximal promoter
AT2G28920	na	RING/U-box suj 2_12418352	23.1	exon
AT3G61540	na	alpha/beta-Hydr 3_22776282	22.99	intergenic
AT3G61545	na	pre-tRNA; tRNA 3_22776282	22.99	intergenic
AT3G61550	na	RING/U-box suj 3_22776282	22.99	promoter
AT3G61560	na	Reticulon family 3_22776282	22.99	proximal promoter
AT1G21590	na	Protein kinase r 1_7570992	22.85	proximal promoter
AT1G21600	PLASTID TRANSCRIPTIONALLY ACTIVE	Present in trans 1_7570992	22.85	intron
AT2G19180	na	unknown protei 2_8324018	22.8	proximal promoter
AT3G47790	ATP-BINDING CASSETTE A8 (ABCA8)	member of ATH 3_17634472	22.78	intergenic

AT5G11530	EMBRYONIC FLOWER 1 (EMF1)	Involved in regu	5_3695219	22.78	proximal promoter
AT3G47800	na	Galactose muta	3_17634472	22.78	promoter
AT1G02180	na	ferredoxin-relat	1_414826	22.75	promoter
AT1G02190	na	Fatty acid hydr	1_414826	22.75	promoter
AT5G40340	na	Tudor/PWWP/N	5_16135294	22.72	promoter
AT1G70530	CYSTEINE-RICH RLK (RECEPTOR-LIKE)	Encodes a cyst	1_26592801	22.66	proximal promoter
AT1G70540	EMBRYO SAC DEVELOPMENT ARREST	embryo sac dev	1_26592801	22.66	proximal promoter
AT1G27300	na	unknown protei	1_9481305	22.56	proximal promoter
AT1G27285	na	transposable el	1_9481305	22.56	intergenic
AT1G27290	na	unknown protei	1_9481305	22.56	promoter
AT3G14050	RELA/SPOT HOMOLOG 2 (RSH2)	RELA/SPOT ho	3_4655852	22.52	proximal promoter
AT5G45480	na	Protein of unkn	5_18429840	22.5	proximal promoter
AT5G45490	na	P-loop contain	5_18429840	22.5	intron
AT2G34160	na	Alba DNA/RNA-	2_14427646	22.48	intergenic
AT5G47370	(HAT2)	homeobox-leuci	5_19218876	22.44	proximal promoter
AT2G36040	na	transposable el	2_15132084	22.4	proximal promoter
AT1G35610	na	Cysteine/Histid	1_13140441	22.38	intergenic
AT5G62000	AUXIN RESPONSE FACTOR 2 (ARF2)	Encodes an aux	5_24906273	22.35	intergenic
AT5G61997	na	This gene encod	5_24906273	22.35	intergenic
AT1G56220	na	Dormancy/auxin	1_21043145	22.28	promoter
AT4G03400	DWARF IN LIGHT 2 (DFL2)	Encodes a GH3	4_1500047	22.27	promoter
AT5G41810	na	unknown protei	5_16739911	22.27	intergenic
AT5G41820	RAB GERANYLGERANYL TRANSFERAS	RAB geranylger	5_16739911	22.27	proximal promoter
AT2G36480	na	ENTH/VHS fam	2_15302469	22.21	downstream
AT2G36470	na	Plant protein of	2_15302469	22.21	proximal promoter
AT3G52450	PLANT U-BOX 22 (PUB22)	Encodes a cyto	3_19440701	22.21	downstream
AT3G05320	na	O-fucosyltransf	3_1516562	21.94	proximal promoter
AT3G05327	na	Cyclin family pr	3_1516562	21.94	intergenic
AT2G25460	na	CONTAINS Inte	2_10836245	21.91	proximal promoter
AT1G75820	CLAVATA 1 (CLV1)	Putative recept	1_28467556	21.88	proximal promoter
AT1G74930	(ORA47)	encodes a mem	1_28143985	21.84	promoter
AT3G24050	GATA TRANSCRIPTION FACTOR 1 (GAT1)	Encodes a mem	3_8686527	21.84	intron
AT1G74929	na	unknown protei	1_28143985	21.84	downstream
AT1G74940	na	Protein of unkn	1_28143985	21.84	proximal promoter
AT5G52120	PHLOEM PROTEIN 2-A14 (PP2-A14)	phloem protein	: 5_21181724	21.84	proximal promoter
AT5G41310	na	P-loop nucleos	5_16524524	21.83	proximal promoter
AT1G29630	na	5'-3' exonuclea	1_10353971	21.73	intergenic
AT1G29640	na	Protein of unkn	1_10353971	21.73	intergenic
AT5G13730	SIGMA FACTOR 4 (SIG4)	Encodes sigma	5_4431199	21.66	promoter
AT5G13740	ZINC INDUCED FACILITATOR 1 (ZIF1)	Encodes ZIF1	(5_4431199	21.66	proximal promoter
AT4G23870	na	unknown protei	4_12412268	21.5	proximal promoter
AT2G46520	na	cellular apopto	2_19095855	21.47	proximal promoter
AT1G64405	na	unknown protei	1_23923232	21.43	promoter
AT1G64710	na	GroES-like zinc	1_24043554	21.42	proximal promoter
AT4G30180	na	sequence-speci	4_14768433	21.42	proximal promoter
AT1G68500	na	unknown protei	1_25703222	21.4	intergenic
AT5G13240	na	transcription re	5_4227823	21.39	promoter
AT3G20320	ATP-BINDING CASSETTE 115 (ABC115)	Encodes a perr	3_7087431	21.38	downstream
AT3G20310	ETHYLENE RESPONSE FACTOR 7 (ERF7)	Encodes a mem	3_7087431	21.38	proximal promoter
AT2G39865	na	unknown protei	2_16642545	21.36	proximal promoter
AT2G39870	na	unknown protei	2_16642545	21.36	proximal promoter
AT5G04770	CATIONIC AMINO ACID TRANSPORTER	Encodes a mem	5_1380833	21.35	intron
AT5G04780	na	Pentatricopept	5_1380833	21.35	intergenic
AT3G15350	na	Core-2/1-branch	3_5165439	21.31	proximal promoter
AT1G08210	na	Eukaryotic aspa	1_2576798	21.26	downstream
AT1G08200	UDP-D-APIOSE/UDP-D-XYLOSE SYNTH	Encodes a puta	1_2576798	21.26	promoter
AT5G59730	EXOCYST SUBUNIT EXO70 FAMILY PRC A	member of E)	5_24067841	21.25	proximal promoter
AT4G17250	na	unknown protei	4_9669192	21.23	proximal promoter
AT4G17240	na	unknown protei	4_9669192	21.23	proximal promoter
AT4G17245	na	RING/U-box su	4_9669192	21.23	promoter
AT5G03370	na	acylphosphatas	5_828817	21.19	proximal promoter
AT3G06740	GATA TRANSCRIPTION FACTOR 15 (GAT15)	Encodes a mem	3_2127785	21.17	intergenic
AT5G45800	MATERNAL EFFECT EMBRYO ARREST	maternal effect	: 5_18577116	21.17	intron
AT3G06750	na	hydroxyproline-	3_2127785	21.17	intergenic
AT3G06760	na	Drought-respon	3_2127785	21.17	intergenic
AT3G44610	na	Protein kinase	s 3_16190467	21.15	intron
AT1G52855	na	unknown protei	1_19684013	21.08	proximal promoter
AT1G52860	na	pre-tRNA; tRNA	1_19684013	21.08	intergenic
AT1G52870	na	Peroxisomal me	1_19684013	21.08	proximal promoter
AT3G50620	na	P-loop contain	3_18784581	21.05	downstream
AT1G12430	ARMADILLO REPEAT KINESIN 3 (ARK3)	Encodes the kir	1_4238860	21.04	promoter
AT4G35930	F-BOX STRESS INDUCED 4 (FBS4)	F-box family pr	4_17018281	21.02	proximal promoter
AT4G00810	na	60S acidic ribo	s 4_347448	21	promoter
AT4G38900	na	Basic-leucine	zi 4_18142087	20.99	promoter
AT4G03205	(hemf2)	hemf2; FUNCTI	4_1415642	20.96	intergenic
AT4G03210	XYLOGLUCAN ENDOTRANSGLUCOSYL	encodes a mem	4_1415642	20.96	promoter
AT3G46100	HISTIDYL-TRNA SYNTHETASE 1 (HRS1)	histidyl-tRNA	sy 3_16933212	20.93	proximal promoter
AT3G46110	na	LOCATED IN:	p 3_16933212	20.93	exon
AT1G32920	na	unknown protei	1_11927935	20.9	proximal promoter
AT1G68670	na	myb-like transcr	1_25781274	20.73	proximal promoter
AT1G20490	na	AMP-dependen	1_7099928	20.71	promoter
AT5G57660	CONSTANS-LIKE 5 (COL5)	CONSTANS-like	5_23359534	20.68	intergenic
AT5G25210	na	unknown protei	5_8725017	20.67	intron
AT2G45685	na	Potential natura	2_18820553	20.61	promoter
AT5G47640	NUCLEAR FACTOR Y, SUBUNIT B2 (NF-YB2)	nuclear factor	Y 5_19308797	20.61	promoter
AT2G45690	SHRUNKEN SEED 1 (SSE1)	Encodes a prote	2_18820553	20.61	intergenic
AT2G45680	TCP DOMAIN PROTEIN 9 (TCP9)	TCP family tran	2_18820553	20.61	three_prime_UTR
AT3G06120	MUTE (MUTE)	Encodes a basi	3_1846311	20.6	promoter
AT4G35837	na	This gene encod	4_16983241	20.6	proximal promoter
AT4G35840	na	RING/U-box su	4_16983241	20.6	intergenic
AT4G35850	na	Pentatricopept	4_16983241	20.6	promoter
AT3G17998	CONSERVED PEPTIDE UPSTREAM OPEN READING FRAME 1 (CUP1)	Upstream open	3_6158600	20.59	intergenic
AT3G18000	XIPOTL 1 (XPL1)	Arabidopsis thal	3_6158600	20.59	intergenic
AT2G43330	INOSITOL TRANSPORTER 1 (INT1)	Encodes a tono	2_18005027	20.58	intergenic

AT2G43340	na	Protein of unknct_2_18005027	20.58	proximal promoter
AT3G54400	na	Eukaryotic aspa_3_20143201	20.57	proximal promoter
AT3G52190	PHOSPHATE TRANSPORTER TRAFFIC	Encodes a plan_3_19353669	20.54	intergenic
AT3G52180	STARCH-EXCESS 4 (SEX4)	Encodes a plan_3_19353669	20.54	promoter
AT2G45400	(BEN1)	involved in the r_2_18706339	20.51	promoter
AT3G14205	na	Phosphoinositid_3_4723879	20.5	proximal promoter
AT1G62430	CDP-DIACYLGLYCEROL SYNTHASE 1 (	Encodes a CDF_1_23105385	20.48	intergenic
AT3G17860	JASMONATE-ZIM-DOMAIN PROTEIN 3 (	JAZs are direct_3_6119584	20.48	promoter
AT1G62420	na	Protein of unknct_1_23105385	20.48	proximal promoter
AT3G19590	BUB (BUDDING UNINHIBITED BY BENZ)	Encodes a prot_3_6804799	20.41	proximal promoter
AT3G19580	ZINC-FINGER PROTEIN 2 (ZF2)	Encodes zinc fir_3_6804799	20.41	proximal promoter
AT1G29395	COLD REGULATED 314 INNER MEMBR/	Integral membr_1_10289670	20.31	promoter
AT1G29400	MEI2-LIKE PROTEIN 5 (ML5)	A member of mr_1_10289670	20.31	intergenic
AT5G39860	PACLOBUTRAZOL RESISTANCE1 (PRE	Encodes PRE1_5_15957350	20.3	promoter
AT5G26270	na	unknown proteir_5_9208290	20.2	downstream
AT5G26280	na	TRAF-like famil_5_9208290	20.2	promoter
AT3G49900	na	Phototropic-res_3_18502818	20.2	promoter
AT5G04830	na	Nuclear transp_5_1401433	20.15	intergenic
AT5G04820	OVATE FAMILY PROTEIN 13 (OPF13)	ovate family pro_5_1401433	20.15	intergenic
AT5G19690	STAUROSPORIN AND TEMPERATURE	Encodes an olig_5_6652512	20.15	promoter
AT5G51560	na	Leucine-rich ref_5_20943443	20.12	proximal promoter
AT5G07580	na	encodes a mem_5_2399460	20.09	promoter
AT1G13950	EUKARYOTIC ELONGATION FACTOR 5/	Encodes eukary_1_4772861	20.08	proximal promoter
AT5G11740	ARABINOGALACTAN PROTEIN 15 (AGP	Encodes arabin_5_3784012	20.05	promoter
AT1G15570	CYCLIN A2;3 (CYCA2;3)	A2-type cyclin_1_5360627	20.05	proximal promoter
AT2G46420	na	Plant protein_15_2_19052291	20.04	proximal promoter
AT1G33590	na	Leucine-rich ref_1_12177655	19.96	promoter
AT1G33600	na	Leucine-rich ref_1_12177655	19.96	intergenic
AT1G55330	ARABINOGALACTAN PROTEIN 21 (AGP	Encodes a puta_1_20648208	19.88	intergenic
AT1G55325	GRAND CENTRAL (GCT)	Encodes the Ar_1_20648208	19.88	intron
AT5G53510	OLIGOPEPTIDE TRANSPORTER 9 (OPT	oligopeptide trai_5_21737353	19.86	proximal promoter
AT1G76380	na	DNA-binding br_1_28654702	19.81	promoter
AT5G16567	na	This gene encod_5_5420057	19.78	intergenic
AT4G27450	na	Aluminium induc_4_13729297	19.74	promoter
AT5G05410	DRE-BINDING PROTEIN 2A (DREB2A)	Encodes a trans_5_1601439	19.73	proximal promoter
AT5G05420	na	FKBP-like pepti_5_1601439	19.73	intergenic
AT2G23760	BEL1-LIKE HOMEODOMAIN 4 (BLH4)	Encodes a mem_2_10115649	19.72	proximal promoter
AT1G05630	INOSITOL-POLYPHOSPHATE 5-PHOSPH	Encodes an ino_1_1681776	19.69	proximal promoter
AT5G61970	na	signal recogniti_5_24887160	19.69	proximal promoter
AT1G05620	URIDINE-RIBOHYDROLASE 2 (URH2)	Encodes a cyto_1_1681776	19.69	downstream
AT2G36026	na	Ovate family prc_2_15128095	19.66	intergenic
AT2G36030	na	unknown proteir_2_15128095	19.66	promoter
AT1G63850	na	BTB/POZ doma_1_23696775	19.64	promoter
AT4G01060	CAPRICE-LIKE MYB3 (CPL3)	Encodes a Myb_4_460274	19.52	promoter
AT3G63440	CYTOKININ OXIDASE/DEHYDROGENAS	This gene used_3_23426945	19.44	intergenic
AT3G63445	na	Potential natura_3_23426945	19.44	proximal promoter
AT3G63450	na	RNA-binding (R_3_23426945	19.44	three_prime_UTR
AT3G12200	NIMA-RELATED KINASE 7 (Nek7)	Encodes AtNek_3_3888544	19.42	exon
AT4G19170	NINE-CIS-EPOXYCAROTENOID DIOXYG	chloroplast-targ_4_10484438	19.41	intergenic
AT1G20823	na	RING/U-box su_1_7239307	19.33	exon
AT3G46450	na	SEC14 cytosoli_3_17095708	19.33	promoter
AT3G46460	UBIQUITIN-CONJUGATING ENZYME 13	ubiquitin-conjug_3_17095708	19.33	downstream
AT1G16370	ORGANIC CATION/CARNITINE TRANSP	organic cation/c_1_5596553	19.3	promoter
AT3G13450	DARK INDUCIBLE 4 (DIN4)	branched chain_3_4384489	19.29	promoter
AT3G13460	EVOLUTIONARILY CONSERVED C-TERM	Physically inter_3_4384489	19.29	downstream
AT1G16500	na	unknown proteir_1_5638356	19.25	proximal promoter
AT2G26100	na	Galactosyltrans_2_11118357	19.2	promoter
AT1G07890	ASCORBATE PEROXIDASE 1 (APX1)	Encodes a cyto_1_2437107	19.19	promoter
AT1G07885	na	unknown proteir_1_2437107	19.19	promoter
AT5G02580	na	Plant protein_15_5_579254	19.18	proximal promoter
AT3G13750	BETA GALACTOSIDASE 1 (BGAL1)	beta-galactosid_3_4510402	19.17	proximal promoter
AT1G70210	CYCLIN D1;1 (CYCD1;1)	Encodes a D-ty_1_26442410	19.17	three_prime_UTR
AT1G18670	IMPAIRED IN BABA-INDUCED STERILIT	Encodes a cycli_1_6431532	19.13	proximal promoter
AT1G18680	na	HNH endonucle_1_6431532	19.13	intergenic
AT4G00730	ANTHOCYANINLESS 2 (ANL2)	Encodes a hom_4_299268	19.09	downstream
AT2G31080	na	transposable elk_2_13231325	19.09	intergenic
AT5G60850	OBF BINDING PROTEIN 4 (OBP4)	Encodes a zinc_5_24482527	19.09	intergenic
AT5G60860	RAB GTPASE HOMOLOG A1F (RABA1f)	RAB GTPase ho_5_24482527	19.09	proximal promoter
AT4G00720	SHAGGY-LIKE PROTEIN KINASE 32 (SK	Encodes ASKth_4_299268	19.09	proximal promoter
AT1G12451	na	unknown proteir_1_4247123	19.08	proximal promoter
AT1G12460	na	Leucine-rich ref_1_4247123	19.08	promoter
AT1G07630	POL-LIKE 5 (PLL5)	Encodes a prote_1_2351723	19.01	downstream
AT1G71720	PIGMENT DEFECTIVE 338 (PDE338)	Nucleic acid-bin_1_26983526	19	promoter
AT1G56140	na	Leucine-rich ref_1_21007982	18.98	promoter
AT1G56145	na	Leucine-rich ref_1_21007982	18.98	downstream
AT2G21380	na	Kinesin motor fe_2_9140823	18.96	proximal promoter
AT2G21370	XYLULOSE KINASE-1 (XK-1)	Although this ge_2_9140823	18.96	proximal promoter
AT3G12300	(BUG22)	unknown proteir_3_3923475	18.93	promoter
AT3G12320	na	unknown proteir_3_3923475	18.93	promoter
AT1G80700	na	unknown proteir_1_30331759	18.87	promoter
AT1G27370	SQUAMOSA PROMOTER BINDING PRO	In conjunction w_1_9507671	18.84	five_prime_UTR
AT5G14950	GOLGI ALPHA-MANNOSIDASE II (GMII)	Encodes a golg_5_4841169	18.81	intron
AT1G01580	FERRIC REDUCTION OXIDASE 2 (FRO2	Encodes the lov_1_206958	18.78	proximal promoter
AT4G36220	FERULIC ACID 5-HYDROXYLASE 1 (FAH	encodes ferulat_4_17137647	18.78	exon
AT3G04290	LI-TOLERANT LIPASE 1 (LTL1)	Li-tolerant lipas_3_1135649	18.78	intron
AT1G01570	na	FUNCTIONS IN_1_206958	18.78	exon
AT5G57700	na	BNR/Asp-box re_5_23379053	18.72	intergenic
AT1G12320	na	Protein of unknct_1_4192387	18.71	intergenic
AT1G12330	na	unknown proteir_1_4192387	18.71	proximal promoter
AT3G60220	TOXICOS EN LEVADURA 4 (ATL4)	Encodes a puta_3_22257260	18.71	proximal promoter
AT5G63530	FARNESYLATED PROTEIN 3 (FP3)	Farnesylated pr_5_25437058	18.7	intergenic
AT2G26560	PHOSPHOLIPASE A 2A (PLA2A)	Encodes a lipid_2_11295959	18.68	promoter
AT5G41070	DSRNA-BINDING PROTEIN 5 (DRB5)	Encodes a dout_5_16440205	18.64	downstream
AT5G41080	GLYCEROPHOSPHODIESTER PHOSPH	Encodes a merr_5_16440205	18.64	proximal promoter

AT3G51140	na	Protein of unknc 3_18999651	18.64	three_prime_UTR
AT3G51150	na	ATP binding mic 3_18999651	18.64	proximal promoter
AT5G41071	na	This gene encod 5_16440205	18.64	exon
AT2G35930	PLANT U-BOX 23 (PUB23)	Encodes a cyto 2_15084762	18.64	promoter
AT1G30350	na	Pectin lyase-like 1_10713642	18.63	proximal promoter
AT5G54630	na	zinc finger prote 5_22195726	18.58	proximal promoter
AT5G54640	RESISTANT TO AGROBACTERIUM TRAI	Isolated from T- 5_22195726	18.58	proximal promoter
AT4G00400	GLYCEROL-3-PHOSPHATE ACYLTRANS	Involved in cutir 4_175763	18.57	intron
AT4G00413	na	pseudogene, sir 4_175763	18.57	intergenic
AT1G68400	na	leucine-rich rep 1_25649859	18.55	proximal promoter
AT1G68410	na	Protein phosph 1_25649859	18.55	downstream
AT5G47050	na	SBP (S-ribonuc 5_19106330	18.51	promoter
AT1G71040	LOW PHOSPHATE ROOT2 (LPR2)	Encodes LPR2. 1_26796482	18.5	intergenic
AT1G71030	MYB-LIKE 2 (MYBL2)	Encodes a puta 1_26796482	18.5	promoter
AT5G01712	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 5_266777	18.47	proximal promoter
AT3G26530	na	transposable el 3_9737590	18.47	proximal promoter
AT5G01720	na	RNI-like superfe 5_266777	18.47	three_prime_UTR
AT5G01710	na	methyltransfera 5_266777	18.47	proximal promoter
AT5G01715	na	pseudogene, ar 5_266777	18.47	promoter
AT1G22640	MYB DOMAIN PROTEIN 3 (MYB3)	MYB-type trans 1_8010800	18.46	intergenic
AT4G15236	ATP-BINDING CASSETTE G43 (ABCG43)	ABC-2 and Plar 4_8695618	18.45	proximal promoter
AT1G78410	na	VQ motif-contai 1_29501814	18.45	proximal promoter
AT1G20650	ALTERED SEED GERMINATION 5 (ASG)	Protein kinase s 1_7160792	18.43	promoter
AT3G14000	(ATBRXL2)	Belongs to five- 3_4634766	18.42	proximal promoter
AT1G61740	na	Sulfite exporter 1_22799452	18.35	intron
AT5G66310	na	ATP binding mic 5_26492411	18.35	proximal promoter
AT1G79370	CYTOCHROME P450, FAMILY 79, SUBF	member of CYP 1_29857266	18.33	proximal promoter
AT3G07370	CARBOXYL TERMINUS OF HSC70-INTE	Encodes AtCHL1 3_2357314	18.29	intergenic
AT3G07360	PLANT U-BOX 9 (PUB9)	Encodes a prote 3_2357314	18.29	intergenic
AT5G02021	na	This gene encod 5_388960	18.26	promoter
AT5G02025	na	pre-tRNA; tRNA 5_388960	18.26	intergenic
AT5G02010	RHO GUANYL-NUCLEOTIDE EXCHANGI	Encodes a merr 5_388960	18.26	intergenic
AT5G02020	SALT INDUCED SERINE RICH (SIS)	Encodes a prote 5_388960	18.26	proximal promoter
AT3G60130	BETA GLUCOSIDASE 16 (BGLU16)	beta glucosidas 3_22209297	18.25	proximal promoter
AT3G48980	na	CONTAINS Inte 3_18155830	18.23	intron
AT2G43910	HARMLESS TO OZONE LAYER 1 (HOL1)	HARMLESS TC 2_18188078	18.22	proximal promoter
AT2G43920	HARMLESS TO OZONE LAYER 2 (HOL2)	HARMLESS TC 2_18188078	18.22	intergenic
AT4G28290	na	unknown proteir 4_14013051	18.22	promoter
AT4G28300	na	Encodes a prote 4_14013051	18.22	proximal promoter
AT1G61910	na	pre-tRNA; tRNA 1_22885862	18.2	proximal promoter
AT1G61900	na	unknown proteir 1_22885862	18.2	proximal promoter
AT4G34170	na	Galactose oxid 4_16364642	18.2	intergenic
AT4G25630	FIBRILLARIN 2 (FIB2)	encodes a fibrill 4_13073216	18.19	proximal promoter
AT4G30340	DIACYLGLYCEROL KINASE 7 (DGK7)	encodes a diacy 4_14841500	18.18	promoter
AT2G18260	SYNTAXIN OF PLANTS 112 (SYP112)	member of SYP 2_7943894	18.17	intergenic
AT4G16144	ASSOCIATED MOLECULE WITH THE SH	Encodes AMSH 4_9142585	18.13	proximal promoter
AT4G16146	na	cAMP-regulatec 4_9142585	18.13	three_prime_UTR
AT2G48030	na	DNAse I-like su 2_19649083	18.13	intron
AT1G68020	(ATTPS6)	Encodes an enz 1_25496759	18.11	proximal promoter
AT2G03660	na	pre-tRNA; tRNA 2_1112428	18.11	intergenic
AT5G50090	na	unknown proteir 5_20369814	18.1	promoter
AT2G28160	FER-LIKE REGULATOR OF IRON UPTAK	Encodes a puta 2_12002529	18.09	proximal promoter
AT2G28150	na	FUNCTIONS IN 2_12002529	18.09	downstream
AT5G65660	na	hydroxyproline- 5_26248106	18.07	proximal promoter
AT1G20010	TUBULIN BETA-5 CHAIN (TUB5)	beta tubulin 1_6939525	18.06	intron
AT3G53550	na	FBD-like domai 3_19855650	18.05	proximal promoter
AT1G66760	na	MATE efflux fan 1_24898774	18.01	intergenic
AT4G00370	(ANTR2)	Encodes an ino 4_163602	18	intron
AT4G18710	BRASSINOSTEROID-INSENSITIVE 2 (BIN	ATSK (shaggy-I 4_10296229	18	promoter
AT4G00360	CYTOCHROME P450, FAMILY 86, SUBF	Encodes a merr 4_163602	18	intergenic
AT4G37740	GROWTH-REGULATING FACTOR 2 (GR	Growth regulatr 4_17728573	18	proximal promoter
AT1G12020	na	unknown proteir 1_4062482	18	three_prime_UTR
AT2G28070	ATP-BINDING CASSETTE G3 (ABCG3)	ABC-2 type tran 2_11955030	17.97	proximal promoter
AT1G35510	na	O-fucosyltransf 1_13071197	17.93	five_prime_UTR
AT4G14050	na	Pentatricopeptic 4_8103467	17.89	downstream
AT4G14040	SELENIUM-BINDING PROTEIN 2 (SBP2)	selenium-bindin 4_8103467	17.89	proximal promoter
AT5G47380	na	Protein of unknc 5_19224871	17.83	promoter
AT2G46225	ABI-1-LIKE 1 (ABIL1)	Encodes a sub 2_18981492	17.82	promoter
AT2G46220	na	Uncharacterize 2_18981492	17.82	intergenic
AT2G46210	SPHINGOID LCB DESATURASE 2 (SLD2)	Fatty acid/sphin 2_18981492	17.82	intergenic
AT1G75800	na	Pathogenesis-rr 1_28461421	17.81	intergenic
AT1G75810	na	unknown proteir 1_28461421	17.81	promoter
AT1G75790	SKU5 SIMILAR 18 (sks18)	SKU5 similar 1: 1_28461421	17.81	intergenic
AT3G16690	(SWEET16)	Nodulin MtN3 fe 3_5686630	17.74	promoter
AT3G16700	na	Fumarylacetoac 3_5686630	17.74	proximal promoter
AT3G02570	MATERNAL EFFECT EMBRYO ARREST	Encodes a prote 3_545745	17.72	promoter
AT3G02580	STEROL 1 (STE1)	Brassinosteroid 3_545745	17.72	proximal promoter
AT1G54390	INHIBITOR OF GROWTH 2 (ING2)	ING2 encodes e 1_20304128	17.69	intergenic
AT5G14430	na	S-adenosyl-L-m 5_4652145	17.69	proximal promoter
AT1G54385	na	ARM repeat sur 1_20304128	17.69	promoter
AT5G14420	RING DOMAIN LIGASE2 (RGLG2)	Encodes RGLG 5_4652145	17.69	proximal promoter
AT1G73470	na	unknown proteir 1_27627911	17.65	downstream
AT1G73480	na	alpha/beta-Hydr 1_27627911	17.65	proximal promoter
AT1G31650	RHO GUANYL-NUCLEOTIDE EXCHANGI	Encodes a merr 1_11329454	17.65	intron
AT1G66350	RGAL-LIKE 1 (RGL1)	Negative regula 1_24743969	17.64	intergenic
AT5G05430	na	RNA-binding pri 5_1608507	17.58	proximal promoter
AT5G05435	na	Potential natura 5_1608507	17.58	intergenic
AT5G05450	na	P-loop containr 5_1608507	17.58	intergenic
AT5G05440	PYRABACTIN RESISTANCE 1-LIKE 5 (P)	Encodes a merr 5_1608507	17.58	proximal promoter
AT1G16500	na	unknown proteir 1_5636564	17.55	proximal promoter
AT3G58080	na	unknown proteir 3_21510431	17.48	intron
AT2G32940	ARGONAUTE 6 (AGO6)	Encodes a nucl 2_13971782	17.47	downstream
AT2G32930	ZINC FINGER NUCLEASE 2 (ZFN2)	Encodes a zinc 2_13971782	17.47	proximal promoter
AT5G61960	MEI2-LIKE PROTEIN 1 (ML1)	A member of mk 5_24884752	17.45	promoter

AT1G58210	EMBRYO DEFECTIVE 1674 (EMB1674)	Encodes a merr 1_21553277	17.41	promoter
AT4G24150	GROWTH-REGULATING FACTOR 8 (GR)	Growth regulati 4_12536906	17.41	intron
AT5G65310	HOMEBOX PROTEIN 5 (HB5)	Encodes a clas 5_26100618	17.41	intergenic
AT1G58200	MSCS-LIKE 3 (MSL3)	A member of M: 1_21553277	17.41	promoter
AT2G45980	ATG8-INTERACTING PROTEIN 1 (ATI1)	Encodes an Atg 2_18914684	17.37	intergenic
AT2G45970	CYTOCHROME P450, FAMILY 86, SUBF	Encodes a merr 2_18914684	17.37	five_prime_UTR
AT2G45960	PLASMA MEMBRANE INTRINSIC PROTE	a member of the 2_18914684	17.37	intergenic
AT2G45950	SKP1-LIKE 20 (SK20)	SKP1-like 20 (S 2_18914684	17.37	intergenic
AT3G23040	na	unknown protei 3_8186832	17.35	exon
AT2G33180	na	unknown protei 2_14065843	17.35	proximal promoter
AT5G43700	AUXIN INDUCIBLE 2-11 (ATAUX2-11)	Auxin inducible 5_17550077	17.33	promoter
AT5G43695	na	unknown protei 5_17550077	17.33	intergenic
AT3G62980	TRANSPORT INHIBITOR RESPONSE 1 (	Encodes an au 3_23276583	17.33	promoter
AT3G05640	na	Protein phosph 3_1644438	17.32	proximal promoter
AT4G26400	na	RING/U-box su 4_13344694	17.31	downstream
AT2G41990	na	CONTAINS Inte 2_17527078	17.27	promoter
AT4G22010	SKU5 SIMILAR 4 (sks4)	SKU5 similar 4 4_11662556	17.26	proximal promoter
AT3G60400	na	Mitochondrial tr 3_22328139	17.25	proximal promoter
AT1G67410	na	Exostosin family 1_25256137	17.23	proximal promoter
AT1G67420	na	Zn-dependent e 1_25256137	17.23	intron
AT4G34710	ARGININE DECARBOXYLASE 2 (ADC2)	encodes a argir 4_16566053	17.19	intergenic
AT5G53400	BOBBER1 (BOB1)	Encodes BOBB 5_21663766	17.17	downstream
AT2G41820	na	Leucine-rich re 2_17446655	17.16	promoter
AT2G31570	GLUTATHIONE PEROXIDASE 2 (GPX2)	glutathione per 2_13437953	17.14	downstream
AT2G31560	na	Protein of unkn 2_13437953	17.14	three_prime_UTR
AT4G39390	NUCLEOTIDE SUGAR TRANSPORTER-F	Encodes a golg 4_18318260	17.12	downstream
AT1G10060	BRANCHED-CHAIN AMINO ACID TRANS	encodes a mito 1_3283985	17.11	promoter
AT5G05370	na	Cytochrome b-c 5_1592113	17.1	promoter
AT5G05380	PRENYLATED RAB ACCEPTOR 1.B3 (PF	prenylated RAB 5_1592113	17.1	promoter
AT5G05200	na	Protein kinase s 5_1547283	17.09	promoter
AT5G05210	na	Surfeit locus pr 5_1547283	17.09	promoter
AT5G21090	na	Leucine-rich re 5_7164144	17.08	promoter
AT5G22740	CELLULOSE SYNTHASE-LIKE A02 (CSL	encodes a beta 5_7557799	17.06	intron
AT2G44660	na	ALG6, ALG8 gly 2_18423371	17.04	proximal promoter
AT5G61600	ETHYLENE RESPONSE FACTOR 104 (E	encodes a mem 5_24764159	17.02	intergenic
AT5G61590	na	encodes a mem 5_24764159	17.02	intergenic
AT5G61580	PHOSPHOFRUCTOKINASE 4 (PFK4)	phosphofructoki 5_24764159	17.02	downstream
AT3G07350	na	Protein of unkn 3_2348978	17.01	downstream
AT1G80290	na	a member of the 1_30188280	17.01	promoter
AT1G01260	na	basic helix-loop 1_108239	17	proximal promoter
AT1G28440	HAESA-LIKE 1 (HSL1)	HAESA-like 1 (H 1_10001675	16.99	intergenic
AT1G28447	na	Pseudogene of 1_10001675	16.99	proximal promoter
AT5G45100	BOI-RELATED GENE 1 (BRG1)	Encodes one of 5_18215847	16.92	proximal promoter
AT3G19540	na	Protein of unkn 3_6783542	16.92	intergenic
AT1G60190	PLANT U-BOX 19 (PUB19)	Encodes PUB11 1_22200334	16.91	exon
AT1G22330	na	RNA-binding (R 1_7888922	16.9	intron
AT5G19380	CRT (CHLOROQUINE-RESISTANCE TR	Encodes one of 5_6531542	16.89	proximal promoter
AT5G19390	na	Encodes a prote 5_6531542	16.89	five_prime_UTR
AT1G21060	na	Protein of unkn 1_7370620	16.88	proximal promoter
AT4G05320	POLYUBIQUITIN 10 (UBQ10)	One of five poly 4_2718056	16.85	promoter
AT5G22940	FRA8 HOMOLOG (F8H)	Homolog of FR/ 5_7678938	16.84	three_prime_UTR
AT4G37330	CYTOCHROME P450, FAMILY 81, SUBF	member of CYP 4_17564020	16.81	intron
AT3G11700	FASCICLIN-LIKE ARABINOGLACTAN P	FASCICLIN-like 3_3697925	16.8	proximal promoter
AT5G40470	na	RNI-like superfe 5_16207152	16.78	intergenic
AT2G47060	PTO-INTERACTING 1-4 (PTI1-4)	Encodes Pto-int 2_19336371	16.7	proximal promoter
AT2G47070	SQUAMOS A PROMOTER BINDING PRO	member of SPL 2_19336371	16.7	promoter
AT2G35920	na	RNA helicase fe 2_15081204	16.69	intergenic
AT2G35930	PLANT U-BOX 23 (PUB23)	Encodes a cyto 2_15081204	16.69	intergenic
AT3G59900	AUXIN-REGULATED GENE INVOLVED II	Encodes ARG 3_22128996	16.67	proximal promoter
AT4G18205	na	Nucleotide-sug 4_10078435	16.67	intergenic
AT4G18220	na	Drug/metabolite 4_10078435	16.67	promoter
AT4G18210	PURINE PERMEASE 10 (PUP10)	Member of a far 4_10078435	16.67	intergenic
AT5G66580	na	unknown protei 5_26572366	16.65	promoter
AT5G66590	na	CAP (Cysteine- 5_26572366	16.65	proximal promoter
AT5G66600	na	Protein of unkn 5_26572366	16.65	intergenic
AT3G60520	na	unknown protei 3_22363532	16.64	proximal promoter
AT5G67250	SKP1/ASK1-INTERACTING PROTEIN 2 (	Encodes an SK 5_26833541	16.62	promoter
AT1G67890	na	PAS domain-co 1_25464402	16.61	intergenic
AT1G67900	na	Phototropic-res 1_25464402	16.61	promoter
AT3G24670	na	Pectin lyase-like 3_9007802	16.59	intron
AT1G19330	na	unknown protei 1_6683678	16.54	promoter
AT1G19340	na	Methyltransfera 1_6683678	16.54	proximal promoter
AT3G02120	na	hydroxyproline- 3_375803	16.54	proximal promoter
AT3G02110	SERINE CARBOXYPEPTIDASE-LIKE 25 (	serine carboxyp 3_375803	16.54	proximal promoter
AT3G54820	PLASMA MEMBRANE INTRINSIC PROTE	plasma membra 3_20302985	16.48	intron
AT3G18490	ASPARTIC PROTEASE IN GUARD CELL	Encodes ASPG 3_6350663	16.47	five_prime_UTR
AT3G30775	EARLY RESPONSIVE TO DEHYDRATION	Encodes a proli 3_12453923	16.47	proximal promoter
AT4G27520	EARLY NODULIN-LIKE PROTEIN 2 (ENO	early nodulin-lik 4_13749433	16.46	intergenic
AT4G27510	na	unknown protei 4_13749433	16.46	promoter
AT5G55120	VITAMIN C DEFECTIVE 5 (VTC5)	Encodes a GDF 5_22369071	16.45	promoter
AT4G16490	na	ARM repeat su 4_9295851	16.43	promoter
AT1G22400	(UGT85A1)	UGT85A1; FUN 1_7904996	16.42	intron
AT3G16240	DELTA TONOPLAST INTEGRAL PROTEI	Delta tonoplast 3_5504694	16.42	proximal promoter
AT4G01950	GLYCEROL-3-PHOSPHATE ACYLTRANS	Encodes a merr 4_845627	16.42	intron
AT4G01940	NFU DOMAIN PROTEIN 1 (NFU1)	Encodes a prote 4_845627	16.42	proximal promoter
AT3G16250	PHOTOSYNTHETIC NDH SUBCOMPLE	encodes a nove 3_5504694	16.42	intergenic
AT1G22380	UDP-GLUCOSYL TRANSFERASE 85A3 (	Encodes a puta 1_7904996	16.42	proximal promoter
AT1G20340	DNA-DAMAGE-REPAIR/TOLERATION PF	recombination a 1_7038291	16.41	intergenic
AT1G20330	STEROL METHYLTRANSFERASE 2 (SM	Encodes a sterc 1_7038291	16.41	intergenic
AT1G32640	(MYC2)	Encodes a MYC 1_11801052	16.39	promoter
AT1G32630	na	unknown protei 1_11801052	16.39	intergenic
AT2G45600	na	alpha/beta-Hydr 2_18790584	16.35	exon
AT2G45590	na	Protein kinase s 2_18790584	16.35	intergenic
AT2G44210	na	Protein of Unkn 2_18278511	16.35	proximal promoter

AT2G44200	na	CBF1-interactin 2_18278511	16.35	three_prime_UTR
AT1G72180	na	Leucine-rich rec 1_27160200	16.34	proximal promoter
AT5G05140	na	Transcription el 5_1523018	16.33	intergenic
AT1G01115	na	unknown proteir 1_55538	16.33	proximal promoter
AT3G51010	na	unknown proteir 3_18948299	16.3	promoter
AT4G25490	C-REPEAT/DRE BINDING FACTOR 1 (CE	Transcriptional i 4_13023624	16.29	proximal promoter
AT1G30370	DAD1-LIKE ACYLHYDROLASE (DLAH)	Encodes a mito 1_10715617	16.28	intergenic
AT1G30360	EARLY-RESPONSIVE TO DEHYDRATIO	early-responsiv 1_10715617	16.28	promoter
AT1G22570	na	Major facilitator 1_7975302	16.27	intergenic
AT3G62070	na	unknown proteir 3_22985465	16.24	proximal promoter
AT3G62080	na	SNF7 family prc 3_22985465	16.24	proximal promoter
AT5G67310	CYTOCHROME P450, FAMILY 81, SUBF	member of CYP 5_26853797	16.23	intergenic
AT5G67300	MYB DOMAIN PROTEIN R1 (MYBR1)	Member of the f 5_26853797	16.23	promoter
AT4G27740	na	Yippee family pt 4_13838808	16.22	promoter
AT2G01670	NUDIX HYDROLASE HOMOLOG 17 (NUI	nudix hydrolase 2_299381	16.22	proximal promoter
AT4G27730	OLIGOPEPTIDE TRANSPORTER 1 (OPT	oligopeptide tra 4_13838808	16.22	proximal promoter
AT2G23170	(GH3.3)	encodes an IAA 2_9866788	16.21	promoter
AT2G23171	na	unknown proteir 2_9866788	16.21	exon
AT3G57400	na	unknown proteir 3_21237026	16.17	proximal promoter
AT3G19540	na	Protein of unknc 3_6780464	16.15	promoter
AT2G35880	na	TPX2 (targeting 2_15066338	16.15	promoter
AT2G21660	GLYCINE-RICH RNA-BINDING PROTEIN	Encodes a smal 2_9266542	16.14	promoter
AT2G21670	na	pre-tRNA; tRNA 2_9266542	16.14	intergenic
AT4G34250	3-KETOACYL-COA SYNTHASE 16 (KCS1	Encodes KCS1 4_16394660	16.13	promoter
AT4G34240	ALDEHYDE DEHYDROGENASE 3I1 (AL	Aldehyde dehyd 4_16394660	16.13	intergenic
AT3G01830	na	Calcium-binding 3_295660	16.12	promoter
AT3G01820	na	P-loop containir 3_295660	16.12	promoter
AT4G36250	ALDEHYDE DEHYDROGENASE 3F1 (AL	Encodes a puta 4_17150706	16.09	promoter
AT4G36240	GATA TRANSCRIPTION FACTOR 7 (GAT	Encodes a merr 4_17150706	16.09	proximal promoter
AT4G36245	na	pre-tRNA; tRNA 4_17150706	16.09	intergenic
AT5G24530	DOWNY MILDEW RESISTANT 6 (DMR6)	Encodes a puta 5_8376521	16.08	proximal promoter
AT4G39400	BRASSINOSTEROID INSENSITIVE 1 (BR	Encodes a plasi 4_18322715	16.04	proximal promoter
AT3G57450	na	unknown proteir 3_21261339	16.04	proximal promoter
AT3G57460	na	catalytic;metal 3_21261339	16.04	intergenic
AT5G59540	na	2-oxoglutarate (5_23999864	16.03	proximal promoter
AT2G42840	PROTODERMAL FACTOR 1 (PDF1)	Encodes a puta 2_17825836	16.03	intergenic
AT5G59550	RING AND DOMAIN OF UNKNOWN FUN	Encodes an AB 5_23999864	16.03	promoter
AT5G59560	SENSITIVITY TO RED LIGHT REDUCED	Encodes a nove 5_23999864	16.03	intergenic
AT3G26932	DSRNA-BINDING PROTEIN 3 (DRB3)	dsRNA-binding 3_9930200	16.02	downstream
AT2G27385	na	Pollen Ole e 1 a 2_11717439	16.02	promoter
AT2G41550	na	Rho termination 2_17331371	16.02	promoter
AT3G07450	na	Bifunctional inhi 3_2388687	16.02	intergenic
AT3G07460	na	Protein of unknc 3_2388687	16.02	proximal promoter
AT3G07470	na	Protein of unknc 3_2388687	16.02	promoter
AT3G07480	na	2Fe-2S ferredox 3_2388687	16.02	promoter
AT3G26934	na	unknown proteir 3_9930200	16.02	proximal promoter
AT1G21390	EMBRYO DEFECTIVE 2170 (emb2170)	embryo defectiv 1_7488922	16.01	downstream
AT1G21380	na	Target of Myb p 1_7488922	16.01	promoter
AT2G22800	(HAT9)	Encodes homec 2_9702847	15.97	intergenic
AT3G15850	FATTY ACID DESATURASE 5 (FAD5)	Chloroplastic er 3_5358834	15.96	promoter
AT3G15840	POST-ILLUMINATION CHLOROPHYLL F	Encodes a chl 3_5358834	15.96	promoter
AT1G05010	ETHYLENE-FORMING ENZYME (EFE)	Encodes 1-amir 1_1434694	15.95	proximal promoter
AT1G05020	na	ENTH/ANTH/Vt 1_1434694	15.95	intergenic
AT2G01570	REPRESSOR OF GA1-3 1 (RGA1)	Member of the 1_259132	15.93	proximal promoter
AT5G44030	CELLULOSE SYNTHASE A4 (CESA4)	Encodes a cellu 5_17711801	15.91	proximal promoter
AT5G44020	na	HAD superfamil 5_17711801	15.91	proximal promoter
AT4G29190	OXIDATION-RELATED ZINC FINGER 2 (	Zinc finger C-x8 4_14396889	15.91	intergenic
AT1G53830	PECTIN METHYLESTERASE 2 (PME2)	encodes a pecti 1_20097025	15.9	proximal promoter
AT5G49760	na	Leucine-rich re 5_20216325	15.89	promoter
AT1G53170	ETHYLENE RESPONSE FACTOR 8 (ERF	encodes a mem 1_19825481	15.87	intergenic
AT1G15750	TOPLESS (TPL)	Encodes a prote 1_5421457	15.86	promoter
AT4G05060	na	PapD-like super 4_2589394	15.82	intergenic
AT4G05049	na	unknown pseud 4_2589394	15.82	intergenic
AT4G05053	na	pseudogene of 4_2589394	15.82	promoter
AT5G52250	REPRESSOR OF UV-B PHOTOMORPHIC	Encodes a trans 5_21216059	15.82	proximal promoter
AT4G05050	UBIQUITIN 11 (UBQ11)	polyubiquitin ge 4_2589394	15.82	promoter
AT5G11050	MYB DOMAIN PROTEIN 64 (MYB64)	Member of R2R 5_3505416	15.79	intergenic
AT4G18975	na	Pentatricopeptic 4_10390937	15.76	intergenic
AT4G18970	na	GDSL-like Lipas 4_10390937	15.76	intron
AT3G24630	TON1 RECRUITING MOTIF 34 (TRM34)	unknown proteir 3_8986229	15.76	proximal promoter
AT5G60710	na	Zinc finger (C3f 5_24417257	15.75	proximal promoter
AT1G02060	na	Tetratricopeptid 1_364362	15.74	proximal promoter
AT5G47600	na	HSP20-like chai 5_19302109	15.7	proximal promoter
AT5G47610	na	RING/U-box suj 5_19302109	15.7	promoter
AT5G47620	na	RNA-binding (R 5_19302109	15.7	downstream
AT1G76110	na	HMG (high mob 1_28553035	15.69	intergenic
AT1G76100	PLASTOCYANIN 1 (PETE1)	One of two Ara1 1_28553035	15.69	intergenic
AT3G02550	LOB DOMAIN-CONTAINING PROTEIN 41	LOB domain-co 3_538416	15.68	promoter
AT3G48450	na	RPM1-interactir 3_17947112	15.68	proximal promoter
AT1G01840	na	unknown proteir 1_302737	15.68	proximal promoter
AT1G01830	na	ARM repeat suj 1_302737	15.68	promoter
AT3G02540	RADIATION SENSITIVE23C (RAD23C)	Encodes a merr 3_538416	15.68	proximal promoter
AT1G27360	SQUAMOSIA PROMOTER-LIKE 11 (SPL1	In conjunction w 1_9501581	15.62	intron
AT3G51057	na	This gene encoi 3_18960690	15.6	intergenic
AT1G14910	na	ENTH/ANTH/Vt 1_5147996	15.55	intergenic
AT2G46535	na	unknown proteir 2_19109229	15.51	promoter
AT5G45950	na	GDSL-like Lipas 5_18635321	15.5	intron
AT3G22380	TIME FOR COFFEE (TIC)	Encodes a nucl 3_7911306	15.48	proximal promoter
AT4G34160	CYCLIN D3;1 (CYCD3;1)	encodes a cycli 4_16361687	15.46	intergenic
AT2G42440	ASYMMETRIC LEAVES 2-LIKE 15 (ASL1	Lateral organ br 2_17667909	15.45	intergenic
AT5G60210	ROP INTERACTIVE PARTNER 5 (RIP5)	ROP interactive 5_24245984	15.45	promoter
AT1G76580	na	Squamosa pron 1_28738993	15.44	downstream
AT1G76590	na	PLATZ transcri 1_28738993	15.44	proximal promoter
AT5G57590	BIOTIN AUXOTROPH 1 (BIO1)	Mutant complex 5_23323817	15.43	proximal promoter

AT4G29700	na	Alkaline-phosph	4_14545927	15.42	proximal promoter
AT1G31930	EXTRA-LARGE GTP-BINDING PROTEIN	Encodes XLG3	1_11469371	15.41	downstream
AT4G31805	na	WRKY family tr	4_15385295	15.41	five_prime_UTR
AT1G11270	na	F-box and asso	1_3776150	15.41	intergenic
AT1G31935	na	other RNA	1_11469371	15.41	promoter
AT2G19806	na	transposable elk	2_8544726	15.41	proximal promoter
AT1G31940	na	unknown protei	1_11469371	15.41	intergenic
AT1G11260	SUGAR TRANSPORTER 1 (STP1)	Encodes a H+/t	1_3776150	15.41	proximal promoter
AT4G31800	WRKY DNA-BINDING PROTEIN 18 (WRK	Pathogen-induc	4_15385295	15.41	intergenic
AT1G01430	TRICHOME BIREFRINGENCE-LIKE 25 (T	Encodes a merr	1_156668	15.4	downstream
AT1G01420	UDP-GLUCOSYL TRANSFERASE 72B3 (	UDP-glucosyl tr	1_156668	15.4	proximal promoter
AT2G18690	na	unknown protei	2_8097204	15.39	promoter
AT3G59940	na	Galactose oxid	3_22141792	15.37	proximal promoter
AT3G59930	na	Encodes a defe	3_22141792	15.37	proximal promoter
AT3G59950	na	Peptidase fami	3_22141792	15.37	intergenic
AT1G75640	na	Leucine-rich rec	1_28406088	15.36	exon
AT3G29320	ALPHA-GLUCAN PHOSPHORYLASE 1 (F	Encodes a plasi	3_11252683	15.35	promoter
AT4G24660	HOMEBOX PROTEIN 22 (HB22)	homeobox prote	4_12727198	15.35	proximal promoter
AT2G32150	na	Haloacid dehal	2_13658293	15.35	proximal promoter
AT4G24670	TRYPTOPHAN AMINOTRANSFERASE R	Encodes a prot	4_12727198	15.35	intergenic
AT1G69270	RECEPTOR-LIKE PROTEIN KINASE 1 (R	RPK1 is a leucir	1_26043168	15.34	promoter
AT4G19530	na	Encodes a TIR-	4_10649584	15.32	proximal promoter
AT1G66300	na	F-box/RNI-like/F	1_24720820	15.31	proximal promoter
AT4G14310	na	Transducin/WD	4_8240613	15.3	promoter
AT3G54740	na	Protein of unkn	3_20261949	15.28	promoter
AT5G42950	na	GYF domain-co	5_17224051	15.28	promoter
AT3G47610	na	transcription re	3_17551357	15.27	three_prime_UTR
AT4G12120	(SEC1B)	member of KEU	4_7256183	15.25	intergenic
AT3G21320	na	BEST Arabidop:	3_7502053	15.25	promoter
AT4G12115	na	pre-tRNA; tRNA	4_7256183	15.25	promoter
AT4G12110	STEROL-4ALPHA-METHYL OXIDASE 1-1	Encodes a merr	4_7256183	15.25	three_prime_UTR
AT3G23740	na	unknown protei	3_8551408	15.22	intergenic
AT3G62988	na	This gene enc	3_23281755	15.22	downstream
AT3G23730	XYLOGLUCAN ENDOTRANGLUCOSYL	xyloglucan end	3_8551408	15.22	downstream
AT3G12290	na	Amino acid deh	3_3919326	15.21	promoter
AT3G12280	RETINOBLASTOMA-RELATED 1 (RBR1)	Encodes a retin	3_3919326	15.21	promoter
AT4G21570	na	Protein of unkn	4_11472935	15.19	five_prime_UTR
AT4G21560	VACUOLAR PROTEIN SORTING-ASSOC	vacuolar protei	4_11472935	15.19	proximal promoter
AT4G03113	na	unknown protei	4_1382629	15.17	three_prime_UTR
AT4G03115	na	Mitochondrial st	4_1382629	15.17	three_prime_UTR
AT4G27270	na	Quinone reduct	4_13658749	15.16	intergenic
AT2G38370	na	Plant protein of	2_16074282	15.16	promoter
AT3G51940	na	unknown protei	3_19276602	15.16	proximal promoter
AT3G51950	na	Zinc finger (CC	3_19276602	15.16	intergenic
AT3G22886	MICRORNA167A (MIR167A)	Encodes a micr	3_8104535	15.15	intergenic
AT4G18370	DEGP PROTEASE 5 (DEG5)	Encodes DEG5	4_10148862	15.09	promoter
AT4G18360	na	Aldolase-type T	4_10148862	15.09	promoter
AT3G01500	CARBONIC ANHYDRASE 1 (CA1)	Encodes a puta	3_193593	15.08	intergenic
AT3G01490	na	Protein kinase s	3_193593	15.08	promoter
AT1G54040	EPITHIOSPECIFIER PROTEIN (ESP)	Epithiospecifi	1_20177102	15.06	intergenic
AT1G49500	na	unknown protei	1_18323497	15.06	proximal promoter
AT5G11060	KNOTTED1-LIKE HOMEBOX GENE 4 (I	A member of Cl	5_3508671	15.05	proximal promoter
AT5G54280	MYOSIN 2 (ATM2)	Type VII myosin	5_22046983	15.05	proximal promoter
AT1G78040	na	Pollen Ole e 1	a 1_29345709	15.04	promoter
AT1G78050	PHOSPHOGLYCERATE/BISPHOSPHOG	phosphoglycera	1_29345709	15.04	proximal promoter
AT3G18490	ASPARTIC PROTEASE IN GUARD CELL	Encodes ASPG	3_6346325	15.03	intergenic
AT4G14440	3-HYDROXYACYL-COA DEHYDRATASE	encodes a cytos	4_8307843	15.01	promoter
AT2G46660	CYTOCHROME P450, FAMILY 78, SUBF	Encodes a merr	2_19153949	15.01	exon
AT5G17890	DA1-RELATED PROTEIN 4 (DAR4)	Encodes a prot	5_5915055	15.01	proximal promoter
AT3G50060	MYB DOMAIN PROTEIN 77 (MYB77)	Encodes a merr	3_18559324	15.01	promoter
AT5G65305	na	pre-tRNA; tRNA	5_26096647	15	intergenic
AT2G43680	IQ-DOMAIN 14 (IQD14)	IQ-domain 14 (I	2_18107242	14.99	proximal promoter
AT2G23755	na	unknown protei	2_10105268	14.99	proximal promoter
AT3G59052	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open	3_21830520	14.98	intergenic
AT1G17380	JASMONATE-ZIM-DOMAIN PROTEIN 5 (	jasmonate-zim-	1_5958026	14.98	proximal promoter
AT3G59068	na	Potential natura	3_21830520	14.98	proximal promoter
AT3G59070	na	Cytochrome b5f	3_21830520	14.98	intergenic
AT3G59060	PHYTOCHROME INTERACTING FACTO	Encodes a nove	3_21830520	14.98	promoter
AT3G59050	POLYAMINE OXIDASE 3 (PAO3)	Encodes a poly;	3_21830520	14.98	intergenic
AT4G32010	HSI2-LIKE 1 (HSL1)	HSI2-like 1 (HS	1_15485990	14.95	intergenic
AT4G32020	na	unknown protei	4_15485990	14.95	proximal promoter
AT1G01290	COFACTOR OF NITRATE REDUCTASE /	COFACTOR OF	1_118660	14.94	intergenic
AT1G01300	na	Eukaryotic aspa	1_118660	14.94	three_prime_UTR
AT2G28056	MICRORNA172A (MIR172A)	Encodes a micr	2_11947551	14.93	intergenic
AT4G34760	na	SAUR-like auxi	4_16583049	14.92	promoter
AT3G63150	MIRO-RELATED GTP-ASE 2 (MIRO2)	Encodes a calci	3_23332837	14.91	five_prime_UTR
AT2G22760	na	basic helix-loop	2_9677081	14.91	proximal promoter
AT3G61910	NAC DOMAIN PROTEIN 66 (NAC066)	NAC transcripti	3_22929421	14.9	exon
AT1G27960	EVOLUTIONARILY CONSERVED C-TER	encodes a prote	1_9740031	14.89	intergenic
AT1G27950	GLYCOSYLPHOSPHATIDYLINOSITOL-A	Encodes LTPG:	1_9740031	14.89	proximal promoter
AT1G78170	na	unknown protei	1_29413435	14.88	proximal promoter
AT1G78172	na	unknown protei	1_29413435	14.88	proximal promoter
AT3G16830	TOPLESS-RELATED 2 (TPR2)	TOPLESS-relat	3_5731143	14.88	promoter
AT3G10572	ABERRANT PEROXISOME MORPHOLO	APEM9 is requi	3_3304012	14.85	promoter
AT3G10570	CYTOCHROME P450, FAMILY 77, SUBF	member of CYP	3_3304012	14.85	downstream
AT2G20830	na	transferases;fol	2_8971456	14.84	proximal promoter
AT2G20835	na	unknown protei	2_8971456	14.84	promoter
AT1G64380	na	encodes a mem	1_23893680	14.83	proximal promoter
AT1G51805	na	Leucine-rich re	1_19225888	14.78	promoter
AT4G37250	na	Leucine-rich re	4_17530374	14.77	five_prime_UTR
AT1G30330	AUXIN RESPONSE FACTOR 6 (ARF6)	Encodes a merr	1_10693199	14.76	proximal promoter
AT2G28340	GATA TRANSCRIPTION FACTOR 13 (GA	Encodes a merr	2_12108369	14.75	intergenic
AT5G67420	LOB DOMAIN-CONTAINING PROTEIN 37	Encodes a LOB	5_26901279	14.73	intergenic
AT1G04150	na	C2 calcium/lipid	1_1084701	14.72	promoter

AT3G57800	na	basic helix-loop_3_21408549	14.72	intron
AT3G57810	na	Cysteine protei 3_21408549	14.72	intergenic
AT1G25450	3-KETOACYL-COA SYNTHASE 5 (KCS5)	Encodes KCS5, 1_8938252	14.71	downstream
AT3G22104	na	Phototropic-res; 3_7788106	14.71	proximal promoter
AT5G58620	na	zinc finger (CCC 5_23691946	14.71	proximal promoter
AT5G19090	na	Heavy metal tra 5_6393378	14.68	intergenic
AT1G79060	na	unknown proteir 1_29741417	14.66	promoter
AT1G79070	na	SNARE-associ 1_29741417	14.66	intergenic
AT1G24170	(LGT9)	Encodes a prot 1_8559044	14.65	promoter
AT3G60164	na	Pseudogene of 3_22231830	14.65	downstream
AT3G60170	na	transposable el 3_22231830	14.65	proximal promoter
AT5G62100	BCL-2-ASSOCIATED ATHANOGENE 2 (E	A member of Ar 5_24939425	14.63	proximal promoter
AT5G62090	SEUSS-LIKE 2 (SLK2)	SEUSS-like 2 (€ 5_24939425	14.63	promoter
AT2G02540	HOMEOBOX PROTEIN 21 (HB21)	Zinc finger hom 2_686050	14.62	intergenic
AT2G02550	na	PIN domain-like 2_686050	14.62	proximal promoter
AT5G51790	na	basic helix-loop 5_21038189	14.61	proximal promoter
AT5G49170	na	unknown proteir 5_19938811	14.6	three_prime_UTR
AT5G55920	OLIGOCELLULA 2 (OLI2)	Encodes a hom 5_22651216	14.58	proximal promoter
AT2G14080	na	Disease resist 2_5925127	14.57	promoter
AT3G58620	TETRATRICOPETIDE-REPEAT THIORE	Encodes one of 3_21678922	14.57	proximal promoter
AT3G05210	(ERCC1)	encodes a hom 3_1479254	14.56	promoter
AT3G05200	ARABIDOPSIS TOXICOS EN LEVADURA	Encodes a puta 3_1479254	14.56	intergenic
AT1G25425	CLAVATA3/ESR-RELATED 43 (CLE43)	CLAVATA3/ESF 1_8924294	14.54	intergenic
AT4G18830	OVATE FAMILY PROTEIN 5 (OFP5)	Member of the € 4_10337186	14.52	promoter
AT5G65700	BARELY ANY MERISTEM 1 (BAM1)	Encodes a CLA 5_26285617	14.51	downstream
AT2G41870	na	Remorin family | 2_17473205	14.51	promoter
AT1G76180	EARLY RESPONSE TO DEHYDRATION	Encodes a dehy 1_28586550	14.5	downstream
AT1G11330	na	S-locus lectin p 1_3810165	14.5	intron
AT1G76170	na	2-thiocytidine tR 1_28586550	14.5	promoter
AT2G46270	G-BOX BINDING FACTOR 3 (GBF3)	encodes a bZIP 2_18998832	14.49	proximal promoter
AT2G46260	LIGHT-RESPONSE BTB 1 (LRB1)	Involvement in ; 2_18998832	14.49	downstream
AT5G64780	na	Uncharacterise 5_25898291	14.48	intergenic
AT5G64770	ROOT MERISTEM GROWTH FACTOR 9	Encodes a root 5_25898291	14.48	promoter
AT1G06200	na	Peptidase S24/ 1_1897000	14.46	promoter
AT1G05136	na	unknown proteir 1_1479033	14.46	exon
AT1G05135	na	pseudogene of 1_1479033	14.46	promoter
AT1G79150	na	binding; FUNCT 1_29778309	14.45	promoter
AT1G79160	na	unknown proteir 1_29778309	14.45	intergenic
AT5G59790	na	CONTAINS Inte 5_24089417	14.44	proximal promoter
AT5G66730	INDETERMINATE DOMAIN 1 (IDD1)	C2H2-like zinc f 5_26646187	14.43	proximal promoter
AT5G66740	na	Protein of unkn 5_26646187	14.43	proximal promoter
AT4G17680	na	SBP (S-ribonuci 4_9839987	14.42	intergenic
AT1G46264	HEAT SHOCK TRANSCRIPTION FACTO	Encodes SCHIZ 1_17219016	14.41	intergenic
AT1G75570	na	pre-tRNA; tRNA 1_28374904	14.4	proximal promoter
AT5G14640	SHAGGY-LIKE KINASE 13 (SK13)	shaggy-like kine 5_4722415	14.4	promoter
AT5G25220	KNOTTED1-LIKE HOMEOBOX GENE 3 (I	A member of cle 5_8732093	14.39	intergenic
AT3G28910	MYB DOMAIN PROTEIN 30 (MYB30)	transcription fac 3_10908827	14.39	proximal promoter
AT5G02960	na	Ribosomal prote 5_694809	14.39	promoter
AT5G02970	na	alpha/beta-Hydr 5_694809	14.39	promoter
AT2G32010	CVP2 LIKE 1 (CVL1)	Encodes an ino 2_13628302	14.38	intron
AT5G67270	END BINDING PROTEIN 1C (EB1C)	encodes a hom 5_26846322	14.38	intergenic
AT5G62670	H(+)-ATPASE 11 (HA11)	H(+)-ATPase 11 5_25158765	14.38	promoter
AT5G13760	na	Plasma-membr 5_4441771	14.38	promoter
AT1G06000	na	encodes a flavo 1_1820250	14.38	downstream
AT1G06002	na	Potential natura 1_1820250	14.38	proximal promoter
AT1G06010	na	unknown proteir 1_1820250	14.38	proximal promoter
AT5G67290	na	FAD-dependent 5_26846322	14.38	intergenic
AT5G67280	RECEPTOR-LIKE KINASE (RLK)	receptor-like kin 5_26846322	14.38	proximal promoter
AT5G13750	ZINC INDUCED FACILITATOR-LIKE 1 (Z	zinc induced fac 5_4441771	14.38	downstream
AT3G52870	na	IQ calmodulin-b 3_19598734	14.37	proximal promoter
AT4G37640	CALCIUM ATPASE 2 (ACA2)	Encodes a calr 4_17687756	14.36	proximal promoter
AT5G06390	FASCICLIN-LIKE ARABINOGLACTAN P	FASCICLIN-like 5_1952363	14.36	promoter
AT1G78600	LIGHT-REGULATED ZINC FINGER PRO	light-regulated z 1_29566883	14.35	promoter
AT1G78590	NAD(H) KINASE 3 (NADK3)	Encodes a NAD 1_29566883	14.35	intergenic
AT4G16970	na	Protein kinase s 4_9556685	14.33	proximal promoter
AT4G16980	na	arabinogalactar 4_9556685	14.33	promoter
AT4G36710	(HAM4)	GRAS family tra 4_17304751	14.32	proximal promoter
AT2G26250	3-KETOACYL-COA SYNTHASE 10 (KCS1	epidermis-speci 2_11173272	14.32	promoter
AT5G11700	na	BEST Arabidop: 5_3771629	14.32	promoter
AT1G15800	na	unknown proteir 1_5442307	14.32	intron
AT1G15810	na	S15/NS1, RNA- 1_5442307	14.32	proximal promoter
AT1G01490	na	Heavy metal tra 1_182401	14.3	promoter
AT1G72680	CINNAMYL-ALCOHOL DEHYDROGENAS	cinnamyl-alcohc 1_27359021	14.29	downstream
AT1G72670	IQ-DOMAIN 8 (iqd8)	IQ-domain 8 (iq 1_27359021	14.29	promoter
AT1G18075	MICRORNA159B (MIR159B)	Encodes a micr 1_6219522	14.29	proximal promoter
AT3G03210	na	unknown proteir 3_740590	14.28	promoter
AT3G60220	TOXICOS EN LEVADURA 4 (ATL4)	Encodes a puta 3_22255983	14.28	five_prime_UTR
AT2G33509	na	unknown proteir 2_14193948	14.27	exon
AT2G33510	na	unknown proteir 2_14193948	14.27	promoter
AT4G20930	na	6-phosphogluc 4_11201327	14.27	promoter
AT2G41540	(GPDHC1)	Encodes a prot 2_17325939	14.26	promoter
AT5G19095	na	pre-tRNA; tRNA 5_6395226	14.26	intergenic
AT2G41530	S-FORMYLGLUTATHIONE HYDROLASE	Encodes a prote 2_17325939	14.26	promoter
AT5G25280	na	serine-rich prote 5_8773613	14.22	promoter
AT5G25290	na	CONTAINS Inte 5_8773613	14.22	intergenic
AT1G70700	(TIFY7)	JAZ9 is a protei 1_26657725	14.21	intergenic
AT1G70710	GLYCOSYL HYDROLASE 9B1 (GH9B1)	endo-1,4-beta-c 1_26657725	14.21	intergenic
AT5G15310	MYB DOMAIN PROTEIN 16 (MYB16)	Member of the F 5_4973055	14.2	proximal promoter
AT1G16515	na	unknown proteir 1_5648174	14.19	promoter
AT1G16520	na	unknown proteir 1_5648174	14.19	proximal promoter
AT1G30020	na	Protein of unkn 1_10517713	14.18	proximal promoter
AT4G16500	na	Cystatin/monelli 4_9302113	14.16	promoter
AT4G16510	na	YbaK/aminoacy 4_9302113	14.16	proximal promoter
AT3G05230	na	Signal peptidasi 3_1490556	14.16	proximal promoter

AT3G05220	na	Heavy metal tra 3_1490556	14.16	exon
AT5G67260	CYCLIN D3;2 (CYCD3;2)	Encode CYCD3 5_26835706	14.13	promoter
AT1G18710	MYB DOMAIN PROTEIN 47 (MYB47)	Member of the F 1_6453618	14.13	intergenic
AT1G10410	na	Protein of unknc 1_3421346	14.13	proximal promoter
AT3G06160	na	AP2/B3-like trar 3_1864375	14.12	intron
AT3G07390	AUXIN-INDUCED IN ROOT CULTURES 1	isolated from dif 3_2365387	14.1	five_prime_UTR
AT3G07400	na	lipase class 3 fa 3_2365387	14.1	proximal promoter
AT3G50750	BES1/BZR1 HOMOLOG 1 (BEH1)	BES1/BZR1 hor 3_18863746	14.07	proximal promoter
AT3G50751	na	This gene encod 3_18863746	14.07	exon
AT5G45100	BOI-RELATED GENE 1 (BRG1)	Encodes one of 5_18213962	14.06	intergenic
AT3G46560	(TIM9)	Encodes a sma1 3_17138011	14.05	proximal promoter
AT5G20190	na	Tetratricopeptid 5_6813567	14.05	proximal promoter
AT5G49525	na	unknown proteir 5_20098792	14.05	proximal promoter
AT3G46540	na	ENTH/VHS fam 3_17138011	14.05	proximal promoter
AT1G75180	na	Erythronate-4-p 1_28216969	14.05	intron
AT1G75190	na	unknown proteir 1_28216969	14.05	proximal promoter
AT1G75200	na	flavodoxin famil 1_28216969	14.05	intergenic
AT5G67070	RALF-LIKE 34 (RALFL34)	Member of a div 5_26767936	14.05	promoter
AT3G46550	SALT OVERLY SENSITIVE 5 (SOS5)	Isolated in a scr 3_17138011	14.05	promoter
AT5G19730	na	Pectin lyase-like 5_6669254	14.03	proximal promoter
AT5G19729	na	This gene encod 5_6669254	14.03	intergenic
AT1G01550	BYPASS 1 (BPS1)	Encodes a prote 1_199595	14.02	promoter
AT2G45830	DOWNSTREAM TARGET OF AGL15 2 (D	downstream tar 2_18866959	14.02	exon
AT1G01560	MAP KINASE 11 (MPK11)	member of MAF 1_199595	14.02	proximal promoter
AT1G01540	na	Protein kinase s 1_199595	14.02	intergenic
AT2G33040	GAMMA SUBUNIT OF MT ATP SYNTHAS	gamma subunit 2_14021687	14.01	proximal promoter
AT2G33050	RECEPTOR LIKE PROTEIN 26 (RLP26)	receptor like prc 2_14021687	14.01	promoter
AT3G48360	BTB AND TAZ DOMAIN PROTEIN 2 (bt2)	encodes a prote 3_17911785	14	proximal promoter
AT3G48350	CYSTEINE ENDOPEPTIDASE 3 (CEP3)	Cysteine proteir 3_17911785	14	intergenic
AT3G23085	na	transposable elk 3_8213567	13.99	proximal promoter
AT3G24490	na	Alcohol dehydr 3_8908670	13.99	proximal promoter
AT2G44920	na	Tetratricopeptid 2_18523541	13.98	proximal promoter
AT5G04220	(SYTC)	SYTC; FUNCTII 5_1159523	13.97	proximal promoter
AT5G46720	na	AIG2-like (aviru 5_18958099	13.97	proximal promoter
AT5G51460	(ATTPPA)	homologous to 1 5_20900531	13.95	promoter
AT5G08130	(BIM1)	Arabidopsis thai 5_2609196	13.95	intron
AT3G03860	APR-LIKE 5 (APRL5)	Encodes a prote 3_995114	13.94	intergenic
AT3G03870	na	unknown proteir 3_995114	13.94	promoter
AT3G01140	MYB DOMAIN PROTEIN 106 (MYB106)	Encodes a MIX 3_49819	13.93	proximal promoter
AT3G52060	na	Core-2/l-branch 3_19312503	13.93	promoter
AT3G52070	na	unknown proteir 3_19312503	13.93	promoter
AT3G52072	na	Potential natura 3_19312503	13.93	downstream
AT5G27345	na	transposable elk 5_9645281	13.93	proximal promoter
AT1G14280	PHYTOCHROME KINASE SUBSTRATE 2	Encodes phytoc 1_4879554	13.93	intergenic
AT3G01150	POLYPYRIMIDINE TRACT-BINDING PRO	Encodes one of 3_49819	13.93	proximal promoter
AT3G23727	SCR-LIKE 12 (SCRL12)	Encodes a merr 3_8546934	13.93	intergenic
AT1G14290	SPHINGOID BASE HYDROXYLASE 2 (SE	Encodes one of 1_4879554	13.93	intergenic
AT5G63810	BETA-GALACTOSIDASE 10 (BGAL10)	member of Glyc 5_25536127	13.92	proximal promoter
AT5G63800	MUCILAGE-MODIFIED 2 (MUM2)	Involved in muc 5_25536127	13.92	intergenic
AT2G46970	PHYTOCHROME INTERACTING FACTOI	encodes a nove 2_19299024	13.92	proximal promoter
AT5G23260	TRANSPARENT TESTA16 (TT16)	Encodes a MAC 5_7833431	13.89	proximal promoter
AT4G24240	WRKY DNA-BINDING PROTEIN 7 (WRK)	Encodes a Ca-c 4_12573492	13.88	three_prime_UTR
AT1G25570	na	Di-glucose bind 1_8996335	13.87	proximal promoter
AT5G12040	na	Nitrilase/cyanid 5_3888629	13.86	intergenic
AT5G12043	na	This gene encod 5_3888629	13.86	downstream
AT5G12050	na	unknown proteir 5_3888629	13.86	proximal promoter
AT4G23190	CYSTEINE-RICH RLK (RECEPTOR-LIKE	Encodes putativ 4_12143941	13.85	promoter
AT4G23205	na	Unknown gene 4_12143941	13.85	intergenic
AT1G28281	na	unknown proteir 1_9887651	13.84	exon
AT1G28280	na	VQ motif-contai 1_9887651	13.84	promoter
AT4G28230	na	unknown proteir 4_13998495	13.84	proximal promoter
AT4G28240	na	Wound-respons 4_13998495	13.84	promoter
AT2G18780	na	F-box and asso 2_8139645	13.83	proximal promoter
AT3G27210	na	unknown proteir 3_10047464	13.83	promoter
AT2G18790	PHYTOCHROME B (PHYB)	Red/far-red pho 2_8139645	13.83	promoter
AT3G02468	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 3_508613	13.82	promoter
AT3G02460	na	Ypt/Rab-GAP di 3_508613	13.82	downstream
AT3G03702	na	Potential natura 3_915608	13.82	intergenic
AT3G02470	S-ADENOSYLMETHIONINE DECARBOX	Encodes a S-ac 3_508613	13.82	promoter
AT3G03690	UNFERTILIZED EMBRYO SAC 7 (UNE7)	unfertilized emb 3_915608	13.82	proximal promoter
AT5G07180	ERECTA-LIKE 2 (ERL2)	Encodes a rece 5_2233879	13.81	promoter
AT4G38470	SERINE/THREONINE/TYROSINE KINASE	ACT-like proteir 4_17998762	13.81	proximal promoter
AT1G18890	CALCIUM-DEPENDENT PROTEIN KINASE	encodes a calci 1_6528507	13.79	proximal promoter
AT1G18900	na	Pentatricopeptic 1_6528507	13.79	promoter
AT1G77410	BETA-GALACTOSIDASE 16 (BGAL16)	beta-galactosid 1_29093541	13.78	promoter
AT1G66200	GLUTAMINE SYNTHASE CLONE F11 (G	encodes a cytos 1_24654082	13.78	intergenic
AT1G77420	na	alpha/beta-Hydr 1_29093541	13.78	five_prime_UTR
AT1G66190	na	unknown proteir 1_24654082	13.78	promoter
AT1G75700	HVA22-LIKE PROTEIN G (HVA22G)	HVA22-like prot 1_28425785	13.77	intergenic
AT4G35100	PLASMA MEMBRANE INTRINSIC PROTE	a member of the 4_16711084	13.77	intergenic
AT4G03965	na	RING/U-box suj 4_1890262	13.76	three_prime_UTR
AT4G03960	PLANT AND FUNGI ATYPICAL DUAL-SPI	Encodes an aty 4_1890262	13.76	intergenic
AT1G74448	na	unknown proteir 1_27982242	13.75	exon
AT1G74450	na	FUNCTIONS IN 1_27982242	13.75	promoter
AT1G74453	na	snoRNA; snoRN 1_27982242	13.75	intergenic
AT1G74456	na	snoRNA; snoRN 1_27982242	13.75	intergenic
AT5G54930	na	AT hook motif-c 5_22309630	13.75	proximal promoter
AT5G54940	na	Translation initi 5_22309630	13.75	promoter
AT5G54950	na	Aconitase famil 5_22309630	13.75	downstream
AT4G25650	ACD1-LIKE (ACD1-LIKE)	Similar to ACD1 4_13080518	13.73	intergenic
AT4G25640	DETOXIFYING EFFLUX CARRIER 35 (DT	Encodes a multi 4_13080518	13.73	proximal promoter
AT3G13790	(ATBFRUCT1)	Encodes a prote 3_4532432	13.71	intergenic
AT4G37790	(HAT22)	Encodes homec 4_17770783	13.71	intergenic
AT3G25720	na	RNA-directed D 3_9383166	13.7	intergenic

AT1G21000	na	PLATZ transcript 1_7340716	13.68	intergenic
AT5G03350	na	Legume lectin fr 5_816925	13.67	promoter
AT5G03360	na	DC1 domain-co 5_816925	13.67	proximal promoter
AT2G02930	GLUTATHIONE S-TRANSFERASE F3 (G	Encodes glutath 2_854663	13.66	proximal promoter
AT2G02950	PHYTOCHROME KINASE SUBSTRATE 1	Encodes a basi 2_854663	13.66	intergenic
AT3G55560	AT-HOOK PROTEIN OF GA FEEDBACK ;	AT-hook protein 3_20606628	13.62	promoter
AT1G19110	na	inter-alpha-tryps 1_6601874	13.62	promoter
AT1G12440	na	A20/AN1-like zif 1_4243264	13.62	promoter
AT1G12450	na	SNARE associa 1_4243264	13.62	proximal promoter
AT4G30650	na	Low temperatur 4_14955253	13.61	intergenic
AT4G30660	na	Low temperatur 4_14955253	13.61	promoter
AT2G30600	na	BTB/POZ doma 2_13036943	13.6	intron
AT5G04820	OVATE FAMILY PROTEIN 13 (OPF13)	ovate family pro 5_1397816	13.6	proximal promoter
AT4G26690	SHAVEN 3 (SHV3)	Glycerophosph 4_13461049	13.6	proximal promoter
AT5G19110	na	Eukaryotic aspa 5_6414366	13.59	proximal promoter
AT5G19120	na	Eukaryotic aspa 5_6414366	13.59	promoter
AT5G19130	na	GPI transamida 5_6414366	13.59	intergenic
AT2G02070	INDETERMINATE(ID)-DOMAIN 5 (IDD5)	indeterminate(IL 2_509851	13.58	intergenic
AT5G47060	na	Protein of unkn 5_19115671	13.56	proximal promoter
AT5G11230	na	Nucleotide-sug 5_3579913	13.55	proximal promoter
AT1G18310	na	glycosyl hydrola 1_6299115	13.54	intergenic
AT1G18300	NUDIX HYDROLASE HOMOLOG 4 (NUD	nudix hydrolase 1_6299115	13.54	proximal promoter
AT3G49260	IQ-DOMAIN 21 (iqd21)	IQ-domain 21 (i 3_18262385	13.53	promoter
AT5G67020	na	unknown proteir 5_26752854	13.53	intergenic
AT4G36170	na	unknown proteir 4_17119662	13.52	exon
AT4G36180	na	Leucine-rich rec 4_17119662	13.52	intergenic
AT2G33860	ETTIN (ETT)	ettin (ett) mutati 2_14331435	13.51	proximal promoter
AT3G16050	PYRIDOXINE BIOSYNTHESIS 1.2 (PDX1	Encodes a prote 3_5445495	13.51	promoter
AT1G14720	XYLOGLUCAN ENDOTRANGLUCOSYL	member of Glyc 1_5070698	13.51	proximal promoter
AT1G08920	ERD (EARLY RESPONSE TO DEHYDRAT	Encodes ESL1_ 1_2862726	13.5	intergenic
AT1G49560	na	Homeodomain-1 1_18342339	13.5	promoter
AT1G08910	na	FUNCTIONS IN 1_2862726	13.5	intergenic
AT2G26530	(AR781)	unknown funcic 2_11284844	13.48	proximal promoter
AT1G80420	(ATXRCC1)	ATXRCC1; FUN 1_30239120	13.48	proximal promoter
AT1G80430	na	pre-tRNA; tRNA 1_30239120	13.48	intergenic
AT1G80440	na	Galactose oxid 1_30239120	13.48	proximal promoter
AT1G80450	na	VQ motif-contai 1_30239120	13.48	intergenic
AT1G80370	CYCLIN A2;4 (CYCA2;4)	Encodes a A2-t 1_30217121	13.47	intergenic
AT1G80380	na	encodes a glyce 1_30217121	13.47	intron
AT5G15948	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 5_5205321	13.46	proximal promoter
AT5G15950	na	Adenosylmethic 5_5205321	13.46	proximal promoter
AT1G59910	na	Actin-binding Ff 1_22057340	13.45	promoter
AT5G39070	na	transposable elk 5_15641163	13.42	promoter
AT5G39080	na	HXXXD-type ac 5_15641163	13.42	promoter
AT5G39090	na	HXXXD-type ac 5_15641163	13.42	proximal promoter
AT2G47370	na	Calcium-depend 2_19440504	13.42	promoter
AT3G47080	na	Tetratricopeptid 3_17340681	13.38	promoter
AT4G22350	na	Ubiquitin C-terr 4_11807465	13.38	promoter
AT4G22360	na	SWIB complex 1 4_11807465	13.38	promoter
AT2G26730	na	Leucine-rich ref 2_11388427	13.38	five_prime_UTR
AT2G39770	CYTOKINESIS DEFECTIVE 1 (CYT1)	Encodes a GDF 2_16587086	13.37	proximal promoter
AT5G48790	na	FUNCTIONS IN 5_19782634	13.37	proximal promoter
AT1G10030	HOMOLOG OF YEAST ERGOSTEROL28	homolog of yeas 1_3272626	13.33	proximal promoter
AT1G10020	na	Protein of unkn 1_3272626	13.33	proximal promoter
AT1G18670	IMPAIRED IN BABA-INDUCED STERILIT	Encodes a cycli 1_6426801	13.32	downstream
AT1G76490	HYDROXY METHYLGLUTARYL COA REI	Encodes a 3-hy 1_28695866	13.29	exon
AT5G46880	HOMEBOX-7 (HB-7)	homeobox-7 (H 5_19030689	13.27	proximal promoter
AT4G38620	MYB DOMAIN PROTEIN 4 (MYB4)	Encodes a R2R 4_18055572	13.26	intergenic
AT4G38630	REGULATORY PARTICLE NON-ATPASE	Regulatory parti 4_18055572	13.26	intergenic
AT2G45310	UDP-D-GLUCURONATE 4-EPIMERASE 4	UDP-D-glucuroi 2_18681686	13.26	promoter
AT4G14490	na	SMAD/FHA don 4_8333740	13.25	promoter
AT4G14500	na	Polyketide cycle 4_8333740	13.25	promoter
AT5G09620	na	Octicosapeptide 5_2985574	13.25	promoter
AT2G23770	LYSM-CONTAINING RECEPTOR-LIKE Kf	protein kinase fr 2_10119684	13.24	intergenic
AT1G72680	CINNAMYL-ALCOHOL DEHYDROGENAS	cinnamyl-alcohc 1_27363539	13.23	proximal promoter
AT1G23080	PIN-FORMED 7 (PIN7)	Encodes a nove 1_8181446	13.22	intron
AT1G75490	na	encodes a mem 1_28335225	13.21	promoter
AT1G75500	WALLS ARE THIN 1 (WAT1)	An Arabidopsis 1_28335225	13.21	intergenic
AT1G78790	na	unknown proteir 1_29625401	13.2	promoter
AT1G78800	na	UDP-Glycosyltr: 1_29625401	13.2	intergenic
AT3G13320	CATION EXCHANGER 2 (CAX2)	low affinity calci 3_4312394	13.19	proximal promoter
AT3G13310	na	Chaperone Dna 3_4312394	13.19	proximal promoter
AT1G09070	SOYBEAN GENE REGULATED BY COLC	SRC2 specific 1_2926749	13.19	proximal promoter
AT3G13300	VARICOSE (VCS)	Encodes VCS (3_4312394	13.19	intergenic
AT4G37690	na	Galactosyl trans 4_17709293	13.17	exon
AT5G63790	NAC DOMAIN CONTAINING PROTEIN 1C	Encodes a merr 5_25528201	13.17	promoter
AT5G63780	SHOOT APICAL MERISTEM ARREST 1 (	Encodes SHA1 5_25528201	13.17	intergenic
AT1G71960	ATP-BINDING CASSETTE G25 (ABCG25)	Encodes a plasi 1_27088208	13.16	five_prime_UTR
AT1G72970	HOTHEAD (HTH)	Originally identifi 1_27451206	13.16	proximal promoter
AT1G20515	na	Potential natura 1_7106026	13.16	promoter
AT1G20510	OPC-8:0 COA LIGASE1 (OPCL1)	OPC-8:0 CoA li 1_7106026	13.16	promoter
AT1G17200	na	Uncharacterisek 1_5877375	13.15	proximal promoter
AT1G69320	CLAVATA3/ESR-RELATED 10 (CLE10)	Member of a lar 1_26062629	13.13	downstream
AT1G20100	na	unknown proteir 1_6971145	13.13	promoter
AT1G20110	na	RING/FYVE/PH 1_6971145	13.13	promoter
AT2G34710	PHABULOSA (PHB)	Dominant PHB 1_2_14645210	13.13	proximal promoter
AT4G35470	PLANT INTRACELLULAR RAS GROUP-F	Encodes PIRL4 4_16846066	13.13	promoter
AT1G20090	RHO-RELATED PROTEIN FROM PLANT;	Member of the F 1_6971145	13.13	intergenic
AT3G50450	HOMOLOG OF RPW8 1 (HR1)	Homolog of RP1 3_18721686	13.12	proximal promoter
AT3G53420	PLASMA MEMBRANE INTRINSIC PROTE	a member of the 3_19807224	13.12	proximal promoter
AT4G38760	na	Protein of unkn 4_18083173	13.11	intergenic
AT4G38730	na	Protein of unkn 4_18083173	13.11	proximal promoter
AT1G69870	NITRATE TRANSPORTER 1.7 (NRT1.7)	Encodes a low 1_26313328	13.11	proximal promoter
AT4G38740	ROTAMASE CYP 1 (ROC1)	Encodes cytosk 4_18083173	13.11	downstream

AT5G08335	(ATSTE14B)	Encodes an isc	5_2680661	13.1	proximal promoter
AT1G10370	EARLY-RESPONSIVE TO DEHYDRATION	Encodes GSTU	1_3397025	13.1	downstream
AT1G10360	GLUTATHIONE S-TRANSFERASE TAU 1	Encodes glutath	1_3397025	13.1	promoter
AT5G08330	TCP DOMAIN PROTEIN 11 (TCP11)	TCP family tran	5_2680661	13.1	promoter
AT2G34630	GERANYL DIPHOSPHATE SYNTHASE 1	Encodes a gera	2_14578262	13.09	promoter
AT1G55450	na	S-adenosyl-L-m	1_20707005	13.09	promoter
AT1G55460	na	DNA/RNA-bind	1_20707005	13.09	promoter
AT2G34620	na	Mitochondrial tr	2_14578262	13.09	three_prime_UTR
AT5G66650	na	Protein of unkn	5_26604968	13.08	proximal promoter
AT5G57510	na	unknown protei	5_23288656	13.07	intergenic
AT2G01420	PIN-FORMED 4 (PIN4)	Encodes a puta	2_181165	13.07	intron
AT4G22592	CONSERVED PEPTIDE UPSTREAM OPEN READING FRAME	Upstream open	4_11897191	13.05	proximal promoter
AT4G22850	na	SNARE associ	4_11996406	13.05	downstream
AT4G22860	na	Cell cycle regul	4_11996406	13.05	proximal promoter
AT4G22590	TREHALOSE-6-PHOSPHATE PHOSPHATASE 1	Haloacid dehalc	4_11897191	13.05	proximal promoter
AT2G22790	na	unknown protei	2_9696737	13.04	exon
AT2G22795	na	unknown protei	2_9696737	13.04	intergenic
AT5G06980	na	unknown protei	5_2167250	13.04	promoter
AT5G07590	na	Transducin/WD	5_2404074	13.04	promoter
AT4G38430	RHO GUANYL-NUCLEOTIDE EXCHANGE FACTOR 1	Member of the f	4_17986352	13.04	promoter
AT4G15630	na	Uncharacterise	4_8918902	13.02	downstream
AT4G15640	na	unknown protei	4_8918902	13.02	downstream
AT5G01750	na	Protein of unkn	5_291498	13	downstream
AT5G01760	na	ENTH/VHS/GA'	5_291498	13	promoter
AT1G17840	ATP-BINDING CASSETTE G11 (ABCG11)	Encodes a plasi	1_6142423	12.98	promoter
AT4G27765	MICRORNA828A (MIR828A)	Encodes a micr	4_13847222	12.98	downstream
AT3G45780	PHOTOTROPIN 1 (PHOT1)	Blue-light photo	3_16817634	12.95	intron
AT5G54960	PYRUVATE DECARBOXYLASE-2 (PDC2)	pyruvate decar	5_22312985	12.94	promoter
AT5G13110	GLUCOSE-6-PHOSPHATE DEHYDROGENASE 1	Encodes a plasi	5_4156483	12.93	proximal promoter
AT5G13090	na	unknown protei	5_4156483	12.93	proximal promoter
AT5G13100	na	unknown protei	5_4156483	12.93	promoter
AT4G37270	HEAVY METAL ATPASE 1 (HMA1)	Encodes a P1B	4_17539917	12.92	intergenic
AT4G37260	MYB DOMAIN PROTEIN 73 (MYB73)	Member of the f	4_17539917	12.92	proximal promoter
AT1G05710	na	basic helix-loop	1_1713579	12.92	proximal promoter
AT3G17820	GLUTAMINE SYNTHETASE 1.3 (GLN1.3)	encodes a cytos	3_6099885	12.91	intergenic
AT3G17830	na	Molecular chap	3_6099885	12.91	proximal promoter
AT2G32090	na	Lactoylglutathio	2_13645825	12.91	intron
AT2G32100	OVATE FAMILY PROTEIN 16 (OFP16)	ovate family pro	2_13645825	12.91	proximal promoter
AT5G62470	MYB DOMAIN PROTEIN 96 (MYB96)	Encodes a R2R	5_25078229	12.9	intergenic
AT5G62460	na	RING/FYVE/PH	5_25078229	12.9	intergenic
AT4G37070	(PLP1)	Patatin-related	4_17469258	12.89	proximal promoter
AT3G19820	DWARF 1 (DWF1)	Involved in the	3_6884410	12.89	proximal promoter
AT1G10090	na	Early-responsiv	1_3296435	12.89	promoter
AT5G19180	E1 C-TERMINAL RELATED 1 (ECR1)	Encodes a sub	5_6457141	12.88	intergenic
AT3G27050	na	unknown protei	3_9981436	12.88	proximal promoter
AT3G45050	na	unknown protei	3_16475821	12.88	promoter
AT3G45040	na	Encodes a puta	3_16475821	12.88	promoter
AT5G19190	na	unknown protei	5_6457141	12.88	promoter
AT5G19200	TSC10B (TSC10B)	Encodes one of	5_6457141	12.88	proximal promoter
AT3G27060	TSO MEANING 'UGLY' IN CHINESE 2 (TSC10A)	Encodes one of	3_9981436	12.88	promoter
AT1G28010	ATP-BINDING CASSETTE B14 (ABCB14)	Encodes an AT	1_9762341	12.87	proximal promoter
AT1G28007	na	unknown protei	1_9762341	12.87	downstream
AT2G45430	AT-HOOK MOTIF NUCLEAR-LOCALIZED PROTEIN 1	Encodes a nucl	2_18725793	12.86	proximal promoter
AT2G35950	EMBRYO SAC DEVELOPMENT ARREST 1	embryo sac dev	2_15099438	12.85	intergenic
AT5G01950	na	Leucine-rich re	5_370154	12.85	five_prime_UTR
AT5G01960	na	RING/U-box su	5_370154	12.85	promoter
AT1G69930	GLUTATHIONE S-TRANSFERASE TAU 1	Encodes glutath	1_26337411	12.84	downstream
AT1G32230	RADICAL-INDUCED CELL DEATH1 (RCD1)	Encodes a prot	1_11620336	12.84	intergenic
AT3G52850	VACUOLAR SORTING RECEPTOR HOMOLOG 1	Encodes the Va	3_19587539	12.83	promoter
AT4G19020	CHROMOMETHYLASE 2 (CMT2)	chromomethyla	4_10414422	12.82	promoter
AT4G19010	na	AMP-dependen	4_10414422	12.82	promoter
AT4G37250	na	Leucine-rich re	4_17535110	12.82	intergenic
AT5G05140	na	Transcription el	5_1518165	12.82	proximal promoter
AT1G67350	na	unknown protei	1_25234863	12.81	promoter
AT3G17185	TRANS-ACTING SIRNA3 (TAS3)	Encodes a trans	3_5862606	12.81	downstream
AT1G49200	na	RING/U-box su	1_18198019	12.79	promoter
AT5G63520	na	CONTAINS Inte	5_25430699	12.79	proximal promoter
AT4G12420	(SKU5)	Encodes a prot	4_7355324	12.78	proximal promoter
AT4G32160	na	Phox (PX) dom	4_15528664	12.78	promoter
AT2G02700	na	Cysteine/Histid	2_758017	12.78	downstream
AT2G02710	PAS/LOV PROTEIN B (PLPB)	Encodes a puta	2_758017	12.78	intergenic
AT4G32150	VESICLE-ASSOCIATED MEMBRANE PROTEIN 7A	AtVAMP711 is	4_15528664	12.78	proximal promoter
AT1G22767	na	unknown protei	1_8060883	12.76	downstream
AT2G44120	na	Ribosomal prot	2_18252677	12.75	proximal promoter
AT2G44130	na	Galactose oxid	2_18252677	12.75	proximal promoter
AT2G44140	na	Peptidase fami	2_18252677	12.75	intergenic
AT5G65470	na	O-fucosyltrans	5_26172047	12.75	promoter
AT1G76620	na	Protein of unkn	1_28755050	12.74	proximal promoter
AT5G14710	na	CONTAINS Inte	5_4746051	12.74	promoter
AT3G48690	(CXE12)	Encodes a prot	3_18038273	12.73	promoter
AT1G25220	ANTHRANILATE SYNTHASE BETA SUBUNIT 1	Catalyzes the f	1_8839661	12.73	promoter
AT3G23160	na	Protein of unkn	3_8259623	12.73	downstream
AT5G66080	na	Protein phosph	5_26425472	12.72	promoter
AT5G66090	na	unknown protei	5_26425472	12.72	promoter
AT5G11090	na	serine-rich prote	5_3529607	12.72	intergenic
AT2G17470	ALUMINIUM ACTIVATED MALATE TRANSPORTER 1	Encodess ALM'	2_7588262	12.71	promoter
AT2G46530	AUXIN RESPONSE FACTOR 11 (ARF11)	auxin response	2_19101070	12.71	intergenic
AT2G46520	na	cellular apopto	2_19101070	12.71	intergenic
AT2G33400	na	unknown protei	2_14154592	12.7	promoter
AT1G75220	ERD6-LIKE 6 (ERDL6)	Encodes a vacc	1_28233750	12.67	proximal promoter
AT1G75230	na	DNA glycosylas	1_28233750	12.67	proximal promoter
AT1G77200	na	encodes a mem	1_29005249	12.67	promoter
AT2G42620	MORE AXILLARY BRANCHES 2 (MAX2)	The mutations	2_17752363	12.62	intergenic
AT5G02260	EXPANSIN A9 (EXPA9)	member of Alph	5_461522	12.61	proximal promoter

AT4G15233	ATP-BINDING CASSETTE G42 (ABCG42)	ABC-2 and Plar 4_8687760	12.59	proximal promoter
AT1G02210	na	NAC (No Apical 1_426662	12.58	intergenic
AT4G11230	na	Riboflavin synth 4_6839856	12.55	intergenic
AT4G11220	VIRB2-INTERACTING PROTEIN 2 (BTI2)	VIRB2-interactir 4_6839856	12.55	promoter
AT5G20110	na	Dynein light cha 5_6791960	12.54	intron
AT3G02130	RECEPTOR-LIKE PROTEIN KINASE 2 (R	Encodes a rece 3_387499	12.54	intergenic
AT3G02140	TWO OR MORE ABRES-CONTAINING G	Encodes a prot 3_387499	12.54	proximal promoter
AT1G70610	ATP-BINDING CASSETTE B26 (ABCB26)	member of TAP 1_26621868	12.53	promoter
AT1G70600	na	Ribosomal prote 1_26621868	12.53	promoter
AT5G40900	na	Nucleotide-diph 5_16388721	12.52	intergenic
AT5G08530	51 KDA SUBUNIT OF COMPLEX I (CI51)	51 kDa subunit 5_2758971	12.5	intergenic
AT5G09810	ACTIN 7 (ACT7)	Member of Actir 5_3051924	12.5	promoter
AT1G14440	HOMEODOMAIN PROTEIN 31 (HB31)	homeobox prote 1_4941390	12.5	promoter
AT5G13220	JASMONATE-ZIM-DOMAIN PROTEIN 10	Plants overexpr 5_4217397	12.5	proximal promoter
AT5G08520	na	Duplicated hom 5_2758971	12.5	proximal promoter
AT4G16430	na	basic helix-loop 4_9267446	12.49	five_prime_UTR
AT5G07030	na	Eukaryotic aspa 5_2184727	12.48	intron
AT1G75710	na	C2H2-like zinc f 1_28430315	12.48	intron
AT5G36250	PP2C74, PROTEIN PHOSPHATASE 2C 7	Encodes a myri 5_14281583	12.48	proximal promoter
AT5G59820	RESPONSIVE TO HIGH LIGHT 41 (RHL4)	Encodes a zinc 5_24102895	12.45	promoter
AT2G16280	3-KETOACYL-COA SYNTHASE 9 (KCS9)	Encodes KCS9, 2_7050710	12.44	promoter
AT3G29575	ABI FIVE BINDING PROTEIN 3 (AFP3)	ABI five binding 3_11384223	12.43	promoter
AT3G50790	na	esterase/lipase/ 3_18882183	12.43	promoter
AT3G50800	na	unknown proteir 3_18882183	12.43	downstream
AT5G15440	EID1-LIKE 1 (EDL1)	EID1-like 1 (EDI 5_5011937	12.42	promoter
AT5G15430	na	Plant calmodulir 5_5011937	12.42	downstream
AT4G21850	METHIONINE SULFOXIDE REDUCTASE	methionine sulfc 4_11595039	12.41	proximal promoter
AT2G46150	na	Late embryoger 2_18965133	12.4	intergenic
AT2G46160	na	RING/U-box suj 2_18965133	12.4	intergenic
AT2G46170	na	Reticulon family 2_18965133	12.4	promoter
AT4G32800	na	encodes a mem 4_15817641	12.4	proximal promoter
AT1G64380	na	encodes a mem 1_23895854	12.4	intergenic
AT1G21130	INDOLE GLUCOSINOLATE O-METHYLTI	O-methyltransfe 1_7401346	12.39	proximal promoter
AT1G06360	na	Fatty acid desat 1_1938757	12.39	downstream
AT4G30400	na	RING/U-box suj 4_14869239	12.39	intergenic
AT4G30410	na	sequence-speci 4_14869239	12.39	intergenic
AT4G36648	na	Unknown gene 4_17282972	12.39	promoter
AT2G30500	NETWORKED 4B (NET4B)	Kinase interacti 2_13000652	12.39	promoter
AT4G36650	PLANT-SPECIFIC TFIIIB-RELATED PROT	Encodes a prote 4_17282972	12.39	downstream
AT1G68530	3-KETOACYL-COA SYNTHASE 6 (KCS6)	Encodes KCS6, 1_25714988	12.38	promoter
AT5G45428	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 5_18407348	12.38	promoter
AT5G65430	GENERAL REGULATORY FACTOR 8 (Gl	member of 14-3 5_26150535	12.38	promoter
AT2G47730	GLUTATHIONE S-TRANSFERASE PHI 8	Encodes glutatf 2_19558135	12.38	five_prime_UTR
AT5G65440	na	unknown proteir 5_26150535	12.38	proximal promoter
AT5G45430	na	Protein kinase s 5_18407348	12.38	intron
AT1G68520	na	B-box type zinc 1_25714988	12.38	intergenic
AT1G68526	na	unknown proteir 1_25714988	12.38	proximal promoter
AT2G47740	na	pre-tRNA; tRNA 2_19558135	12.38	intergenic
AT5G51330	SWITCH1 (SW11)	Encodes novel 1_5_20862064	12.38	promoter
AT1G56590	ZIG SUPPRESSOR 4 (ZIP4)	Involved in vesi 1_21205420	12.38	proximal promoter
AT1G15340	METHYL-CPG-BINDING DOMAIN 10 (MB	Protein containi 1_5277789	12.37	promoter
AT3G11760	na	unknown proteir 3_3717958	12.37	promoter
AT4G02100	na	Heat shock prot 4_930012	12.34	promoter
AT3G61460	BRASSINOSTEROID-RESPONSIVE RINC	Encodes a nove 3_22742484	12.33	promoter
AT3G25870	na	unknown proteir 3_9464284	12.33	promoter
AT3G61470	PHOTOSYSTEM I LIGHT HARVESTING C	Encodes a com 3_22742484	12.33	intergenic
AT3G14560	na	unknown proteir 3_4889134	12.32	five_prime_UTR
AT5G01810	CBL-INTERACTING PROTEIN KINASE 15	Encodes a CBL 5_308967	12.3	promoter
AT2G28405	LOW-MOLECULAR-WEIGHT CYSTEINE-	Encodes a merr 2_12152460	12.3	intergenic
AT5G01800	na	saposisin B doma 5_308967	12.3	downstream
AT2G22900	na	Galactosyl trans 2_9746494	12.3	promoter
AT3G62700	ATP-BINDING CASSETTE C14 (ABCC14)	member of MRF 3_23196160	12.27	promoter
AT1G44760	na	Adenine nucleoi 1_16900935	12.27	proximal promoter
AT3G26740	CCR-LIKE (CCL)	transcripts are 3_9827547	12.26	promoter
AT3G26730	na	RING/U-box suj 3_9827547	12.26	downstream
AT4G26080	ABA INSENSITIVE 1 (ABI1)	Involved in absc 4_13222036	12.25	five_prime_UTR
AT2G01560	na	Plant protein 15 2_252971	12.25	proximal promoter
AT3G60520	na	unknown proteir 3_22367504	12.25	intergenic
AT4G26095	na	Potential natura 4_13222036	12.25	intergenic
AT2G38310	PYR1-LIKE 4 (PYL4)	Encodes a merr 2_16051882	12.25	intergenic
AT4G26090	RESISTANT TO P. SYRINGAE 2 (RPS2)	Encodes a plasi 4_13222036	12.25	proximal promoter
AT3G05937	na	unknown proteir 3_1776681	12.24	five_prime_UTR
AT4G35060	HEAVY METAL ASSOCIATED ISOPRENE	Heavy metal tra 4_16689679	12.22	proximal promoter
AT5G26660	MYB DOMAIN PROTEIN 86 (MYB86)	myb domain prc 5_9327689	12.22	intergenic
AT4G30610	BRI1 SUPPRESSOR 1 (BRS1)	Encodes a secr 4_14943939	12.21	promoter
AT2G20580	26S PROTEASOME REGULATORY SUBI	encoding the Rf 2_8858160	12.2	proximal promoter
AT2G20570	GBF'S PRO-RICH REGION-INTERACTIN	Encodes GLK1, 2_8858160	12.2	intergenic
AT1G04130	TETRATRIPEPTIDE REPEAT 2 (TPR2)	Encodes one of 1_1073135	12.2	promoter
AT4G39800	D-MYO-INOSITOL 3-PHOSPHATE SYNTI	** Referred to a: 4_18472290	12.19	promoter
AT3G50780	na	BEST Arabidop: 3_18877759	12.19	promoter
AT3G18930	na	RING/U-box suj 3_6526533	12.18	proximal promoter
AT3G18940	na	ciast3-related; C 3_6526533	12.18	intergenic
AT4G18670	na	Leucine-rich re: 4_10275339	12.17	downstream
AT4G18660	na	unknown proteir 4_10275339	12.17	intergenic
AT3G23230	TRANSCRIPTIONAL REGULATOR OF DI	encodes a mem 3_8290210	12.17	promoter
AT2G38000	na	chaperone prote 2_15905553	12.16	promoter
AT1G79120	na	Ubiquitin carbox 1_29766788	12.16	three_prime_UTR
AT1G28280	na	VQ motif-contai 1_9884921	12.16	intergenic
AT2G28550	RELATED TO AP2.7 (RAP2.7)	related to AP2.7 2_12230378	12.16	proximal promoter
AT1G25560	TEMPRANILLO 1 (TEM1)	Encodes a merr 1_8983771	12.16	proximal promoter
AT4G13840	na	HXXXD-type ac 4_8015407	12.15	intron
AT3G55980	SALT-INDUCIBLE ZINC FINGER 1 (SZF1	salt-inducible zii 3_20775804	12.15	promoter
AT5G19290	na	alpha/beta-Hydr 5_6494001	12.14	promoter
AT5G19300	na	CONTAINS Inte 5_6494001	12.14	proximal promoter

AT1G50450	na	Saccharopine d 1_18690853	12.13	promoter
AT5G28040	na	DNA-binding str 5_10039158	12.12	promoter
AT1G66173	na	other RNA 1_24644808	12.11	intergenic
AT3G51890	na	Clathrin light ch: 3_19251065	12.1	promoter
AT3G51895	SULFATE TRANSPORTER 3;1 (SULTR3;	Encodes a sulfa 3_19251065	12.1	downstream
AT1G17140	INTERACTOR OF CONSTITUTIVE ACTIV	Encodes a ROF 1_5859863	12.09	proximal promoter
AT3G50665	na	pre-tRNA; tRNA 3_18822067	12.09	intergenic
AT1G17145	na	RING/U-box suj 1_5859863	12.09	intergenic
AT3G46630	na	Protein of unknc 3_17182718	12.09	promoter
AT3G46640	PHYTOCLOCK 1 (PCL1)	Encodes a myb 3_17182718	12.09	promoter
AT5G13220	JASMONATE-ZIM-DOMAIN PROTEIN 10	Plants overexpr 5_4220715	12.08	three_prime_UTR
AT1G78020	na	Protein of unknc 1_29336682	12.08	proximal promoter
AT1G78010	na	tRNA modificati 1_29336682	12.08	downstream
AT5G13225	na	snoRNA; snoRt 5_4220715	12.08	intergenic
AT5G13230	na	Tetratricopeptid 5_4220715	12.08	proximal promoter
AT4G30950	FATTY ACID DESATURASE 6 (FAD6)	Chloroplastic er 4_15061714	12.07	proximal promoter
AT4G40030	na	Histone superfa 4_18558976	12.07	proximal promoter
AT4G40040	na	Histone superfa 4_18558976	12.07	promoter
AT4G40042	na	Microsomal sigr 4_18558976	12.07	promoter
AT4G36220	FERULIC ACID 5-HYDROXYLASE 1 (FAH	encodes ferulat 4_17136220	12.06	intergenic
AT5G28840	GDP-D-MANNOSE 3',5'-EPIMERASE (GM	Encodes a prot 5_10862213	12.06	three_prime_UTR
AT1G69690	TEOSINTE BRANCHED1/CYCLOIDEA/PC	ATTCP15 is invc 1_26215708	12.06	proximal promoter
AT2G30580	DREB2A-INTERACTING PROTEIN 2 (DRI	Encodes a C3H 2_13030644	12.05	three_prime_UTR
AT5G52520	OVULE ABORTION 6 (OVA6)	OVULE ABORT 5_21310356	12.05	proximal promoter
AT2G30590	WRKY DNA-BINDING PROTEIN 21 (WRK	Encodes WRKY 2_13030644	12.05	proximal promoter
AT3G13810	INDETERMINATE(ID)-DOMAIN 11 (IDD11	indeterminate(IL 3_4541652	12.04	proximal promoter
AT3G26450	na	Polyketide cycl 3_9681760	12.04	exon
AT3G26460	na	Polyketide cycl 3_9681760	12.04	intergenic
AT3G13800	na	Metallo-hydrola: 3_4541652	12.04	downstream
AT4G27870	na	Vacuolar iron tr: 4_13878143	12.04	proximal promoter
AT3G61880	CYTOCHROME P450 78A9 (CYP78A9)	Encodes a cyto 3_22910817	12.02	proximal promoter
AT4G30350	na	Double Clp-N m 4_14846146	12.02	proximal promoter
AT2G46500	PHOSPHOINOSITIDE 4-KINASE GAMMA	Phosphoinositid 2_19089095	12.02	promoter
AT2G44480	BETA GLUCOSIDASE 17 (BGLU17)	beta glucosidas 2_18363781	12.01	intergenic
AT1G79910	na	Regulator of Vp 1_30054546	12.01	promoter
AT2G44490	PENETRATION 2 (PEN2)	Encodes a glycc 2_18363781	12.01	proximal promoter
AT5G62130	na	Per1-like family 5_24953167	12	five_prime_UTR
AT5G62140	na	unknown proteir 5_24953167	12	intergenic
AT1G57680	CANDIDATE G-PROTEIN COUPLED REC	FUNCTIONS IN 1_21364771	11.99	promoter
AT3G60530	GATA TRANSCRIPTION FACTOR 4 (GAT1	Encodes a merr 3_22374349	11.98	three_prime_UTR
AT3G46630	na	Protein of unknc 3_17180189	11.98	intergenic
AT3G60540	na	Preprotein trans 3_22374349	11.98	intergenic
AT3G46620	RING AND DOMAIN OF UNKNOWN FUN	Encodes an AB_3_17180189	11.98	promoter
AT1G72150	PATELLIN 1 (PATL1)	novel cell-plate- 1_27152645	11.97	intergenic
AT1G01480	1-AMINO-CYCLOPROPANE-1-CARBOXY	a member of the 1_174799	11.96	proximal promoter
AT4G36870	BEL1-LIKE HOMEODOMAIN 2 (BLH2)	Encodes a merr 4_17367046	11.96	proximal promoter
AT2G01905	CYCLIN J18 (CYCJ18)	cyclin J18 (cycJ 2_412371	11.96	intron
AT3G53720	CATION/H+ EXCHANGER 20 (CHX20)	member of Puta 3_19910560	11.95	promoter
AT3G59884	MICRORNA827A (MIR827A)	Encodes a micr 3_22122183	11.95	intergenic
AT3G59880	na	unknown proteir 3_22122183	11.95	intergenic
AT1G76560	CP12 DOMAIN-CONTAINING PROTEIN 3	CP12 domain-c 1_28728160	11.94	promoter
AT1G76550	na	Phosphofructok 1_28728160	11.94	proximal promoter
AT1G76570	na	Chlorophyll A-B 1_28728160	11.94	proximal promoter
AT3G62630	na	Protein of unknc 3_23166189	11.91	proximal promoter
AT3G62640	na	Protein of unknc 3_23166189	11.91	downstream
AT2G35950	EMBRYO SAC DEVELOPMENT ARREST	embryo sac dev 2_15104557	11.9	promoter
AT2G26650	K+ TRANSPORTER 1 (KT1)	Encodes AKT1, 2_11336699	11.9	promoter
AT1G01471	na	unknown proteir 1_173476	11.9	downstream
AT1G03457	na	RNA-binding (R 1_865309	11.89	proximal promoter
AT3G45775	na	transposable elk 3_16815246	11.89	proximal promoter
AT1G03470	NETWORKED 3A (NET3A)	Encodes a merr 1_865309	11.89	intergenic
AT1G04240	SHORT HYPOCOTYL 2 (SHY2)	SHY2/IAA3 reg: 1_1129603	11.89	promoter
AT5G20250	DARK INDUCIBLE 10 (DIN10)	encodes a mem 5_6832522	11.88	proximal promoter
AT4G22820	na	A20/AN1-like zir 4_11986618	11.88	intergenic
AT2G05518	na	Unknown gene 2_2024145	11.88	downstream
AT1G76954	na	Encodes a defe 1_28917042	11.88	intergenic
AT5G20260	na	Exostosin family 5_6832522	11.88	intergenic
AT4G33220	PECTIN METHYLESTERASE 44 (PME44)	pectin methyles 4_16024277	11.88	intron
AT3G28910	MYB DOMAIN PROTEIN 30 (MYB30)	transcription fac 3_10910978	11.87	promoter
AT4G27652	na	unknown proteir 4_13812957	11.87	intergenic
AT4G27654	na	unknown proteir 4_13812957	11.87	intergenic
AT4G27657	na	unknown proteir 4_13812957	11.87	promoter
AT1G27213	na	unknown proteir 1_9459288	11.85	intergenic
AT5G16370	ACYL ACTIVATING ENZYME 5 (AAE5)	acyl activating e 5_5359091	11.84	proximal promoter
AT1G11000	MILDEW RESISTANCE LOCUS O 4 (MLC	A member of a 1_13676163	11.84	promoter
AT5G16380	na	Protein of unknc 5_5359091	11.84	intergenic
AT5G16375	na	pre-tRNA; tRNA 5_5359091	11.84	downstream
AT2G32970	na	unknown proteir 2_13996460	11.84	proximal promoter
AT1G11010	na	pre-tRNA; tRNA 1_3676163	11.84	promoter
AT1G11020	na	RING/FYVE/PH 1_3676163	11.84	proximal promoter
AT1G49730	na	Protein kinase s 1_18406362	11.84	proximal promoter
AT1G49740	na	PLC-like phospl 1_18406362	11.84	proximal promoter
AT4G29140	ACTIVATED DISEASE SUSCEPTIBILITY	Encodes Activa 4_14364290	11.83	intergenic
AT4G22570	ADENINE PHOSPHORIBOSYL TRANSFE	Encodes an ade 4_11882459	11.83	intron
AT4G22560	na	unknown proteir 4_11882459	11.83	intergenic
AT5G28300	na	Duplicated hom 5_10297187	11.82	proximal promoter
AT4G19390	na	Uncharacteriser 4_10574996	11.82	exon
AT3G61630	CYTOKININ RESPONSE FACTOR 6 (CRI	CRF6 encodes 3_22804677	11.81	proximal promoter
AT3G50480	HOMOLOG OF RPW8 4 (HR4)	Homolog of RP1 3_18731401	11.81	proximal promoter
AT2G38040	ACETYL CO-ENZYME A CARBOXYLASE	encodes the cai 2_15917034	11.79	promoter
AT2G38025	na	Cysteine proteir 2_15917034	11.79	promoter
AT2G38030	na	pre-tRNA; tRNA 2_15917034	11.79	downstream
AT5G49090	na	transposable elk 5_19895683	11.79	proximal promoter
AT5G52900	MEMBRANE-ASSOCIATED KINASE REG	Encodes a merr 5_21454509	11.78	proximal promoter

AT5G52901	na	This gene encodes	5_21454509	11.78	exon
AT5G24300	STARCH SYNTHASE 1 (SS1)	SSI is a plastidic	5_8266403	11.78	promoter
AT1G22380	UDP-GLUCOSYL TRANSFERASE 85A3	Encodes a puta	1_7900123	11.78	intergenic
AT1G22370	UDP-GLUCOSYL TRANSFERASE 85A5	UDP-glucosyl tr	1_7900123	11.78	promoter
AT1G44760	na	Adenine nucleoi	1_16897055	11.77	intron
AT5G54770	(TH11)	Encodes a thiar	5_22245972	11.76	proximal promoter
AT1G17620	na	Late embryoger	1_6062083	11.76	promoter
AT5G54760	na	Translation initi	5_22245972	11.76	downstream
AT3G22380	TIME FOR COFFEE (TIC)	Encodes a nucl	3_7910149	11.76	proximal promoter
AT5G04530	3-KETOACYL-COA SYNTHASE 19 (KCS1)	Encodes KCS1!	5_1291829	11.75	three_prime_UTR
AT3G23440	EMBRYO SAC DEVELOPMENT ARREST	EMBRYO SAC	3_8404657	11.75	exon
AT4G05010	F-BOX STRESS INDUCED 3 (FBS3)	F-box family prc	4_2567109	11.75	promoter
AT5G04520	na	Protein of unkn	5_1291829	11.75	proximal promoter
AT4G17453	na	This gene encod	4_9738140	11.73	exon
AT4G39900	na	unknown protei	4_18511229	11.73	proximal promoter
AT1G76940	na	RNA-binding (R	1_28904459	11.72	promoter
AT2G14210	AGAMOUS-LIKE 44 (AGL44)	MADS box gen	2_6018287	11.71	promoter
AT1G71710	na	DNase I-like su	1_26980938	11.7	intron
AT4G38660	na	Pathogenesis-rr	4_18066046	11.7	downstream
AT4G38650	na	Glycosyl hydrok	4_18066046	11.7	downstream
AT1G53840	PECTIN METHYLESTERASE 1 (PME1)	encodes a pecti	1_20101156	11.7	promoter
AT1G53830	PECTIN METHYLESTERASE 2 (PME2)	encodes a pecti	1_20101156	11.7	intergenic
AT3G47600	MYB DOMAIN PROTEIN 94 (MYB94)	Encodes a puta	3_17541503	11.69	promoter
AT5G37980	na	Zinc-binding del	5_15129092	11.69	proximal promoter
AT4G27270	na	Quinone reduct	4_13664359	11.69	proximal promoter
AT4G27280	na	Calcium-binding	4_13664359	11.69	promoter
AT5G43760	3-KETOACYL-COA SYNTHASE 20 (KCS2)	Encodes KCS2!	5_17587121	11.68	intron
AT3G26200	CYTOCHROME P450, FAMILY 71, SUBF	putative cytochr	3_9591889	11.68	intergenic
AT3G26210	CYTOCHROME P450, FAMILY 71, SUBF	putative cytochr	3_9591889	11.68	intergenic
AT2G45820	na	Remorin family	1_2_18864742	11.68	promoter
AT2G45810	na	DEA(D/H)-box f	2_18864742	11.68	intergenic
AT5G43770	na	proline-rich fami	5_17587121	11.68	proximal promoter
AT1G26945	KIDARI (KDR)	Encodes a basi	1_9351989	11.67	intron
AT4G22550	LIPID PHOSPHATE PHOSPHATASE BET	Phosphatidic ac	4_11879644	11.67	proximal promoter
AT3G06670	na	binding; FUNCT	3_2113663	11.67	intron
AT2G18969	na	Encodes a atyp	2_8230406	11.67	proximal promoter
AT4G22560	na	unknown protei	4_11879644	11.67	promoter
AT5G52280	na	Myosin heavy c	5_21226218	11.66	proximal promoter
AT1G48330	na	unknown protei	1_17863601	11.65	promoter
AT2G22990	SINAPOYLGLUCOSE 1 (SNG1)	sinapoylglucose	2_9784649	11.65	proximal promoter
AT1G22640	MYB DOMAIN PROTEIN 3 (MYB3)	MYB-type trans	1_8006009	11.63	promoter
AT1G61890	na	MATE efflux fan	1_22877575	11.62	intergenic
AT3G61260	na	Remorin family	1_2_2677125	11.62	promoter
AT2G14890	ARABINOGALACTAN PROTEIN 9 (AGP9)	putative proline-	2_6400428	11.61	intron
AT4G23060	IQ-DOMAIN 22 (IQD22)	IQ-domain 22 (I	4_12086816	11.61	promoter
AT3G52105	na	unknown protei	3_19323104	11.61	promoter
AT3G52100	na	RING/FYVE/PH	3_19323104	11.61	intergenic
AT3G52110	na	unknown protei	3_19323104	11.61	intergenic
AT1G77800	na	PHD finger fami	1_29253226	11.6	promoter
AT1G72610	GERMIN-LIKE PROTEIN 1 (GER1)	germin-like prot	1_27340540	11.58	promoter
AT2G43540	na	unknown protei	2_18073062	11.58	downstream
AT2G43550	na	Encodes a defe	2_18073062	11.58	promoter
AT1G72600	na	hydroxyproline-	1_27340540	11.58	downstream
AT3G12600	NUDIX HYDROLASE HOMOLOG 16 (NUI	nudix hydrolase	3_4004418	11.58	promoter
AT3G23030	INDOLE-3-ACETIC ACID INDUCIBLE 2 (I	auxin inducible	3_8181920	11.57	promoter
AT3G55734	MICRORNA393B (MIR393B)	Encodes a micr	3_20685363	11.57	intergenic
AT3G55730	MYB DOMAIN PROTEIN 109 (MYB109)	putative transcr	3_20685363	11.57	proximal promoter
AT3G10015	na	pre-tRNA; tRNA	3_3090080	11.57	promoter
AT3G10020	na	unknown protei	3_3090080	11.57	intergenic
AT3G10030	na	aspartate/glutar	3_3090080	11.57	intergenic
AT4G37290	na	unknown protei	4_17550421	11.57	promoter
AT2G26710	PHYB ACTIVATION TAGGED SUPPRESS	Encodes a merr	2_11374516	11.56	intergenic
AT1G51690	PROTEIN PHOSPHATASE 2A 55 KDa RE	55 kDa B regula	1_19162496	11.56	proximal promoter
AT5G01810	CBL-INTERACTING PROTEIN KINASE 1	Encodes a CBL	5_312333	11.54	intergenic
AT5G01820	SERINE/THREONINE PROTEIN KINASE	Encodes a CBL	5_312333	11.54	intergenic
AT5G41760	na	Nucleotide-sug	5_16710547	11.53	intergenic
AT5G41761	na	unknown protei	5_16710547	11.53	proximal promoter
AT1G02880	THIAMIN PYROPHOSPHOKINASE 1 (TPK	Encodes a thiar	1_644647	11.53	intron
AT1G70520	CYSTEINE-RICH RLK (RECEPTOR-LIKE	Encodes a cystr	1_26587613	11.51	promoter
AT1G70530	CYSTEINE-RICH RLK (RECEPTOR-LIKE	Encodes a cystr	1_26587613	11.51	intergenic
AT5G63340	na	unknown protei	5_25379592	11.51	intron
AT5G63350	na	unknown protei	5_25379592	11.51	intergenic
AT5G63320	NUCLEAR PROTEIN X1 (NPX1)	Encodes NPX1	5_25379592	11.51	promoter
AT4G21750	MERISTEM LAYER 1 (ATML1)	Encodes a hom	4_11555160	11.5	promoter
AT2G23290	MYB DOMAIN PROTEIN 70 (MYB70)	Member of the F	2_9908492	11.5	proximal promoter
AT2G22180	na	hydroxyproline-	2_9428129	11.5	proximal promoter
AT2G22760	na	basic helix-loop	2_9680404	11.5	intergenic
AT4G25030	na	unknown protei	4_12864495	11.5	promoter
AT5G47190	na	Ribosomal prote	5_19163888	11.5	intergenic
AT5G47180	na	Plant VAMP (ve	5_19163888	11.5	promoter
AT2G22170	PLAT DOMAIN PROTEIN 2 (PLAT2)	Lipase/lipoxoyg	2_9428129	11.5	promoter
AT4G00740	QUASIMODO 3 (QUA3)	Encodes a Gol	4_311799	11.5	proximal promoter
AT5G04530	3-KETOACYL-COA SYNTHASE 19 (KCS1)	Encodes KCS1!	5_1296269	11.49	proximal promoter
AT3G52910	GROWTH-REGULATING FACTOR 4 (GR	Growth regulatr	3_19621290	11.49	proximal promoter
AT5G04540	MYOTUBULARIN 2 (MTM2)	Myotubularin-lik	5_1296269	11.49	downstream
AT4G21510	F-BOX STRESS INDUCED 2 (FBS2)	F-box family prc	4_11447252	11.48	promoter
AT5G44060	na	unknown protei	5_17731596	11.48	exon
AT5G44065	na	This gene encod	5_17731596	11.48	proximal promoter
AT4G21520	na	Transducin/W	4_11447252	11.48	downstream
AT1G80290	na	a member of the	1_30190331	11.47	intergenic
AT1G80300	NUCLEOTIDE TRANSPORTER 1 (NTT1)	Encodes an AT	1_30190331	11.47	proximal promoter
AT1G70940	PIN-FORMED 3 (PIN3)	A regulator of ai	1_26745163	11.47	intron
AT1G23490	ADP-RIBOSYLATION FACTOR 1 (ARF1)	Gene encoding	1_8336570	11.45	promoter
AT1G23480	CELLULOSE SYNTHASE-LIKE A3 (CSLA	encodes a gene	1_8336570	11.45	downstream

AT1G32230	RADICAL-INDUCED CELL DEATH1 (RCC	Encodes a prot	1_11612000	11.45	promoter
AT4G23630	VIRB2-INTERACTING PROTEIN 1 (BT1)	VIRB2-interactir	4_12317748	11.45	five_prime_UTR
AT2G46250	na	myosin heavy c	2_18990331	11.42	proximal promoter
AT2G41110	CALMODULIN 2 (CAM2)	Encodes a touc	2_17140125	11.41	promoter
AT2G41090	na	Calcium-binding	2_17140125	11.41	intergenic
AT1G62030	na	Cysteine/Histidi	1_22926788	11.41	promoter
AT2G41100	TOUCH 3 (TCH3)	encodes a calm	2_17140125	11.41	intergenic
AT5G07440	GLUTAMATE DEHYDROGENASE 2 (GDH)	Encodes the be	5_2354799	11.4	proximal promoter
AT2G20930	na	SNARE-like su	2_9002968	11.4	proximal promoter
AT2G20940	na	Protein of unkn	2_9002968	11.4	promoter
AT2G20950	na	Arabidopsis ph	2_9002968	11.4	promoter
AT5G57565	na	Protein kinase	5_23308263	11.4	proximal promoter
AT5G57560	TOUCH 4 (TCH4)	Encodes a cell	5_23308263	11.4	five_prime_UTR
AT5G57550	XYLOGLUCAN ENDOTRANSGLUCOSYL	xyloglucan end	5_23308263	11.4	proximal promoter
AT2G30990	na	Protein of unkn	2_13191714	11.39	proximal promoter
AT5G52930	na	Protein of unkn	5_21470126	11.39	promoter
AT2G26700	PINOID2 (PID2)	Encodes PID2,	2_11368395	11.39	promoter
AT3G48050	'SHUTTLE' IN CHINESE (SUO)	Encodes a larg	3_17739865	11.38	promoter
AT1G13250	GALACTURONOSYLTRANSFERASE-LIK	Encodes a prote	1_4526183	11.38	intergenic
AT4G32020	na	unknown protei	4_15492009	11.38	intergenic
AT4G32030	na	unknown protei	4_15492009	11.38	intron
AT2G20670	na	Protein of unkn	2_8913638	11.38	promoter
AT1G13240	na	pre-tRNA; tRNA	1_4526183	11.38	intergenic
AT1G13230	na	Encodes a leuci	1_4526183	11.38	intergenic
AT1G13245	ROTUNDIFOLIA LIKE 17 (RTFL17)	ROTUNDIFOLI	1_4526183	11.38	promoter
AT4G24790	na	AAA-type ATPa	4_12775630	11.37	proximal promoter
AT2G20080	na	unknown protei	2_8668371	11.35	intergenic
AT2G29550	TUBULIN BETA-7 CHAIN (TUB7)	Encodes a beta	2_12646303	11.35	promoter
AT4G23670	na	Polyketide cycl	4_12334902	11.34	proximal promoter
AT5G16830	SYNTAXIN OF PLANTS 21 (SYP21)	member of SYP	5_5535382	11.34	promoter
AT4G21860	METHIONINE SULFOXIDE REDUCTASE	methionine sulf	4_11601748	11.33	promoter
AT1G69570	na	Dof-type zinc fir	1_26164539	11.33	proximal promoter
AT1G28680	na	HXXXD-type ac	1_10078166	11.33	promoter
AT1G28685	na	Potential natura	1_10078166	11.33	exon
AT1G72810	na	Pyridoxal-5'-ph	1_27402328	11.33	proximal promoter
AT1G72820	na	Mitochondrial st	1_27402328	11.33	proximal promoter
AT4G21865	na	unknown protei	4_11601748	11.33	promoter
AT5G04550	na	Protein of unkn	5_1306087	11.33	five_prime_UTR
AT1G29450	na	SAUR-like auxi	1_10305510	11.32	intergenic
AT1G29440	SMALL AUXIN UP RNA 63 (SAUR63)	SAUR-like auxi	1_10305510	11.32	promoter
AT5G63160	BTB AND TAZ DOMAIN PROTEIN 1 (bt1)	BTB and TAZ di	5_25336960	11.31	proximal promoter
AT1G54050	na	HSP20-like chai	1_20178016	11.31	intergenic
AT5G63168	na	unknown protei	5_25336960	11.31	intergenic
AT3G16570	RAPID ALKALINIZATION FACTOR 23 (R)	Encodes RALF	3_5646160	11.31	intergenic
AT1G01950	ARMADILLO REPEAT KINESIN 2 (ARK2)	Encodes a merr	1_325166	11.3	promoter
AT2G24580	na	FAD-dependent	2_10446279	11.3	promoter
AT2G38304	na	unknown protei	2_16047128	11.3	intergenic
AT2G21300	na	ATP binding mic	2_9119981	11.3	promoter
AT5G08075	na	pre-tRNA; tRNA	5_2588093	11.29	promoter
AT5G08080	SYNTAXIN OF PLANTS 132 (SYP132)	member of SYP	5_2588093	11.29	promoter
AT2G37678	FAR-RED ELONGATED HYPOCOTYL 1 (	Positive regulat	2_15803455	11.28	proximal promoter
AT2G37680	na	CONTAINS Inte	2_15803455	11.28	three_prime_UTR
AT3G19860	BASIC HELIX-LOOP-HELIX 121 (bHLH12	basic Helix-Loo	3_6902339	11.27	proximal promoter
AT3G19850	na	Phototropic-res	3_6902339	11.27	proximal promoter
AT3G61250	MYB DOMAIN PROTEIN 17 (MYB17)	LATE MERISTE	3_22670457	11.26	proximal promoter
AT3G08610	na	unknown protei	3_2615206	11.26	downstream
AT4G24570	DICARBOXYLATE CARRIER 2 (DIC2)	Encodes one of	4_12686366	11.25	promoter
AT3G18220	LIPID PHOSPHATE PHOSPHATASE 4 (L	Phosphatidic ac	3_6246658	11.25	proximal promoter
AT4G24565	na	pre-tRNA; tRNA	4_12686366	11.25	downstream
AT4G24580	ROP1 ENHANCER 1 (REN1)	Encodes a Rho	4_12686366	11.25	intergenic
AT3G04110	GLUTAMATE RECEPTOR 1.1 (GLR1.1)	putative glutam	3_1080769	11.24	intergenic
AT3G04120	GLYCERALDEHYDE-3-PHOSPHATE DEH	encodes cytos	3_1080769	11.24	promoter
AT2G45720	na	ARM repeat su	2_18833130	11.24	promoter
AT5G44255	na	transposable elk	5_17828964	11.24	intergenic
AT5G44260	na	Zinc finger C-x	8_17828964	11.24	intergenic
AT3G49530	NAC DOMAIN CONTAINING PROTEIN 6	Transcription fa	3_18365035	11.24	promoter
AT4G35760	LUMEN THIOL OXIDOREDUCTASE 1 (L	Encodes a bimc	4_16942006	11.23	intergenic
AT4G35750	na	SEC14 cytosolic	4_16942006	11.23	promoter
AT3G50070	CYCLIN D3;3 (CYCD3;3)	Encode CYCD3	3_18563332	11.22	intergenic
AT1G01310	na	CAP (Cysteine-	1_120659	11.22	exon
AT1G01320	na	Tetratricopeptid	1_120659	11.22	intergenic
AT5G37540	na	Eukaryotic aspa	5_14915084	11.22	intergenic
AT2G35860	FASCICLIN-LIKE ARABINOGLACTAN P	FASCICLIN-like	2_15062609	11.21	intergenic
AT3G09560	na	The PAH1 gene	3_2940224	11.21	proximal promoter
AT3G09570	na	Lung seven trar	3_2940224	11.21	promoter
AT2G35859	na	Potential natura	2_15062609	11.21	proximal promoter
AT2G35880	na	TPX2 (targeting	2_15062609	11.21	intergenic
AT4G12970	STOMAGEN (STOMAGEN)	Encodes a cyst	4_7585879	11.21	intergenic
AT5G58070	TEMPERATURE-INDUCED LIPOCALIN (T	Encodes a temp	5_23501407	11.21	promoter
AT1G11840	GLYOXALASE I HOMOLOG (GLX1)	Encodes a glyo	1_3998172	11.19	intergenic
AT1G11850	na	unknown protei	1_3998172	11.19	proximal promoter
AT5G17300	REVEILLE 1 (RVE1)	Myb-like transcr	5_5696252	11.19	intergenic
AT3G52340	SUCROSE-6F-PHOSPHATE PHOSPHO	sucrose-phosph	3_19406944	11.18	promoter
AT1G19310	na	RING/U-box su	1_6677837	11.17	promoter
AT5G13710	STEROL METHYLTRANSFERASE 1 (SM	SMT1 controls	t_5_4426470	11.17	intron
AT4G27320	(PHOS34)	Contains a univ	4_13677171	11.16	intergenic
AT4G27310	na	B-box type zinc	4_13677171	11.16	intergenic
AT2G18090	na	PHD finger fami	2_7864211	11.15	promoter
AT3G16620	TRANSLOCON OUTER COMPLEX PROT	component of T	3_5662152	11.15	promoter
AT2G44930	na	Plant protein of	2_18534144	11.14	proximal promoter
AT5G24470	PSEUDO-RESPONSE REGULATOR 5 (P	Encodes a pse	5_8359931	11.14	proximal promoter
AT1G67265	ROTUNDIFOLIA LIKE 21 (RTFL21)	ROTUNDIFOLI	1_25174909	11.13	intergenic
AT1G04120	ATP-BINDING CASSETTE C5 (ABCC5)	encodes a high	1_1064383	11.12	downstream
AT1G62370	na	RING/U-box su	1_23075589	11.12	intergenic

AT1G70310	SPERMIDINE SYNTHASE 2 (SPDS2)	Spermidine syn1_1_26484966	11.12	intergenic
AT1G04110	STOMATAL DENSITY AND DISTRIBUTION 1 (SD1)	Initially identified 1_1064383	11.12	proximal promoter
AT1G73670	MAP KINASE 15 (MPK15)	member of MAF_1_27699171	11.11	proximal promoter
AT2G16630	na	Pollen Ole e 1 a 2_7208905	11.11	promoter
AT5G06865	na	Potential natura 5_2132354	11.11	five_prime_UTR
AT5G06860	POLYGALACTURONASE INHIBITING PROTEIN 1 (PGIP1)	Encodes a poly; 5_2132354	11.11	five_prime_UTR
AT5G06870	POLYGALACTURONASE INHIBITING PROTEIN 2 (PGIP2)	Encodes a poly; 5_2132354	11.11	proximal promoter
AT3G21320	na	BEST Arabidop; 3_7503470	11.1	proximal promoter
AT1G66940	na	protein kinase-r 1_24974806	11.1	promoter
AT2G01580	na	unknown proteir 2_263351	11.1	intergenic
AT2G16668	na	unknown proteir 2_7223821	11.1	downstream
AT1G62035	MICRORNA171C (MIR171C)	Encodes a micr 1_22928873	11.09	intergenic
AT2G45440	DIHYDRODIPICOLINATE SYNTHASE (DIPIC)	Encodes a prote 2_18733141	11.08	downstream
AT2G32690	GLYCINE-RICH PROTEIN 23 (GRP23)	Glycine-rich pro 2_13865441	11.08	proximal promoter
AT2G45450	LITTLE ZIPPER 1 (ZPR1)	ZPR1, a small le 2_18733141	11.08	downstream
AT1G33240	GT-2-LIKE 1 (GTL1)	Encodes a plan 1_12056993	11.07	proximal promoter
AT1G33250	na	Protein of unkn 1_12056993	11.07	intergenic
AT2G43010	PHYTOCHROME INTERACTING FACTOR 1 (PIF1)	Isolated as a se 2_17886330	11.06	promoter
AT1G15700	(ATPC2)	One of two gene 1_5398851	11.05	intergenic
AT1G15690	(AVP1)	Encodes a H(+) 1_5398851	11.05	promoter
AT1G74950	(TIFY10B)	TIFY10B; CON1_1_28151154	11.05	proximal promoter
AT1G74960	FATTY ACID BIOSYNTHESIS 1 (FAB1)	Encodes a plasi 1_28151154	11.05	intergenic
AT1G15710	na	prephenate deh 1_5398851	11.05	intergenic
AT5G23480	na	SWIB/MDM2 dc 5_7915899	11.05	promoter
AT4G36030	ARMADILLO REPEAT ONLY 3 (ARO3)	Armadillo repea 4_17048931	11.04	proximal promoter
AT4G36040	DNAJ11 (J11)	Chaperone Dna 4_17048931	11.04	intergenic
AT4G36032	na	Potential natura 4_17048931	11.04	intergenic
AT4G36050	na	endonuclease/e 4_17048931	11.04	intergenic
AT4G36052	na	Potential natura 4_17048931	11.04	intergenic
AT1G22810	na	encodes a mem 1_8075840	11.04	proximal promoter
AT1G22830	na	Tetratricopeptid 1_8075840	11.04	proximal promoter
AT2G23430	(ICK1)	Encodes a cycli 2_9978106	11.03	promoter
AT4G16780	HOMEBOX PROTEIN 2 (HB-2)	Encodes a hom 4_9447431	11.03	proximal promoter
AT1G59880	na	pre-tRNA; tRNA 1_22034356	11.03	intergenic
AT1G59870	PENETRATION 3 (PEN3)	ATP binding cas 1_22034356	11.03	promoter
AT4G19120	EARLY-RESPONSIVE TO DEHYDRATION 1 (ERD1)	early-responsivi 4_10463391	11.02	intron
AT1G10850	na	Leucine-rich re 1_3611133	11.02	proximal promoter
AT3G60030	SQUAMOSA PROMOTER-BINDING PROTEIN 1 (SQP1)	squamosa prom 3_22170105	11.02	proximal promoter
AT1G10840	TRANSLATION INITIATION FACTOR 3 (TIF3)	Encodes eukary 1_3611133	11.02	proximal promoter
AT4G13340	LEUCINE-RICH REPEAT/EXTENSIN 3 (LIREX3)	Leucine-rich re 4_7761374	11.01	intergenic
AT4G33030	SULFOQUINOVOSYLDIACYLGLYCEROL SYNTHASE 1 (SQD1)	involved in sulf 4_15934878	11.01	proximal promoter
AT2G46830	CIRCADIAN CLOCK ASSOCIATED 1 (CCA1)	Encodes a trans 2_19245396	11	promoter
AT5G04310	na	Pectin lyase-like 5_1205559	11	intron
AT2G46820	PHOTOSYSTEM I P SUBUNIT (PSI-P)	Encodes the P 2_19245396	11	intergenic
AT3G07360	PLANT U-BOX 9 (PUB9)	Encodes a prote 3_2353811	11	proximal promoter
AT1G28290	ARABINOGLACTAN PROTEIN 31 (AGP31)	Encodes an aty 1_9893948	10.99	proximal promoter
AT4G37310	CYTOCHROME P450, FAMILY 81, SUBFAMILY 1 (CYP81B1)	member of CYP 4_17555972	10.99	three_prime_UTR
AT4G37300	MATERNAL EFFECT EMBRYO ARREST 1 (MEA1)	maternal effect 4_17555972	10.99	downstream
AT4G36370	na	unknown proteir 4_17189526	10.99	intergenic
AT1G32360	na	Zinc finger (CC 1_11672770	10.99	promoter
AT3G62000	na	S-adenosyl-L-m 3_22961329	10.99	promoter
AT4G36380	ROTUNDIFOLIA 3 (ROT3)	Encodes a cytoi 4_17189526	10.99	intron
AT4G16140	na	proline-rich fami 4_9128411	10.98	proximal promoter
AT5G13400	na	Major facilitator 5_4299344	10.98	promoter
AT3G14090	EXOCYST SUBUNIT EXO70 FAMILY PROTEIN 1 (EXO70)	A member of E) 3_4672675	10.97	proximal promoter
AT5G02200	FAR-RED-ELONGATED HYPOCOTYL1-L (FRL1)	Encodes a smal 5_437258	10.97	promoter
AT3G14100	na	RNA-binding (R 3_4672675	10.97	promoter
AT3G12910	na	NAC (No Apical 3_4109108	10.97	promoter
AT5G02190	PROMOTION OF CELL SURVIVAL 1 (PCS1)	encodes an asp 5_437258	10.97	intergenic
AT1G79650	RADIATION SENSITIVE23B (RAD23B)	Encodes a merr 1_29975515	10.97	promoter
AT2G05520	GLYCINE-RICH PROTEIN 3 (GRP-3)	Encodes a glyci 2_2025992	10.96	promoter
AT4G37470	KARRIKIN INSENSITIVE 2 (KAI2)	HTL belonging t 4_17616841	10.96	three_prime_UTR
AT4G37460	SUPPRESSOR OF RPS4-RLD 1 (SRFR1)	Encodes a tetr 4_17616841	10.96	proximal promoter
AT1G75580	na	SAUR-like auxi 1_28377173	10.95	promoter
AT2G36410	na	Family of unkno 2_15278487	10.95	promoter
AT3G55430	na	O-Glycosyl hydri 3_20552086	10.95	five_prime_UTR
AT3G55440	TRIOSEPHOSPHATE ISOMERASE (TPI)	Encodes triosep 3_20552086	10.95	proximal promoter
AT3G57880	na	Calcium-depend 3_21430493	10.94	intergenic
AT1G70940	na	unknown proteir 1_26749405	10.94	promoter
AT3G57870	SUMO CONJUGATION ENZYME 1 (SCE1)	Encodes a SUV 3_21430493	10.94	promoter
AT5G10550	GLOBAL TRANSCRIPTION FACTOR GR1	This gene is pre 5_3336129	10.93	proximal promoter
AT2G40100	LIGHT HARVESTING COMPLEX PHOTODIODESIS 1 (LHC1)	Lhcb4:3 protein 2_16743967	10.93	proximal promoter
AT5G10540	na	Zincin-like meta 5_3336129	10.93	intergenic
AT5G10560	na	Glycosyl hydrol 5_3336129	10.93	downstream
AT2G40095	na	Alpha/beta hydr 2_16743967	10.93	intron
AT5G56260	na	Ribonuclease E 5_22777592	10.93	promoter
AT4G27950	CYTOKININ RESPONSE FACTOR 4 (CRF4)	encodes a mem 4_13911501	10.92	proximal promoter
AT1G72280	ENDOPLASMIC RETICULUM OXIDOREDUCTASE 1 (ERD1)	endoplasmic ret 1_27214779	10.92	promoter
AT1G30690	na	Sec14p-like phc 1_10887512	10.92	promoter
AT5G57710	na	Double Clp-N m 5_23389100	10.92	intergenic
AT3G57060	na	binding; FUNCT 3_21123286	10.91	proximal promoter
AT3G57062	na	unknown proteir 3_21123286	10.91	intergenic
AT3G57070	na	Glutaredoxin far 3_21123286	10.91	proximal promoter
AT1G62301	na	unknown proteir 1_23020402	10.9	downstream
AT4G35760	LUMEN THIOL OXIDOREDUCTASE 1 (LTI1)	Encodes a bimc 4_16944861	10.89	promoter
AT3G61962	na	This gene encoi 3_22946077	10.89	intergenic
AT4G35770	SENESCENCE 1 (SEN1)	Senescence-as 4_16944861	10.89	promoter
AT4G35780	SERINE/THREONINE/TYROSINE KINASE ACT-LIKE 1 (STYK1)	ACT-like proteir 4_16944861	10.89	intergenic
AT2G26190	na	calmodulin-bind 2_11150580	10.88	promoter
AT2G40475	ALTERED SEED GERMINATION 8 (ASG8)	unknown proteir 2_16908668	10.87	proximal promoter
AT1G12520	COPPER CHAPERONE FOR SOD1 (CCS1)	Copper-zinc sur 1_4266867	10.87	intergenic
AT2G23321	na	unknown proteir 2_9924789	10.87	proximal promoter
AT1G12510	na	pre-tRNA; tRNA 1_4266867	10.87	downstream
AT2G40480	na	Plant protein of 2_16908668	10.87	proximal promoter

AT3G17640	na	Leucine-rich rep	3_6032202	10.87	promoter
AT4G35470	PLANT INTRACELLULAR RAS GROUP-R	Encodes PIRL4	4_16849125	10.87	three_prime_UTR
AT3G20070	TITAN9 (TTN9)	Encodes a plan	3_7007078	10.87	promoter
AT2G23230	WRKY DNA-BINDING PROTEIN 15 (WRK	Encodes WRKY	2_9924789	10.87	promoter
AT2G28470	BETA-GALACTOSIDASE 8 (BGAL8)	putative beta-ga	2_12173679	10.86	promoter
AT5G03730	CONSTITUTIVE TRIPLE RESPONSE 1 (C	Homologous to	5_974177	10.86	intergenic
AT5G03720	HEAT SHOCK TRANSCRIPTION FACTOR	Member of Heat	5_974177	10.86	promoter
AT1G18720	na	Protein of unkn	1_6457170	10.86	intergenic
AT1G68840	RELATED TO ABI3/VP1 2 (RAV2)	Rav2 is part of	1_25877727	10.86	proximal promoter
AT1G68830	STT7 HOMOLOG STN7 (STN7)	STN7 protein ki	1_25877727	10.86	proximal promoter
AT2G27660	na	Cysteine/Histidi	2_11799446	10.85	exon
AT2G18890	na	Protein kinase s	2_8183743	10.85	promoter
AT3G47750	ATP-BINDING CASSETTE A4 (ABCA4)	member of ATH	3_17606317	10.84	promoter
AT2G46020	BRAHMA (BRM)	Encodes a SWI	2_18922712	10.84	proximal promoter
AT5G66640	DA1-RELATED PROTEIN 3 (DAR3)	DA1-related pro	5_26598328	10.84	proximal promoter
AT2G46000	na	FUNCTIONS IN	2_18922712	10.84	proximal promoter
AT5G66631	na	Tetratricopeptid	5_26598328	10.84	downstream
AT3G12020	na	P-loop containir	3_3826059	10.84	promoter
AT2G27770	na	Plant protein of	2_11829819	10.84	intergenic
AT1G04690	POTASSIUM CHANNEL BETA SUBUNIT	potassium chan	1_1313025	10.84	proximal promoter
AT3G51960	BASIC LEUCINE ZIPPER 24 (BZIP24)	bZIP transcripti	3_19281475	10.83	intergenic
AT2G23290	MYB DOMAIN PROTEIN 70 (MYB70)	Member of the f	2_9906639	10.83	proximal promoter
AT3G51950	na	Zinc finger (CC	3_19281475	10.83	promoter
AT2G22780	PEROXISOMAL NAD-MALATE DEHYDR	encodes an per	2_9688725	10.83	intergenic
AT1G71695	na	Peroxidase sup	1_26963425	10.82	proximal promoter
AT3G12190	na	BEST Arabidop:	3_3885210	10.82	proximal promoter
AT4G38690	na	PLC-like phosph	4_18076136	10.82	promoter
AT5G51740	na	Peptidase famili	5_21020088	10.82	intergenic
AT4G38700	na	Disease resistai	4_18076136	10.82	intergenic
AT4G38710	na	glycine-rich prot	4_18076136	10.82	intergenic
AT5G51750	SUBTILASE 1.3 (SBT1.3)	subtilase 1.3 (S	5_21020088	10.82	promoter
AT1G71696	SUPPRESSOR OF LLP1 1 (SOL1)	Encodes a Puta	1_26963425	10.82	intergenic
AT1G78260	na	RNA-binding (R	1_29448349	10.81	intron
AT3G61310	na	AT hook motif D	3_22693112	10.81	promoter
AT5G16720	na	Protein of unkn	5_5497539	10.81	intergenic
AT5G16730	na	LOCATED IN: c	5_5497539	10.81	promoter
AT5G62230	ERECTA-LIKE 1 (ERL1)	Encodes a rece	5_25002354	10.8	downstream
AT3G51550	FERONIA (FER)	Encodes a syne	3_19121154	10.8	promoter
AT5G62240	na	Cell cycle regul	5_25002354	10.8	downstream
AT2G41090	na	Calcium-binding	2_17135586	10.8	promoter
AT3G14310	PECTIN METHYLESTERASE 3 (PME3)	encodes a pecti	3_4773384	10.8	intron
AT1G25390	na	Protein kinase s	1_8911469	10.79	proximal promoter
AT1G25400	na	unknown protei	1_8911469	10.79	exon
AT3G15470	na	Transducin/WD	3_5221156	10.79	proximal promoter
AT1G11250	SYNTAXIN OF PLANTS 125 (SYP125)	member of SYP	1_3770420	10.79	intergenic
AT1G79840	GLABRA 2 (GL2)	Glabra 2, a hor	1_30035812	10.78	proximal promoter
AT1G61260	na	Protein of unkn	1_22598476	10.78	intergenic
AT5G61270	PHYTOCHROME-INTERACTING FACTOR	Basic helix-loop	5_24640728	10.77	promoter
AT5G40260	(SWEET8)	Nodulin MtN3 fa	5_16088624	10.76	proximal promoter
AT3G16470	JASMONATE RESPONSIVE 1 (JR1)	JA-responsive c	3_5598752	10.76	intron
AT2G40004	na	unknown protei	2_16706071	10.76	intergenic
AT3G62860	na	alpha/beta-Hydr	3_23240851	10.76	intron
AT1G22570	na	Major facilitator	1_7979475	10.76	proximal promoter
AT4G39330	CINNAMYL ALCOHOL DEHYDROGENAS	cinnamyl alcohc	4_18290160	10.74	proximal promoter
AT2G41430	EARLY RESPONSIVE TO DEHYDRATION	Encodes hydrog	2_17269221	10.74	promoter
AT2G27050	ETHYLENE-INSENSITIVE3-LIKE 1 (EIL1)	ethylene-insens	2_11545757	10.74	five_prime_UTR
AT1G02360	na	Chitinase family	1_471595	10.74	intergenic
AT1G02350	na	protoporphyrino	1_471595	10.74	intergenic
AT1G80490	TOPLESS-RELATED 1 (TPR1)	TOPLESS-relat	1_30267454	10.74	promoter
AT5G28646	WAVE-DAMPENED 2 (WVD2)	Encodes a nove	5_10674336	10.74	promoter
AT2G41420	WINDHOSE 2 (WIH2)	proline-rich fami	2_17269221	10.74	proximal promoter
AT1G29330	ENDOPLASMIC RETICULUM RETENTIO	Encodes a prote	1_10261307	10.73	promoter
AT4G01720	(WRKY47)	member of WRK	4_744137	10.72	proximal promoter
AT2G24540	ATTENUATED FAR-RED RESPONSE (AF	ATTENUATED	2_10429377	10.72	intergenic
AT5G53560	CYTOCHROME B5 ISOFORM E (CB5-E)	Encodes a cyto	5_21763577	10.72	intergenic
AT5G53570	na	Ypt/Rab-GAP di	5_21763577	10.72	promoter
AT2G24545	na	Potential natura	2_10429377	10.72	proximal promoter
AT2G24550	na	unknown protei	2_10429377	10.72	promoter
AT5G45860	PYR1-LIKE 11 (PYL11)	Encodes a merr	5_18603621	10.72	intergenic
AT3G12560	TRF-LIKE 9 (TRFL9)	Encodes a telor	3_3985908	10.72	promoter
AT2G39660	BOTRYTIS-INDUCED KINASE1 (BIK1)	Encodes a plasi	2_16529400	10.71	proximal promoter
AT2G39650	na	Protein of unkn	2_16529400	10.71	five_prime_UTR
AT3G15630	na	unknown protei	3_5297806	10.71	promoter
AT3G15640	na	Rubredoxin-like	3_5297806	10.71	proximal promoter
AT3G15620	UV REPAIR DEFECTIVE 3 (UVR3)	Required for ph	3_5297806	10.71	proximal promoter
AT4G33960	na	unknown protei	4_16278918	10.7	intergenic
AT5G65920	na	ARM repeat sup	5_26368366	10.7	proximal promoter
AT5G65925	na	unknown protei	5_26368366	10.7	proximal promoter
AT5G65930	ZWICHEL (ZWI)	encodes a nove	5_26368366	10.7	intergenic
AT4G02890	(UBQ14)	Polyubiquitin qe	4_1280157	10.69	promoter
AT5G66055	ANKYRIN REPEAT PROTEIN (AKRP)	A locus involv	5_26416966	10.69	downstream
AT4G04330	HOMOLOGUE OF CYANOBACTERIAL R	Encodes a chl	4_2119469	10.69	proximal promoter
AT1G78610	MECHANOSENSITIVE CHANNEL OF SM	mechanosensiti	1_29573157	10.69	proximal promoter
AT1G22060	na	LOCATED IN: v	1_7782522	10.69	proximal promoter
AT1G78620	na	Protein of unkn	1_29573157	10.69	three_prime_UTR
AT4G02880	na	unknown protei	4_1280157	10.69	intergenic
AT2G29510	na	Protein of unkn	2_12634185	10.69	promoter
AT5G66052	na	unknown protei	5_26416966	10.69	downstream
AT5G66053	na	unknown protei	5_26416966	10.69	promoter
AT3G57420	na	Protein of unkn	3_21252076	10.68	intergenic
AT2G37040	PHE AMMONIA LYASE 1 (pal1)	Encodes PAL1,	2_15562923	10.68	proximal promoter
AT3G57410	VILLIN 3 (VLN3)	Encodes a prote	3_21252076	10.68	proximal promoter
AT2G39990	EUKARYOTIC TRANSLATION INITIATION	translation initia	2_16700877	10.67	proximal promoter
AT2G40000	ORTHOLOG OF SUGAR BEET HS1 PRO	ortholog of sug	2_16700877	10.67	exon

AT5G22630	AROGENATE DEHYDRATASE 5 (ADT5)	Encodes a plasi	5_7524802	10.66	exon
AT4G27340	na	Met-10+ like fan	4_13685960	10.66	intergenic
AT4G27330	SPOROCTELESS (SPL)	Encodes a puta	4_13685960	10.66	proximal promoter
AT5G62370	na	Tetratricopeptid	5_25038922	10.65	intergenic
AT5G62350	na	Plant invertase/	5_25038922	10.65	intergenic
AT5G62360	na	Plant invertase/	5_25038922	10.65	proximal promoter
AT4G33625	na	FUNCTIONS IN	4_16154947	10.65	promoter
AT5G43450	na	encodes a prote	5_17458932	10.65	promoter
AT5G43455	na	pre-tRNA; tRNA	5_17458932	10.65	intergenic
AT5G27030	TOPLESS-RELATED 3 (TPR3)	TOPLESS-relat	5_9515667	10.65	promoter
AT5G24590	TCV-INTERACTING PROTEIN (TIP)	Member of NAc	5_8419061	10.64	promoter
AT1G75750	GAST1 PROTEIN HOMOLOG 1 (GASA1)	GA-responsive	1_28444535	10.63	proximal promoter
AT3G44705	na	transposable elk	3_16250222	10.63	downstream
AT3G44710	na	Plant protein of	3_16250222	10.63	intergenic
AT1G77480	na	Eukaryotic aspa	1_29117512	10.62	promoter
AT1G79170	na	unknown proteir	1_29781867	10.62	promoter
AT3G16940	na	calmodulin bindi	3_5781191	10.62	proximal promoter
AT4G30790	na	INVOLVED IN: :	4_14999347	10.62	proximal promoter
AT1G77490	THYLAKOIDAL ASCORBATE PEROXIDA	Encodes a chlor	1_29117512	10.62	promoter
AT5G48250	na	B-box type zinc	5_19563930	10.61	promoter
AT5G02760	na	Protein phosph	5_624681	10.61	proximal promoter
AT5G16230	na	Plant stearoyl-a	5_5306741	10.61	intergenic
AT5G16235	na	Potential natura	5_5306741	10.61	proximal promoter
AT5G16240	na	Plant stearoyl-a	5_5306741	10.61	promoter
AT2G41170	na	F-box family prc	2_17161272	10.6	promoter
AT2G41178	na	Potential natura	2_17161272	10.6	intergenic
AT4G32300	S-DOMAIN-2 5 (SD2-5)	S-domain-2 5 (	5_15599458	10.6	promoter
AT2G41180	SIGMA FACTOR BINDING PROTEIN 2 (S	VQ motif-contai	2_17161272	10.6	intergenic
AT2G44080	ARGOS-LIKE (ARL)	Encodes ARL, ε	2_18236933	10.59	promoter
AT5G02610	na	Ribosomal L29	5_589076	10.59	intergenic
AT5G41140	na	Myosin heavy c	5_16466540	10.59	proximal promoter
AT5G02615	na	pre-tRNA; tRNA	5_589076	10.59	promoter
AT5G20180	na	Ribosomal prote	5_6812432	10.59	intergenic
AT5G20181	na	This gene encod	5_6812432	10.59	exon
AT4G16780	HOMEODOMAIN PROTEIN 2 (HB-2)	Encodes a hom	4_9443449	10.58	intergenic
AT3G15540	INDOLE-3-ACETIC ACID INDUCIBLE 19 (	Primary auxin-ri	3_5263890	10.58	promoter
AT3G03626	na	unknown proteir	3_877578	10.58	exon
AT3G48580	XYLOGLUCAN ENDOTRANSGLUCOSYL	xyloglucan endc	3_18006467	10.58	proximal promoter
AT1G70300	K+ UPTAKE PERMEASE 6 (KUP6)	potassium trans	1_26477633	10.57	intergenic
AT1G70290	TREHALOSE-6-PHOSPHATASE SYNTHA	Encodes an enz	1_26477633	10.57	proximal promoter
AT1G74670	GA-STIMULATED ARABIDOPSIS 6 (GAS	Gibberellin-requ	1_28052430	10.56	proximal promoter
AT3G16370	na	GDSL-like Lipas	3_5556650	10.56	promoter
AT4G37580	HOOKLESS 1 (HLS1)	involved in apic	4_17657863	10.54	proximal promoter
AT1G75530	na	Forkhead-assoc	1_28358539	10.54	proximal promoter
AT5G20950	na	Glycosyl hydrol	5_7109480	10.54	intron
AT5G23930	na	Mitochondrial tr	5_8077731	10.54	proximal promoter
AT5G23940	PERMEABLE LEAVES3 (PEL3)	Encodes PERM	5_8077731	10.54	intron
AT5G07290	MEI2-LIKE 4 (ML4)	AML4 A memb	5_2290831	10.53	proximal promoter
AT1G33607	na	Encodes a defe	1_12184290	10.53	intergenic
AT3G56710	SIGMA FACTOR BINDING PROTEIN 1 (S	Sig1 binding prc	3_21007760	10.53	promoter
AT2G40970	(MYBC1)	MYBC1; CONT	2_17099371	10.52	proximal promoter
AT3G13720	(PRA8)	PRA8; CONTAI	3_4496207	10.52	promoter
AT2G26330	ERECTA (ER)	Homologous to	2_11214393	10.52	promoter
AT1G68872	na	Unknown gene	1_25890565	10.52	exon
AT2G26340	na	unknown proteir	2_11214393	10.52	proximal promoter
AT1G51510	(Y14)	This gene is pre	1_19105622	10.51	proximal promoter
AT5G11260	ELONGATED HYPOCOTYL 5 (HY5)	Basic leucine zi	5_3595179	10.51	promoter
AT3G56360	na	unknown proteir	3_20896205	10.51	promoter
AT1G75891	na	Potential natura	1_28496267	10.51	proximal promoter
AT5G11270	OVEREXPRESSOR OF CATIONIC PERO	Encodes a hom	5_3595179	10.51	downstream
AT2G28830	PLANT U-BOX 12 (PUB12)	Encodes a U-bc	2_12370747	10.51	promoter
AT5G04560	DEMETER (DME)	Encodes a DNA	5_1308427	10.5	proximal promoter
AT2G46780	na	RNA-binding (R	2_19227539	10.5	proximal promoter
AT2G05786	na	unknown proteir	2_2198349	10.49	exon
AT1G70590	na	F-box family prc	1_26617637	10.48	proximal promoter
AT3G23820	UDP-D-GLUCURONATE 4-EPIMERASE (	UDP-D-glucuroi	3_8605245	10.48	three_prime_UTR
AT5G58140	PHOTOTROPIN 2 (PHOT2)	Membrane-bou	5_23524287	10.47	promoter
AT5G58130	REPRESSOR OF SILENCING 3 (ROS3)	Encodes ROS3	5_23524287	10.47	promoter
AT1G55740	SEED IMBIBITION 1 (SIP1)	seed imbibition	1_20838774	10.46	five_prime_UTR
AT2G28950	EXPANSIN A6 (EXPA6)	Encodes an exp	2_12433901	10.45	promoter
AT1G69760	na	unknown proteir	1_26243616	10.45	proximal promoter
AT2G16660	na	Major facilitator	2_7219708	10.45	intron
AT2G16650	PROTEINACEOUS RNASE P 2 (PRORP2	Encodes a prot	2_7219708	10.45	proximal promoter
AT5G28640	ANGUSTIFOLIA 3 (AN3)	Encodes a prot	5_10648802	10.44	intron
AT3G47250	na	Plant protein of	3_17401854	10.44	promoter
AT3G54320	WRINKLED 1 (WR1)	WRINKLED1 er	3_20117046	10.44	intron
AT5G01260	na	Carbohydrate-b	5_105157	10.43	promoter
AT1G78230	na	Outer arm dyne	1_29429411	10.43	proximal promoter
AT3G07010	na	Pectin lyase-like	3_2215617	10.43	intron
AT4G18890	BES1/BZR1 HOMOLOG 3 (BEH3)	BES1/BZR1 hor	4_10352060	10.42	proximal promoter
AT4G39120	MYO-INOSITOL MONOPHOSPHATASE L	Encodes a chlor	4_18220353	10.4	intergenic
AT1G55340	na	Protein of unkn	1_20651534	10.4	promoter
AT4G39100	SHORT LIFE (SHL1)	Putative transcr	4_18220353	10.4	promoter
AT5G05190	na	Protein of unkn	5_1540805	10.39	proximal promoter
AT5G62340	na	Plant invertase/	5_25035850	10.39	intergenic
AT1G01720	(ATAF1)	Belongs to a lar	1_268244	10.38	promoter
AT1G13740	ABI FIVE BINDING PROTEIN 2 (AFP2)	Encodes a merr	1_4713189	10.38	promoter
AT1G01725	na	unknown proteir	1_268244	10.38	intergenic
AT1G01710	na	Acyl-CoA thioes	1_268244	10.38	intergenic
AT3G60760	na	unknown proteir	3_22457965	10.38	intergenic
AT3G60750	na	Transketolase; i	3_22457965	10.38	intergenic
AT4G11280	1-AMINOCYCLOPROPANE-1-CARBOXYL	encodes a me	4_6863982	10.36	promoter
AT2G36880	METHIONINE ADENOSYLTRANSFERAS	methionine ader	2_15481521	10.36	promoter
AT2G36881	na	unknown proteir	2_15481521	10.36	downstream

AT2G40120	na	Protein kinase s 2_16759127	10.36	proximal promoter
AT2G30530	na	unknown proteir 2_13006690	10.36	proximal promoter
AT5G44680	na	DNA glycosylas 5_18028283	10.36	proximal promoter
AT3G43720	na	Bifunctional inhi 3_15618207	10.36	proximal promoter
AT5G19160	TRICHOME BIREFRINGENCE-LIKE 11 (T	Encodes a mem 5_6430459	10.36	promoter
AT1G19180	JASMONATE-ZIM-DOMAIN PROTEIN 1 (	JAZ1 is a nucle; 1_6621020	10.35	proximal promoter
AT1G03440	na	Leucine-rich re; 1_851775	10.35	proximal promoter
AT4G22190	na	unknown proteir 4_11745518	10.35	proximal promoter
AT4G22200	POTASSIUM TRANSPORT 2/3 (KT2/3)	Encodes AKT2_4_11745518	10.35	intergenic
AT3G26810	AUXIN SIGNALING F-BOX 2 (AFB2)	auxin signaling | 3_9867643	10.34	promoter
AT4G25470	C-REPEAT/DRE BINDING FACTOR 2 (CF	Encodes a mem 4_13016343	10.34	promoter
AT1G73600	na	S-adenosyl-L-m 1_27667759	10.34	proximal promoter
AT5G50860	na	Protein kinase s 5_20698625	10.34	proximal promoter
AT3G23030	INDOLE-3-ACETIC ACID INDUCIBLE 2 (I	auxin inducible ; 3_8182904	10.33	proximal promoter
AT2G27700	na	eukaryotic trans 2_11813279	10.33	intergenic
AT1G08920	ERD (EARLY RESPONSE TO DEHYDRA	Encodes ESL1_1_2867268	10.32	five_prime_UTR
AT1G73530	na	RNA-binding (R 1_27647129	10.32	proximal promoter
AT1G73540	NUDIX HYDROLASE HOMOLOG 21 (NUI	nudix hydrolase 1_27647129	10.32	promoter
AT5G13300	SCARFACE (SFC)	Belongs to 15-r 5_4262572	10.32	promoter
AT1G70920	HOMEODOMAIN-LEUCINE ZIPPER PROTEI	homeobox-leuci 1_26737238	10.31	intron
AT5G01240	LIKE AUXIN RESISTANT 1 (LAX1)	Encodes LAX1_5_97260	10.31	proximal promoter
AT1G68490	na	unknown proteir 1_25691374	10.31	proximal promoter
AT1G78080	RELATED TO AP2 4 (RAP2.4)	Encodes a mem 1_29367282	10.31	intergenic
AT1G21100	INDOLE GLUCOSINOLATE O-METHYLTI	O-methyltransfe 1_7386711	10.3	downstream
AT1G21090	na	Cupredoxin sup 1_7386711	10.3	downstream
AT2G27770	na	Plant protein of 2_11838725	10.3	intergenic
AT1G48490	na	Protein kinase s 1_17921647	10.29	intergenic
AT1G48480	RECEPTOR-LIKE KINASE 1 (RKL1)	Arabidopsis thal 1_17921647	10.29	intergenic
AT1G03730	na	unknown proteir 1_931767	10.28	five_prime_UTR
AT1G03740	na	Protein kinase s 1_931767	10.28	proximal promoter
AT3G17510	CBL-INTERACTING PROTEIN KINASE 1	Encodes a CBL 3_5995593	10.27	proximal promoter
AT4G25480	DEHYDRATION RESPONSE ELEMENT E	encodes a mem 4_13017958	10.27	intergenic
AT2G28355	LOW-MOLECULAR-WEIGHT CYSTEINE-	low-molecular-w 2_12123481	10.27	intergenic
AT4G19395	MICRORNA168A (MIR168A)	Encodes a micr 4_10578364	10.27	promoter
AT5G04720	ADR1-LIKE 2 (ADR1-L2)	Encodes a mem 5_1360489	10.25	promoter
AT4G36780	BES1/BZR1 HOMOLOG 2 (BEH2)	BES1/BZR1 hor 4_17332280	10.25	intergenic
AT4G18540	na	unknown proteir 4_10223729	10.25	proximal promoter
AT5G40250	na	RING/U-box su; 5_16085541	10.25	promoter
AT4G36770	na	UDP-Glycosyltr; 4_17332280	10.25	proximal promoter
AT5G41450	na	RING/U-box su; 5_16590732	10.24	proximal promoter
AT5G41460	na	Protein of unkn; 5_16590732	10.24	intron
AT3G62620	na	sucrose-phosph 3_23159085	10.24	proximal promoter
AT3G15770	na	unknown proteir 3_5339972	10.24	promoter
AT3G15780	na	unknown proteir 3_5339972	10.24	proximal promoter
AT4G34240	ALDEHYDE DEHYDROGENASE 311 (ALC	Aldehyde dehyd 4_16389356	10.23	promoter
AT2G39810	HIGH EXPRESSION OF OSMOTICALLY I	A novel protein 2_16612610	10.23	promoter
AT2G39805	na	Integral membr 2_16612610	10.23	promoter
AT2G45730	na	eukaryotic initial 2_18839380	10.22	promoter
AT1G55546	na	unknown proteir 1_20745297	10.22	downstream
AT3G06450	na	HCO3- transpor 3_1980072	10.22	promoter
AT3G06455	na	ubiquitin family 3_1980072	10.22	promoter
AT2G45740	PEROXIN 11D (PEX11D)	member of the ; 2_18839380	10.22	promoter
AT3G15095	HIGH CHLOROPHYLL FLUORESCENCE	Encodes HCF2-3_5081697	10.21	promoter
AT3G15110	na	unknown proteir 3_5081697	10.21	intergenic
AT3G63190	RIBOSOME RECYCLING FACTOR, CHLC	The gene encoc 3_23345059	10.21	promoter
AT2G39450	(MTP11)	Encodes a Gol; 2_16473950	10.2	promoter
AT4G26000	PEPPER (PEP)	Encodes a nove 4_13196316	10.2	proximal promoter
AT2G39460	RIBOSOMAL PROTEIN L23AA (RPL23AA	Encodes a 60S 2_16473950	10.2	promoter
AT1G30825	DISTORTED TRICHOMES 2 (DIS2)	Involved in trich 1_10959866	10.19	proximal promoter
AT4G37980	ELICITOR-ACTIVATED GENE 3-1 (ELI3-1	elicitor-activate 4_17852495	10.19	five_prime_UTR
AT2G17780	MID1-COMPLEMENTING ACTIVITY 2 (MC	mid1-compleme 2_7727499	10.19	promoter
AT4G16520	AUTOPHAGY 8F (ATG8F)	autophagy 8f (A 4_9308694	10.18	promoter
AT5G64570	BETA-D-XYLOSIDASE 4 (XYL4)	Encodes a beta 5_25814479	10.18	proximal promoter
AT2G04680	na	Cysteine/Histidi 2_1640222	10.18	exon
AT4G36780	BES1/BZR1 HOMOLOG 2 (BEH2)	BES1/BZR1 hor 4_17334473	10.17	promoter
AT3G57990	na	unknown proteir 3_21473021	10.17	proximal promoter
AT4G36790	na	Major facilitator 4_17334473	10.17	proximal promoter
AT1G30630	na	Coatomer epsil 1_10860493	10.17	promoter
AT1G30640	na	Protein kinase f; 1_10860493	10.17	promoter
AT5G05965	na	unknown proteir 5_1792703	10.17	promoter
AT5G15410	DEFENSE NO DEATH 1 (DND1)	'defense, no dei 5_5006992	10.16	promoter
AT5G15430	na	Plant calmodulir 5_5006992	10.16	proximal promoter
AT5G15420	na	unknown proteir 5_5006992	10.16	intergenic
AT4G34050	CAFFEYOYL COENZYME A O-METHYLTR	caffeoyl coenzy 4_16310620	10.15	promoter
AT1G73360	HOMEODOMAIN GLABROUS 11 (HDG11	Encodes a hom 1_27578830	10.15	three_prime_UTR
AT1G73350	na	unknown proteir 1_27578830	10.15	proximal promoter
AT1G69850	NITRATE TRANSPORTER 1:2 (NRT1:2)	Encodes an ind 1_26299199	10.15	intron
AT3G13520	ARABINOGALACTAN PROTEIN 12 (AGP	Encodes a GPI- 3_4406486	10.14	proximal promoter
AT5G64260	EXORDIUM LIKE 2 (EXL2)	EXORDIUM like 5_25702707	10.14	proximal promoter
AT3G46700	na	UDP-Glycosyltr; 3_17204724	10.14	proximal promoter
AT1G07570	(APK1A)	Protein kinase c 1_2333728	10.13	intron
AT5G67360	(ARA12)	Encodes a subt 5_26872278	10.13	exon
AT1G09560	GERMIN-LIKE PROTEIN 5 (GLP5)	germin-like prot 1_3093785	10.13	promoter
AT5G50900	na	ARM repeat su; 5_20706804	10.13	promoter
AT1G15250	na	Zinc-binding rib 1_5249665	10.13	promoter
AT1G15260	na	unknown proteir 1_5249665	10.13	promoter
AT1G65830	na	pre-tRNA; tRNA 1_24487858	10.13	proximal promoter
AT1G07580	na	pre-tRNA; tRNA 1_2333728	10.13	proximal promoter
AT1G15270	na	Translation mac 1_5249665	10.13	intergenic
AT5G10946	na	unknown proteir 5_3459240	10.13	proximal promoter
AT5G10950	na	Tudor/PWWP/l; 5_3459240	10.13	downstream
AT1G09570	PHYTOCHROME A (PHYA)	Light-labile cyto 1_3093785	10.13	intergenic
AT3G44260	CCR4- ASSOCIATED FACTOR 1A (CAF1	Encodes one of 3_15953162	10.12	promoter
AT1G56600	GALACTINOL SYNTHASE 2 (GolS2)	GolS2 is a galac 1_21207205	10.12	promoter

AT5G16210	na	HEAT repeat-cc 5_5290470	10.12	intergenic
AT5G16200	na	50S ribosomal r 5_5290470	10.12	promoter
AT3G46600	na	GRAS family tra 3_17157862	10.12	promoter
AT5G62865	na	unknown protei 5_25235343	10.11	intergenic
AT4G31890	na	ARM repeat sur 4_15427044	10.11	intron
AT4G11330	MAP KINASE 5 (MPK5)	MAP kinase 4_6891878	10.1	promoter
AT5G49280	na	hydroxyproline-i 5_19977998	10.1	proximal promoter
AT4G23910	na	unknown protei 4_12430702	10.1	intergenic
AT4G23915	na	Encodes an ala 4_12430702	10.1	intergenic
AT4G23920	UDP-D-GLUCOSE/UDP-D-GALACTOSE	Encodes a prote 4_12430702	10.1	proximal promoter
AT1G65590	BETA-HEXOSAMINIDASE 3 (HEXO3)	Encodes a prote 1_24387536	10.09	intron
AT3G47340	GLUTAMINE-DEPENDENT ASPARAGINE	encodes a gluta 3_17441423	10.09	promoter
AT3G47341	na	unknown protei 3_17441423	10.09	exon
AT5G03110	na	FUNCTIONS IN 5_731832	10.09	intergenic
AT5G03120	na	unknown protei 5_731832	10.09	proximal promoter
AT4G03390	STRUBBELIG-RECEPTOR FAMILY 3 (SR	STRUBBELIG-r 4_1495499	10.09	promoter
AT3G59340	na	Eukaryotic prote 3_21931683	10.08	promoter
AT3G59350	na	Protein kinase s 3_21931683	10.08	proximal promoter
AT1G71691	na	GDSL-like Lipas 1_26952234	10.08	proximal promoter
AT5G50740	na	Heavy metal tra 5_20638402	10.07	promoter
AT2G36400	GROWTH-REGULATING FACTOR 3 (GR	Growth regulatr 2_15271093	10.06	intron
AT1G62370	na	RING/U-box su 1_23072985	10.06	exon
AT2G36390	STARCH BRANCHING ENZYME 2.1 (SBE	Encodes a star 2_15271093	10.06	intergenic
AT2G28840	XB3 ORTHOLOG 1 IN ARABIDOPSIS TH	XB3 ortholog 1 | 2_12375648	10.06	proximal promoter
AT4G36920	APETALA 2 (AP2)	Encodes a flora 4_17398905	10.05	proximal promoter
AT2G22850	BASIC LEUCINE-ZIPPER 6 (bZIP6)	basic leucine-zip 2_9731789	10.05	intron
AT5G65630	GLOBAL TRANSCRIPTION FACTOR GR1	This gene is pre 5_26230020	10.05	proximal promoter
AT2G22840	GROWTH-REGULATING FACTOR 1 (GR	Growth regulatr 2_9731789	10.05	intergenic
AT3G05220	na	Heavy metal tra 3_1488551	10.05	promoter
AT5G19240	na	Glycoprotein me 5_6470069	10.05	promoter
AT5G19250	na	Glycoprotein me 5_6470069	10.05	proximal promoter
AT5G55040	na	DNA-binding br 5_22331925	10.05	promoter
AT3G21070	NAD KINASE 1 (NADK1)	Encodes a prote 3_7385189	10.05	proximal promoter
AT1G69130	na	pre-tRNA; tRNA 1_25988923	10.04	proximal promoter
AT1G63860	na	Disease resistai 1_23706229	10.04	promoter
AT1G77210	SUGAR TRANSPORT PROTEIN 14 (STP	AtSTP14 belong 1_29008343	10.04	intergenic
AT3G61150	HOMEODOMAIN GLABROUS 1 (HDG1)	Encodes a hom 3_22635384	10.03	intergenic
AT3G61160	na	Protein kinase s 3_22635384	10.03	promoter
AT5G05250	na	unknown protei 5_1558407	10.01	promoter
AT1G27100	na	Actin cross-linki 1_9408783	10.01	intron
AT3G54200	na	Late embryo ger 3_20065044	10	proximal promoter
AT3G54210	na	Ribosomal prote 3_20065044	10	intergenic
AT1G02390	GLYCEROL-3-PHOSPHATE ACYLTRANS	Encodes a merr 1_480752	9.99	promoter
AT1G80400	na	RING/U-box su 1_30224121	9.99	proximal promoter
AT3G10960	AZA-GUANINE RESISTANT1 (AZG1)	Encodes a hom 3_3429034	9.98	proximal promoter
AT1G49450	na	Transducin/WD 1_18307179	9.98	three_prime_UTR
AT1G19490	na	Basic-leucine zi 1_6754311	9.97	promoter
AT3G08590	2,3-BIPHOSPHOGLYCERATE-INDEPEN	Phosphoglycerc 3_2612157	9.96	proximal promoter
AT5G47990	CYTOCHROME P450, FAMILY 705, SUBF	encodes a mem 5_19440240	9.96	intergenic
AT3G08600	na	Protein of unknc 3_2612157	9.96	promoter
AT5G42090	na	Lung seven trar 5_16828579	9.96	downstream
AT5G42092	na	Potential natura 5_16828579	9.96	proximal promoter
AT1G29395	COLD REGULATED 314 INNER MEMBR/	Integral membr 1_10288050	9.95	downstream
AT1G29390	COLD REGULATED 314 THYLAKOID ME	Integral membr 1_10288050	9.95	intron
AT1G66500	na	Pre-mRNA clea 1_24812718	9.95	promoter
AT1G66510	na	AAR2 protein fa 1_24812718	9.95	promoter
AT5G15220	na	Ribosomal prote 5_4942964	9.95	promoter
AT3G18710	PLANT U-BOX 29 (PUB29)	Encodes a prote 3_6438017	9.95	proximal promoter
AT2G23450	na	Protein kinase s 2_9991351	9.94	intron
AT3G06130	na	Heavy metal tra 3_1855051	9.94	five_prime_UTR
AT1G15520	ATP-BINDING CASSETTE G40 (ABCG40	ABC transporter 1_5339612	9.93	proximal promoter
AT3G27170	CHLORIDE CHANNEL B (CLC-B)	member of Anio 3_10022674	9.93	proximal promoter
AT1G42540	GLUTAMATE RECEPTOR 3.3 (GLR3.3)	member of Puta 1_15976966	9.93	intergenic
AT5G01880	na	RING/U-box su 5_339400	9.93	exon
AT5G01881	na	unknown protei 5_339400	9.93	promoter
AT1G15530	na	Concanavalin A 1_5339612	9.93	intergenic
AT5G39050	PHENOLIC GLUCOSIDE MALONYLTRAN	Encodes a malc 5_15630834	9.93	intergenic
AT1G42550	PLASTID MOVEMENT IMPAIRED1 (PM1	Encodes a pian 1_15976966	9.93	promoter
AT1G12610	DWARF AND DELAYED FLOWERING 1 (	Encodes a merr 1_4289479	9.91	intergenic
AT2G35470	na	unknown protei 2_14908762	9.91	downstream
AT2G35480	na	unknown protei 2_14908762	9.91	proximal promoter
AT2G29660	na	zinc finger (C2F 2_12680350	9.91	exon
AT3G49870	ADP-RIBOSYLATION FACTOR-LIKE A1C	A member of Af 3_18494415	9.9	promoter
AT3G61580	SPHINGOID LCB DESATURASE 1 (SLD1	Fatty acid/sphin 3_22785851	9.9	promoter
AT3G24503	ALDEHYDE DEHYDROGENASE 2C4 (AL	Arabidopsis tha 3_8923152	9.88	promoter
AT3G62630	na	Protein of unknc 3_23162932	9.88	intergenic
AT2G22080	na	unknown protei 2_9386480	9.88	promoter
AT2G33570	na	Domain of unknc 2_14216682	9.88	proximal promoter
AT2G22430	HOMEOBOX PROTEIN 6 (HB6)	Encodes a hom 2_9527842	9.87	promoter
AT2G47440	na	Tetrapeptide 2_19469711	9.87	promoter
AT4G39838	na	Potential natura 4_18487053	9.87	proximal promoter
AT4G39840	na	unknown protei 4_18487053	9.87	intergenic
AT1G52890	NAC DOMAIN CONTAINING PROTEIN 15	encodes a NAC 1_19699380	9.87	proximal promoter
AT4G26610	D6 PROTEIN KINASE LIKE 1 (D6PKL1)	D6 protein kinas 4_13423935	9.85	proximal promoter
AT4G26600	na	S-adenosyl-L-m 4_13423935	9.85	downstream
AT1G64090	RETICULAN LIKE PROTEIN B3 (RTNLB3	Reticulan like pr 1_23789186	9.85	intron
AT3G16720	TOXICOS EN LEVADURA 2 (ATL2)	RING-H2 protei 3_5693834	9.85	three_prime_UTR
AT4G21437	na	unknown pseu 4_11417356	9.84	intron
AT2G47480	na	Protein of unknc 2_19485602	9.84	proximal promoter
AT2G47485	na	unknown protei 2_19485602	9.84	promoter
AT2G47490	NAD+ TRANSPORTER 1 (NDT1)	Encodes a chloi 2_19485602	9.84	proximal promoter
AT2G47470	UNFERTILIZED EMBRYO SAC 5 (UNES)	Encodes a prote 2_19485602	9.84	intergenic
AT5G65670	INDOLE-3-ACETIC ACID INDUCIBLE 9 (I	auxin (indole-3- 5_26253395	9.83	promoter
AT1G62660	na	Glycosyl hydrok 1_23200993	9.83	intron

AT5G05480	na	Peptide-N4-(N-i	5_1624353	9.83	promoter
AT1G44760	na	Adenine nucleoi	1_16898610	9.83	five_prime_UTR
AT4G08910	na	unknown proteir	4_5717878	9.83	intergenic
AT5G25615	na	transposable eir	5_8923455	9.83	intergenic
AT4G29190	OXIDATION-RELATED ZINC FINGER 2 ((	Zinc finger C-x8	4_14393525	9.83	promoter
AT5G05490	SYNAPTIC 1 (SYN1)	Encodes a RAD	5_1624353	9.83	exon
AT1G71697	CHOLINE KINASE 1 (CK1)	Encodes cholins	1_26971194	9.82	promoter
AT2G30040	MITOGEN-ACTIVATED PROTEIN KINASE	member of MEK	2_12813677	9.82	intergenic
AT2G30020	na	Encodes AP2C	2_12813677	9.82	proximal promoter
AT2G30032	na	unknown proteir	2_12813677	9.82	intergenic
AT5G44680	na	DNA glycosylas	5_18026132	9.82	promoter
AT5G45660	na	unknown proteir	5_18527619	9.82	intergenic
AT5G45670	na	GDSL-like Lipas	5_18527619	9.82	proximal promoter
AT5G19780	TUBULIN ALPHA-5 (TUA5)	Encodes an isol	5_6686956	9.82	promoter
AT2G45660	AGAMOUS-LIKE 20 (AGL20)	Controls floweri	2_18806888	9.81	intergenic
AT2G45650	AGAMOUS-LIKE 6 (AGL6)	Sequence sugg	2_18806888	9.81	intergenic
AT2G27050	ETHYLENE-INSENSITIVE3-LIKE 1 (EIL1)	ethylene-insens	2_11548788	9.81	intergenic
AT2G27060	na	Leucine-rich ref	2_11548788	9.81	proximal promoter
AT5G60760	na	P-loop containir	5_24436881	9.81	proximal promoter
AT5G63980	(SAL1)	Encodes a bifur	5_25609481	9.8	promoter
AT4G19112	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open	4_10459414	9.8	promoter
AT5G54510	DWARF IN LIGHT 1 (DFL1)	Encodes an IAA	5_22134790	9.8	proximal promoter
AT5G09590	MITOCHONDRIAL HSO70 2 (MTHSC70-2)	heat shock prot	5_2975183	9.8	promoter
AT4G19110	na	Protein kinase s	4_10459414	9.8	promoter
AT5G09585	U2 SMALL NUCLEOLAR RNAs (U2.5)	U2.5; snRNA; g	5_2975183	9.8	exon
AT4G33200	(X1-I)	member of Myo	4_16002373	9.79	downstream
AT4G30490	na	AFG1-like ATPe	4_14902678	9.79	proximal promoter
AT4G30500	na	Protein of unkn	4_14902678	9.79	proximal promoter
AT5G54580	na	RNA-binding (R	5_22173306	9.79	intergenic
AT5G54585	na	unknown proteir	5_22173306	9.79	proximal promoter
AT4G33180	na	alpha/beta-Hydi	4_16002373	9.79	downstream
AT5G60850	OBF BINDING PROTEIN 4 (OBP4)	Encodes a zinc	5_24480344	9.79	promoter
AT1G76185	na	unknown proteir	1_28588669	9.78	proximal promoter
AT5G13080	WRKY DNA-BINDING PROTEIN 75 (WRK	WRKY75 is one	5_4151792	9.78	proximal promoter
AT1G67940	ATP-BINDING CASSETTE I17 (ABCI17)	member of NAP	1_25477637	9.77	promoter
AT5G20330	BETA-1,3-GLUCANASE 4 (BETAG4)	beta-1,3-glucan	5_6871022	9.77	proximal promoter
AT1G67930	na	Golgi transport	1_25477637	9.77	promoter
AT3G56880	na	VQ motif-contai	3_21059964	9.77	five_prime_UTR
AT4G31800	WRKY DNA-BINDING PROTEIN 18 (WRK	Pathogen-induc	4_15381518	9.77	proximal promoter
AT1G51700	DOF ZINC FINGER PROTEIN 1 (DOF1)	Encodes dof zin	1_19175416	9.75	downstream
AT3G04730	INDOLEACETIC ACID-INDUCED PROTEI	early auxin-indu	3_1292091	9.75	proximal promoter
AT1G73060	LOW PSII ACCUMULATION 3 (LPA3)	Low PSII Accur	1_27478826	9.75	promoter
AT3G04721	na	unknown proteir	3_1292091	9.75	intergenic
AT3G04732	na	unknown proteir	3_1292091	9.75	intergenic
AT5G67630	na	P-loop containir	5_26967185	9.75	downstream
AT5G67620	na	unknown proteir	5_26967185	9.75	proximal promoter
AT1G51710	UBIQUITIN-SPECIFIC PROTEASE 6 (UBF	Ubiquitin-specif	1_19175416	9.75	downstream
AT3G58750	CITRATE SYNTHASE 2 (CSY2)	Encodes a pero	3_21727813	9.74	promoter
AT1G29690	CONSTITUTIVELY ACTIVATED CELL DE	Encodes a prote	1_10374939	9.74	intergenic
AT4G09965	na	unknown proteir	4_6245698	9.74	promoter
AT4G09970	na	unknown proteir	4_6245698	9.74	promoter
AT1G29670	na	GDSL-like Lipas	1_10374939	9.74	proximal promoter
AT1G29680	na	Protein of unkn	1_10374939	9.74	intergenic
AT5G08150	SUPPRESSOR OF PHYTOCHROME B 5	Encodes SOB5	5_2623623	9.74	proximal promoter
AT1G21470	na	BEST Arabidop:	1_7515760	9.73	intergenic
AT3G16270	na	ENTH/VHS fam	3_5513242	9.73	promoter
AT3G61840	na	Protein of unkn	3_22893759	9.73	intergenic
AT3G16260	TRNASE Z4 (TRZ4)	Encodes a tRN:	3_5513242	9.73	downstream
AT4G31550	WRKY DNA-BINDING PROTEIN 11 (WRK	member of WR1	4_15292644	9.73	proximal promoter
AT1G19350	BRI1-EMS-SUPPRESSOR 1 (BES1)	Encodes brassi	1_6687260	9.72	proximal promoter
AT1G22651	na	unknown proteir	1_8016825	9.72	intergenic
AT1G22660	na	Polynucleotide	1_8016825	9.72	proximal promoter
AT3G57630	na	exostosin fami	3_21344156	9.72	promoter
AT1G19340	na	Methyltransfera	1_6687260	9.72	downstream
AT3G14860	na	NHL domain-co	3_5002214	9.72	proximal promoter
AT3G14870	na	Plant protein of	3_5002214	9.72	promoter
AT1G13260	RELATED TO ABI3/VP1 1 (RAV1)	Encodes an AP:	1_4542032	9.72	promoter
AT3G59970	METHYLENETETRAHYDROFOLATE RED	methylenetetra	3_22150707	9.71	promoter
AT1G01490	na	Heavy metal tra	1_183471	9.71	proximal promoter
AT4G29130	HEXOKINASE 1 (HXK1)	Encodes a hexc	4_14359719	9.7	intergenic
AT5G43020	na	Leucine-rich ref	5_17257916	9.7	promoter
AT1G77630	LYSIN-MOTIF (LYSM) DOMAIN PROTEIN	Encodes a lysin	1_29173264	9.69	promoter
AT5G62280	na	Protein of unkn	5_25019236	9.69	intergenic
AT5G62290	na	nucleotide-sens	5_25019236	9.69	promoter
AT5G44130	FASCICLIN-LIKE ARABINOGLACTAN P	FASCICLIN-like	5_17759549	9.68	proximal promoter
AT4G30200	VERNALIZATION5/VIN3-LIKE 1 (VEL1)	Encodes a prote	4_14790585	9.68	promoter
AT1G73965	CLAVATA3/ESR-RELATED 13 (CLE13)	Member of a lar	1_27816669	9.67	downstream
AT2G02080	INDETERMINATE(ID)-DOMAIN 4 (IDD4)	indeterminate(I	2_519600	9.67	intron
AT1G73970	na	unknown proteir	1_27816669	9.67	promoter
AT4G15545	na	unknown proteir	4_8875607	9.67	promoter
AT4G30430	TETRASPANIN9 (TET9)	Member of TET	4_14884714	9.67	intergenic
AT4G30440	UDP-D-GLUCURONATE 4-EPIMERASE 1	UDP-D-glucuroi	4_14884714	9.67	proximal promoter
AT3G08970	(ATERDJ3A)	J domain protei	3_2737195	9.66	promoter
AT5G62530	ALDEHYDE DEHYDROGENASE 12A1 (A	Encodes mitoch	5_25097644	9.66	intergenic
AT4G33430	BRI1-ASSOCIATED RECEPTOR KINASE	Leu-rich recept	4_16090892	9.66	promoter
AT3G50690	na	Leucine-rich ref	3_18837506	9.66	promoter
AT4G33440	na	Pectin lyase-like	4_16090892	9.66	proximal promoter
AT3G54010	PASTICCINO 1 (PAS1)	Immunophilin-li	3_19999743	9.66	proximal promoter
AT5G62520	SIMILAR TO RCD ONE 5 (SRO5)	Encodes a prote	5_25097644	9.66	promoter
AT4G33050	EMBRYO SAC DEVELOPMENT ARREST	Encodes a calm	4_15947169	9.65	promoter
AT2G01810	na	RING/FYVE/PH	2_347498	9.65	promoter
AT5G02460	na	Dof-type zinc fir	5_537185	9.64	intergenic
AT3G50480	HOMOLOG OF RPW8 4 (HR4)	Homolog of RPI	3_18733011	9.63	promoter
AT3G51670	na	SEC14 cytosolic	3_19168337	9.63	proximal promoter

AT1G56630	na	alpha/beta-Hydr	1_21228185	9.62	proximal promoter
AT2G32580	na	Protein of unkn	2_13826280	9.62	proximal promoter
AT2G32560	na	F-box family prc	2_13826280	9.62	intron
AT5G23870	na	Pectinacetyl	5_8048901	9.62	intron
AT5G55400	na	Actin binding C	5_22459531	9.62	proximal promoter
AT2G46720	3-KETOACYL-COA SYNTHASE 13 (KCS1)	Encodes KCS1	1_2_19198234	9.61	five_prime_UTR
AT3G21100	na	RNA-binding (R	3_7397487	9.61	proximal promoter
AT2G27310	na	F-box family prc	2_11684227	9.6	exon
AT1G55810	URIDINE KINASE-LIKE 3 (UKL3)	One of the hom	1_20860486	9.6	promoter
AT1G05065	CLAVATA3/ESR-RELATED 20 (CLE20)	Member of a lar	1_1455933	9.59	proximal promoter
AT1G02350	na	protoporphyrin	o_1_468894	9.59	proximal promoter
AT5G47229	na	This gene enc	5_19178239	9.59	intergenic
AT1G05070	na	Protein of unkn	1_1455933	9.59	intergenic
AT2G34720	NUCLEAR FACTOR Y, SUBUNIT A4 (NF-	nuclear factor Y	2_14651946	9.59	promoter
AT4G01070	(GT72B1)	the glycosyltran	4_465131	9.58	proximal promoter
AT3G56260	na	unknown protein	3_20869720	9.58	proximal promoter
AT3G56270	na	Plant protein of	3_20869720	9.58	promoter
AT4G14230	na	FUNCTIONS IN	4_8203380	9.58	promoter
AT3G56800	CALMODULIN 3 (CAM3)	encodes a calm	3_21036228	9.57	promoter
AT5G65460	KINESIN LIKE PROTEIN FOR ACTIN BAS	Kinesin that bin	5_26169766	9.57	proximal promoter
AT3G51600	LIPID TRANSFER PROTEIN 5 (LTP5)	Predicted to enc	3_19137435	9.57	intergenic
AT3G26511	na	unknown protein	3_9714068	9.57	proximal promoter
AT4G22780	ACT DOMAIN REPEAT 7 (ACR7)	Member of a far	4_11971534	9.56	promoter
AT1G08490	CHLOROPLASTIC NIFS-LIKE CYSTEINE	Chloroplastic Ni	1_2688789	9.56	promoter
AT1G08500	EARLY NODULIN-LIKE PROTEIN 18 (EN	early nodulin-lik	1_2688789	9.56	promoter
AT4G24972	TAPETUM DETERMINANT 1 (TPD1)	Encodes a nove	4_12836875	9.56	promoter
AT4G14680	(APS3)	ATP sulfurylase	4_8415936	9.55	proximal promoter
AT5G66320	GATA TRANSCRIPTION FACTOR 5 (GAT	Encodes GATA	5_26500292	9.55	proximal promoter
AT5G66330	na	Leucine-rich re	5_26500292	9.55	downstream
AT1G02560	NUCLEAR ENCODED CLP PROTEASE 5	One of several	1_537753	9.55	promoter
AT4G15620	na	Uncharacterise	4_8914867	9.54	intron
AT5G54470	na	B-box type zinc	5_22116002	9.53	proximal promoter
AT1G04990	na	Zinc finger C-x	8_1_1422274	9.52	promoter
AT4G27300	na	S-locus lectin	pr_4_13672749	9.52	promoter
AT1G35160	GF14 PROTEIN PHI CHAIN (GF14 PHI)	GF14 protein pf	1_12867051	9.51	promoter
AT5G62220	GLYCOSYLTRANSFERASE 18 (GT18)	Encodes a Golc	5_24991190	9.51	proximal promoter
AT2G20635	na	ATP binding;prc	2_8900175	9.51	promoter
AT2G17300	na	unknown protei	2_7523050	9.51	promoter
AT2G20630	PP2C INDUCED BY AVRPPM1 (PIA1)	PP2C induced t	2_8900175	9.51	promoter
AT1G65590	BETA-HEXOSAMINIDASE 3 (HEXO3)	Encodes a prot	1_24388582	9.5	intron
AT4G39040	na	RNA-binding Cf	4_18191123	9.5	proximal promoter
AT3G08730	PROTEIN-SERINE KINASE 1 (PK1)	Encodes a prot	3_2651208	9.5	intergenic
AT3G08720	SERINE/THREONINE PROTEIN KINASE	Encodes a ribos	3_2651208	9.5	promoter
AT4G18700	CBL-INTERACTING PROTEIN KINASE 1	Encodes CBL-ir	4_10288540	9.49	intergenic
AT3G60190	DYNAMIN-LIKE 1E (DL1E)	At3g60190 enc	3_22248636	9.49	proximal promoter
AT3G52370	FASCICLIN-LIKE ARABINOGLACTAN P	FASCICLIN-like	3_19415077	9.49	proximal promoter
AT1G56165	na	Potential natura	1_21024562	9.49	promoter
AT3G60200	na	unknown protein	3_22248636	9.49	proximal promoter
AT1G30250	na	unknown protei	1_10649302	9.49	proximal promoter
AT3G62650	na	unknown protei	3_23167833	9.49	promoter
AT1G56170	NUCLEAR FACTOR Y, SUBUNIT C2 (NF-	Encodes a prot	1_21024562	9.49	promoter
AT5G67480	BTB AND TAZ DOMAIN PROTEIN 4 (BT	BTB and TAZ di	5_26935055	9.48	proximal promoter
AT5G67488	na	Potential natura	5_26935055	9.48	downstream
AT5G67490	na	unknown protei	5_26935055	9.48	promoter
AT5G18440	NUCLEAR FMRP-INTERACTING PROTE	Encodes NUFIF	5_6112632	9.48	promoter
AT5G67500	VOLTAGE DEPENDENT ANION CHANNEL	Encodes a volta	5_26935055	9.48	promoter
AT1G07720	3-KETOACYL-COA SYNTHASE 3 (KCS3)	Encodes KCS3,	1_2390207	9.47	intergenic
AT5G42100	BETA-1,3-GLUCANASE_PUTATIVE (BG	encodes a plas	5_16831308	9.47	promoter
AT3G26230	CYTOCHROME P450, FAMILY 71, SUBF	putative cytochr	3_9597955	9.47	downstream
AT3G26220	CYTOCHROME P450, FAMILY 71, SUBF	cytochrome P4	3_9597955	9.47	promoter
AT5G28620	na	protein kinase	C_5_10613931	9.47	proximal promoter
AT5G42110	na	unknown protei	5_16831308	9.47	intergenic
AT4G03550	GLUCAN SYNTHASE-LIKE 5 (GSL05)	Encodes a call	4_1579886	9.46	downstream
AT5G64250	na	Aldolase-type	T_5_25701190	9.46	proximal promoter
AT1G67580	na	Protein kinase	s_1_25332725	9.46	proximal promoter
AT1G67590	na	Remorin family	1_25332725	9.46	intergenic
AT5G02240	na	Protein is tyros	ii_5_451340	9.46	promoter
AT4G03560	TWO-PORE CHANNEL 1 (TPC1)	Encodes a depc	4_1579886	9.46	promoter
AT3G20290	EPS15 HOMOLOGY DOMAIN 1 (EHD1)	Encodes AtEHC	3_7078977	9.45	promoter
AT3G20300	na	Protein of unkn	3_7078977	9.45	intergenic
AT5G57780	P1R1 (P1R1)	Encodes a atyp	5_23406428	9.45	promoter
AT5G24910	CYTOCHROME P450, FAMILY 714, SUBF	Member of CYP	5_8570637	9.44	promoter
AT1G23020	FERRIC REDUCTION OXIDASE 3 (FRO3	Encodes a ferric	1_8153662	9.44	promoter
AT5G48460	na	Actin binding C	5_19639604	9.44	promoter
AT4G14900	na	FRIGIDA-like	pr_4_8523937	9.44	promoter
AT1G69260	ABI FIVE BINDING PROTEIN (AFP1)	ABI five binding	1_26037829	9.43	proximal promoter
AT1G69252	na	other RNA	1_26037829	9.43	downstream
AT1G69270	RECEPTOR-LIKE PROTEIN KINASE 1 (R	RPK1 is a leucir	1_26037829	9.43	intergenic
AT4G13395	ROTUNDIFOLIA LIKE 12 (RTFL12)	ROTUNDIFOLI	4_7787424	9.43	proximal promoter
AT1G28480	(GRX480)	Encodes GRX4	1_10014243	9.42	promoter
AT5G03730	CONSTITUTIVE TRIPLE RESPONSE 1 (C	Homologous to	5_981725	9.42	proximal promoter
AT5G03740	HISTONE DEACETYLASE 2C (HD2C)	HD2-type histor	5_981725	9.42	promoter
AT1G61350	na	ARM repeat sur	1_22632794	9.41	proximal promoter
AT5G22950	(VPS24.1)	VPS24.1; CON	5_7680405	9.4	proximal promoter
AT1G78280	na	transferases, tr	1_29452662	9.4	five_prime_UTR
AT1G78265	na	Potential natura	1_29452662	9.4	intergenic
AT4G33150	na	Encodes two pr	4_15991938	9.4	promoter
AT3G62260	na	Protein phosph	3_23040879	9.4	promoter
AT4G28910	NOVEL INTERACTOR OF JAZ (NINJA)	novel interacto	4_14266792	9.4	promoter
AT1G09960	SUCROSE TRANSPORTER 4 (SUT4)	low affinity (10	n_1_3242946	9.4	proximal promoter
AT1G78270	UDP-GLUCOSYL TRANSFERASE 85A4	UDP-glucosyl tr	1_29452662	9.4	promoter
AT4G28730	GLUTAREDOXIN C5 (GrxC5)	Encodes a glut	4_14198571	9.39	proximal promoter
AT3G12110	ACTIN-11 (ACT11)	Encodes an act	3_3857598	9.38	promoter
AT2G36230	ALBINO AND PALE GREEN 10 (APG10)	Encodes a BBM	2_15193393	9.38	intergenic

AT5G65940	BETA-HYDROXYISOBUTYRYL-COA HYC	hydrolyzes beta 5_26376477	9.38	downstream
AT1G24400	LYSINE HISTIDINE TRANSPORTER 2 (LH	High-affinity trar 1_8651270	9.38	downstream
AT3G09970	na	Calcineurin-like 3_3065640	9.38	downstream
AT1G56150	na	SAUR-like auxin 1_21016290	9.38	proximal promoter
AT2G36220	na	unknown proteir 2_15193393	9.38	three_prime_UTR
AT1G07250	UDP-GLUCOSYL TRANSFERASE 71C4 (	UDP-glucosyl tr 1_2224590	9.38	proximal promoter
AT1G07240	UDP-GLUCOSYL TRANSFERASE 71C5 (	UDP-glucosyl tr 1_2224590	9.38	exon
AT5G65930	ZWICHEL (ZWI)	encodes a nove 5_26376477	9.38	five_prime_UTR
AT4G37540	LOB DOMAIN-CONTAINING PROTEIN 35	LOB domain-co 4_17643365	9.37	proximal promoter
AT5G58730	MYO-INOSITOL KINASE (MIK)	pkB-like carbof 5_23723232	9.37	downstream
AT5G58720	na	smr (Small Mut) 5_23723232	9.37	promoter
AT4G37550	na	Acetamidase/Fc 4_17643365	9.37	promoter
AT4G18630	na	Protein of unknc 4_10255750	9.36	proximal promoter
AT1G28260	na	Telomerase acti 1_9879285	9.36	promoter
AT1G08500	EARLY NODULIN-LIKE PROTEIN 18 (EN1	early nodulin-lik 1_2691148	9.35	intergenic
AT1G08510	FATTY ACYL-ACP THIOESTERASES B (f	Encodes an acy 1_2691148	9.35	three_prime_UTR
AT5G15310	MYB DOMAIN PROTEIN 16 (MYB16)	Member of the F 5_4977099	9.35	intergenic
AT5G15320	na	unknown proteir 5_4977099	9.35	promoter
AT4G36988	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 4_17441612	9.34	three_prime_UTR
AT3G59420	CRINKLY4 (CR4)	Encodes a merr 3_21963160	9.34	promoter
AT2G18960	H(+)-ATPASE 1 (HA1)	Encodes a plasi 2_8216213	9.34	intergenic
AT4G36990	HEAT SHOCK FACTOR 4 (HSF4)	encodes a prote 4_17441612	9.34	three_prime_UTR
AT2G35020	N-ACETYLGLUCOSAMINE-1-PHOSPHA1	Encodes a prote 2_14757837	9.34	intron
AT1G12990	na	beta-1,4-N-acet 1_4433484	9.34	promoter
AT5G56590	na	O-Glycosyl hydr 5_22907198	9.34	promoter
AT4G37590	NAKED PINS IN YUC MUTANTS 5 (NPY5	A member of the 4_17666503	9.34	promoter
AT5G37020	AUXIN RESPONSE FACTOR 8 (ARF8)	Encodes a merr 5_14629454	9.33	proximal promoter
AT4G32480	na	Protein of unknc 4_15676284	9.33	promoter
AT5G11160	ADENINE PHOSPHORIBOSYLTRANSFE	adenine phosph 5_3550543	9.32	five_prime_UTR
AT5G15230	GAST1 PROTEIN HOMOLOG 4 (GASA4)	Encodes gibber 5_4946468	9.32	intergenic
AT3G61890	HOMEODOMAIN 12 (HB-12)	Encodes a hom 3_22917431	9.32	proximal promoter
AT1G31350	KAR-UP F-BOX 1 (KUF1)	KAR-UP F-box 1_11222777	9.32	five_prime_UTR
AT5G15240	na	Transmembran 5_4946468	9.32	proximal promoter
AT3G49790	na	Carbohydrate-b 3_18468043	9.32	downstream
AT3G49796	na	This gene encod 3_18468043	9.32	intergenic
AT3G49800	na	BSD domain-co 3_18468043	9.32	intergenic
AT3G57930	na	unknown proteir 3_21448771	9.31	promoter
AT3G57940	na	CONTAINS Inte 3_21448771	9.31	proximal promoter
AT2G31080	na	transposable elk 2_13230113	9.31	intergenic
AT1G67090	RIBULOSE BISPHTOSPHATE CARBOXYL	Encodes a merr 1_25048111	9.31	downstream
AT5G16560	KANADI (KAN)	Encodes a KAN 5_5411565	9.3	promoter
AT5G20700	na	Protein of unknc 5_7007224	9.3	promoter
AT4G37610	BTB AND TAZ DOMAIN PROTEIN 5 (bt5)	BTB and TAZ di 4_17672407	9.29	promoter
AT1G50290	na	unknown proteir 1_18627590	9.29	three_prime_UTR
AT5G64430	na	Octicosapeptide 5_25764261	9.29	promoter
AT4G37608	na	unknown proteir 4_17672407	9.29	intergenic
AT4G37620	na	transposable elk 4_17672407	9.29	intergenic
AT1G13110	CYTOCHROME P450, FAMILY 71 SUBFA	member of CYP 1_4466879	9.28	promoter
AT1G13100	CYTOCHROME P450, FAMILY 71, SUBF	putative cytochr 1_4466879	9.28	intergenic
AT2G15090	3-KETOACYL-COA SYNTHASE 8 (KCS8)	Encodes KCS8, 2_6541701	9.27	proximal promoter
AT5G23850	na	FUNCTIONS IN 5_8038493	9.27	intron
AT3G12150	na	unknown proteir 3_3879027	9.26	promoter
AT1G68620	na	alpha/beta-Hydr 1_25765809	9.25	promoter
AT5G48540	na	receptor-like prc 5_19670304	9.25	promoter
AT4G30350	na	Double Clip-N m 4_14852559	9.25	intergenic
AT3G18710	PLANT U-BOX 29 (PUB29)	Encodes a prote 3_6435820	9.25	promoter
AT1G17120	CATIONIC AMINO ACID TRANSPORTER	Encodes a merr 1_5851755	9.24	promoter
AT5G15350	EARLY NODULIN-LIKE PROTEIN 17 (EN1	early nodulin-lik 5_4984770	9.24	downstream
AT1G06590	na	unknown proteir 1_2025493	9.24	proximal promoter
AT1G06610	na	pre-tRNA; tRNA 1_2025493	9.24	downstream
AT1G06620	na	encodes a prote 1_2025493	9.24	promoter
AT5G40460	na	unknown proteir 5_16200767	9.24	proximal promoter
AT5G15340	na	Pentatricopeptic 5_4984770	9.24	proximal promoter
AT5G41600	VIRB2-INTERACTING PROTEIN 3 (BTI3)	VIRB2-interactir 5_16635959	9.24	promoter
AT1G17370	OLIGOURIDYLATE BINDING PROTEIN 1	oligouridylate bi 1_5955168	9.23	promoter
AT3G60530	GATA TRANSCRIPTION FACTOR 4 (GAT1	Encodes a merr 3_22371265	9.22	proximal promoter
AT3G19130	RNA-BINDING PROTEIN 47B (RBP47B)	RNA-binding prn 3_6614072	9.22	promoter
AT2G42570	TRICHOME BIREFRINGENCE-LIKE 39 (T	Encodes a merr 2_17722707	9.22	proximal promoter
AT5G65610	na	unknown proteir 5_26221544	9.21	intergenic
AT5G65615	na	pre-tRNA; tRNA 5_26221544	9.21	downstream
AT5G65620	na	Zincin-like meta 5_26221544	9.21	promoter
AT3G22370	ALTERNATIVE OXIDASE 1A (AOX1A)	Encodes AOX1; 3_7906598	9.2	promoter
AT1G10060	BRANCHED-CHAIN AMINO ACID TRANS	encodes a mito 1_3287506	9.2	intergenic
AT1G10070	BRANCHED-CHAIN AMINO ACID TRANS	Encodes a chl 1_3287506	9.2	proximal promoter
AT4G39350	CELLULOSE SYNTHASE A2 (CESA2)	Encodes a cellu 4_18302623	9.2	intergenic
AT5G11890	EMBRYO DEFECTIVE 3135 (EMB3135)	FUNCTIONS IN 5_3831570	9.2	promoter
AT4G39360	na	unknown proteir 4_18302623	9.2	promoter
AT3G47960	na	Major facilitator 3_17704696	9.2	intergenic
AT1G76880	na	Duplicated hom 1_28862019	9.2	intergenic
AT5G11900	na	Translation initi 5_3831570	9.2	proximal promoter
AT3G05840	(ATSK12)	encodes a SHA 3_1739018	9.19	proximal promoter
AT3G61640	ARABINOGALACTAN PROTEIN 20 (AGP)	arabinogalactan 3_22809935	9.19	downstream
AT3G57330	AUTOINHIBITED CA2+-ATPASE 11 (ACA	Lesion mimic ph 3_21215619	9.19	intron
AT4G09153	LOW-MOLECULAR-WEIGHT CYSTEINE-	Encodes a merr 4_5833611	9.19	proximal promoter
AT3G05835	na	pre-tRNA; tRNA 3_1739018	9.19	downstream
AT3G05830	na	Encodes alpha- 3_1739018	9.19	intergenic
AT4G09150	na	T-complex prote 4_5833611	9.19	three_prime_UTR
AT5G13180	NAC DOMAIN CONTAINING PROTEIN 83	Encodes a NAC 5_4193807	9.19	proximal promoter
AT5G41410	BELL 1 (BEL1)	Homeodomain f 5_16576723	9.18	intergenic
AT5G56980	na	unknown proteir 5_23057900	9.18	promoter
AT3G61420	na	BSD domain (B' 3_22732308	9.18	promoter
AT3G61430	PLASMA MEMBRANE INTRINSIC PROTE	a member of the 3_22732308	9.18	proximal promoter
AT5G46880	HOMEODOMAIN-7 (HB-7)	homeobox-7 (H 5_19035749	9.17	downstream
AT1G02850	na	Tetratricopeptid 1_575640	9.17	intergenic

AT1G02660	na	alpha/beta-Hydr	1_575640	9.17	proximal promoter
AT1G02670	na	P-loop containir	1_575640	9.17	promoter
AT3G03170	na	unknown proteir	3_731677	9.17	promoter
AT3G03180	na	Got1/Slt2-like v	3_731677	9.17	proximal promoter
AT3G45730	na	unknown proteir	3_16789837	9.17	promoter
AT3G45740	na	hydrolase family	3_16789837	9.17	proximal promoter
AT4G36970	na	Remorin family	4_17433014	9.17	proximal promoter
AT5G46890	na	Bifunctional inhi	5_19035749	9.17	intergenic
AT2G45660	AGAMOUS-LIKE 20 (AGL20)	Controls floweri	2_18814456	9.16	intergenic
AT5G01520	ABA INSENSITIVE RING PROTEIN 2 (AIR RING/U-box su)	5_210493	9.15	intergenic	
AT2G40810	HOMOLOG OF YEAST AUTOPHAGY 18C homolog of yea	2_17032332	9.15	promoter	
AT5G01530	LIGHT HARVESTING COMPLEX PHOTO	light harvesting	5_210493	9.15	downstream
AT2G04675	na	unknown proteir	2_1637783	9.15	exon
AT5G01542	na	Potential natura	5_210493	9.15	proximal promoter
AT5G25810	TINY (tny)	encodes a mem	5_8993218	9.15	intergenic
AT1G67370	ASYNAPTIC 1 (ASY1)	meiotic asynapt	1_25238248	9.14	intergenic
AT1G10370	EARLY-RESPONSIVE TO DEHYDRATIO	Encodes GSTU	1_3398828	9.14	promoter
AT4G02440	EMPFINDLICHER IM DUNKELROTEN LIC	EID1 is an F-bo	4_1072378	9.14	promoter
AT1G67360	na	Rubber elongati	1_25238248	9.14	promoter
AT1G67365	na	Potential natura	1_25238248	9.14	promoter
AT1G20780	SENESCENCE-ASSOCIATED E3 UBIQU	Encodes a prote	1_7216966	9.14	promoter
AT4G02430	SERINE/ARGININE-RICH PROTEIN SPLI	Barta et al (2011	4_1072378	9.14	downstream
AT4G36930	SPATULA (SPT)	Encodes a trans	4_17410677	9.14	intergenic
AT3G04620	D NUCLDUO1-ACTIVATEEIC ACID BINDI	Target promoter	3_1258087	9.13	proximal promoter
AT2G02540	HOMEBOX PROTEIN 21 (HB21)	Zinc finger hom	2_682521	9.13	proximal promoter
AT3G62090	PHYTOCHROME INTERACTING FACTOI	encodes a nove	3_22991246	9.13	proximal promoter
AT3G04630	WVD2-LIKE 1 (WDL1)	Member of a srr	3_1258087	9.13	promoter
AT5G57590	BIOTIN AUXOTROPH 1 (BIO1)	Mutant complen	5_23318302	9.12	downstream
AT1G28430	CYTOCHROME P450, FAMILY 705, SUBF	member of CYP	1_9991984	9.12	intergenic
AT5G03080	LIPID PHOSPHATE PHOSPHATASE GAN	Encodes a phos	5_721745	9.12	promoter
AT2G23770	LYSM-CONTAINING RECEPTOR-LIKE KI	protein kinase f	2_10122255	9.12	promoter
AT2G19800	MYO-INOSITOL OXYGENASE 2 (MIOX2)	Encodes a myo	2_8534860	9.12	proximal promoter
AT1G68470	na	Exostosin family	1_25677293	9.12	intron
AT4G23820	na	Pectin lyase-like	4_12399201	9.12	intron
AT4G30130	na	Protein of unkn	4_14734175	9.12	proximal promoter
AT5G57580	na	Calmodulin-bin	5_23318302	9.12	promoter
AT4G01320	(ATSTE24)	CAAX protease	4_550305	9.1	intergenic
AT4G26210	na	Mitochondrial A'	4_13279795	9.1	proximal promoter
AT3G07580	na	unknown proteir	3_2422888	9.1	promoter
AT4G01330	na	Protein kinase s	4_550305	9.1	promoter
AT4G01328	na	unknown proteir	4_550305	9.1	exon
AT2G26910	ATP-BINDING CASSETTE G32 (ABCG32	Encodes a merr	2_11481440	9.09	promoter
AT1G30570	HERCULES RECEPTOR KINASE 2 (HER	Encodes HERC	1_10827155	9.09	proximal promoter
AT4G11820	HYDROXYMETHYLGLUTARYL-COA SYN	Encodes a prote	4_7114050	9.09	proximal promoter
AT5G19040	ISOPENTENYLTRANSFERASE 5 (IPT5)	Encodes cytoKir	5_6362117	9.09	three_prime_UTR
AT1G20460	na	unknown proteir	1_7090053	9.09	proximal promoter
AT1G78080	RELATED TO AP2 4 (RAP2.4)	Encodes a merr	1_29363018	9.09	proximal promoter
AT2G16370	THYMIDYLATE SYNTHASE 1 (THY-1)	Encodes a bifur	2_7084684	9.09	promoter
AT2G18290	ANAPHASE PROMOTING COMPLEX 10	Encodes APC1(2_	7951385	9.08	proximal promoter
AT1G69150	na	Cysteine/Histidi	1_25997693	9.08	proximal promoter
AT1G51400	na	Photosystem II	1_19052717	9.08	promoter
AT1G51402	na	unknown proteir	1_19052717	9.08	intron
AT2G36053	na	unknown proteir	2_15140288	9.08	intergenic
AT1G51390	NFU DOMAIN PROTEIN 5 (NFU5)	Encodes a prote	1_19052717	9.08	intergenic
AT5G03690	FRUCTOSE-BISPHOSPHATE ALDOLASE	Aldolase superf.	5_966123	9.07	proximal promoter
AT1G01610	GLYCEROL-3-PHOSPHATE ACYLTRANS	Encodes a prote	1_223339	9.07	intron
AT5G44220	na	F-box family prc	5_17809127	9.07	proximal promoter
AT4G30780	na	unknown proteir	4_14990190	9.07	promoter
AT1G01630	na	Sec14p-like phc	1_223339	9.07	intergenic
AT5G03700	na	D-mannose bin	5_966123	9.07	exon
AT1G01620	PLASMA MEMBRANE INTRINSIC PROTE	a member of the	1_223339	9.07	intergenic
AT1G69120	APETALA1 (AP1)	Floral homeotic	1_25986450	9.06	promoter
AT3G49670	BARELY ANY MERISTEM 2 (BAM2)	Encodes a CLA	3_18415781	9.06	proximal promoter
AT5G10450	G-BOX REGULATING FACTOR 6 (GRF6)	Encodes a merr	5_3286453	9.06	promoter
AT3G49660	HUMAN WDR5 (WD40 REPEAT) HOMOL	Encodes a struc	3_18415781	9.06	downstream
AT4G05100	MYB DOMAIN PROTEIN 74 (MYB74)	Member of the F	4_2620567	9.06	intergenic
AT4G10940	na	RING/U-box prc	4_6711281	9.05	promoter
AT4G10950	na	SGNH hydrolas	4_6711281	9.05	downstream
AT2G36050	OVATE FAMILY PROTEIN 15 (OFP15)	ovate family pro	2_15136880	9.05	promoter
AT3G11410	PROTEIN PHOSPHATASE 2CA (PP2CA)	Encodes proteir	3_3585966	9.05	promoter
AT4G39090	RESPONSIVE TO DEHYDRATION 19 (RL	Similar to cystei	4_18217571	9.05	promoter
AT4G39100	SHORT LIFE (SHL)	Putative transcr	4_18217571	9.05	intergenic
AT4G39080	VACUOLAR PROTON ATPASE A3 (VHA-	Vacuolar proton	4_18217571	9.05	intergenic
AT5G64750	ABA REPRESSOR 1 (ABR1)	Encodes a puta	5_25890755	9.04	proximal promoter
AT1G67560	LIPOXYGENASE 6 (LOX6)	PLAT/LH2 dom	1_25319784	9.04	promoter
AT4G29140	ACTIVATED DISEASE SUSCEPTIBILITY	Encodes Activa	4_14373158	9.03	intergenic
AT4G01860	na	Transducin fami	4_808381	9.03	promoter
AT4G01865	na	pre-tRNA; tRNA	4_808381	9.03	promoter
AT4G01870	na	tolB protein-rela	4_808381	9.03	three_prime_UTR
AT4G01880	na	methyltransfera	4_808381	9.03	intergenic
AT1G76170	na	2-thiocytidine tR	1_28583591	9.03	intergenic
AT1G76160	SKU5 SIMILAR 5 (sk5s)	SKU5 similar 5	1_28583591	9.03	proximal promoter
AT3G57890	na	Tubulin binding	3_21438040	9.02	promoter
AT5G62280	na	Protein of unkn	5_25015532	9.02	proximal promoter
AT5G62270	na	FUNCTIONS IN	5_25015532	9.02	intergenic
AT5G60978	na	Encodes a ECA	5_24540525	9.01	proximal promoter
AT2G44610	(RAB6A)	Encodes a GTP	2_18410625	9	intergenic
AT1G08640	CHLOROPLAST J-LIKE DOMAIN 1 (CJD1	Encodes a chol	1_2747009	9	intergenic
AT1G13380	na	Protein of unkn	1_4590515	9	promoter
AT2G44600	na	unknown proteir	2_18410625	9	intergenic
AT1G08630	THREONINE ALDOLASE 1 (THA1)	Encodes a threk	1_2747009	9	intron
AT3G06080	na	Encodes a merr	3_1838457	8.99	promoter
AT5G06530	ATP-BINDING CASSETTE G22 (ABCG22	Encodes ABCG	5_1997597	8.97	proximal promoter
AT3G51090	na	Protein of unkn	3_18977283	8.97	intergenic

AT2G42380	(BZIP34)	Encodes a merr 2_17649191	8.96	promoter
AT1G08570	ATYPICAL CYS HIS RICH THIOREDOXIN	Encodes a merr 1_2712854	8.96	promoter
AT1G53520	FATTY-ACID-BINDING PROTEIN 3 (FAP3)	Encodes a plast 1_19976157	8.96	intergenic
AT4G21200	GIBBERELLIN 2-OXIDASE 8 (GA2OX8)	Encodes a prote 4_11304736	8.96	intron
AT1G53510	MITOGEN-ACTIVATED PROTEIN KINASE	member of MAF 1_19976157	8.96	proximal promoter
AT1G53200	na	unknown protei 1_19848600	8.96	intergenic
AT1G53210	na	sodium/calcium 1_19848600	8.96	intergenic
AT1G53220	na	pre-tRNA; tRNA 1_19848600	8.96	intergenic
AT1G53230	TEOSINTE BRANCHED 1, CYCLOIDEA A	Encodes a merr 1_19848600	8.96	intergenic
AT2G03340	WRKY DNA-BINDING PROTEIN 3 (WRKY)	Encodes WRKY 2_1018489	8.96	proximal promoter
AT1G27130	GLUTATHIONE S-TRANSFERASE TAU 1	Encodes glutat 1_9425382	8.95	promoter
AT2G03070	MEDIATOR SUBUNIT 8 (MED8)	Encodes a subu 2_908996	8.95	three_prime_UTR
AT1G66725	MICRORNA163 (MIR163)	Encodes a micr 1_24883696	8.95	promoter
AT2G03080	na	transposable elk 2_908996	8.95	proximal promoter
AT5G57410	na	Afadin/alpha-ac 5_23267961	8.95	promoter
AT1G75640	na	Leucine-rich rec 1_28402567	8.95	intergenic
AT5G62960	na	unknown protei 5_25267523	8.95	proximal promoter
AT3G17185	TRANS-ACTING SIRNA3 (TAS3)	Encodes a trans 3_5861330	8.95	promoter
AT1G75630	VACUOLAR H+-PUMPING ATPASE 16 KI	vacuolar H+-pui 1_28402567	8.95	downstream
AT3G05830	na	Encodes alpha- 3_1735964	8.94	proximal promoter
AT3G12610	DNA-DAMAGE REPAIR/TOLERATION 10	Plays role in DN 3_4008398	8.93	proximal promoter
AT1G21975	na	unknown protei 1_7732386	8.93	exon
AT2G19650	na	Cysteine/Histidi 2_8495965	8.93	promoter
AT3G12600	NUDIX HYDROLASE HOMOLOG 16 (NUI	nudix hydrolase 3_4008398	8.93	intergenic
AT3G50240	(KICP-02)	Encodes a kine: 3_18629351	8.92	promoter
AT4G23260	CYSTEINE-RICH RLK (RECEPTOR-LIKE	Encodes a cystr 4_12170364	8.92	promoter
AT4G23270	CYSTEINE-RICH RLK (RECEPTOR-LIKE	Encodes a cystr 4_12170364	8.92	proximal promoter
AT5G04560	DEMETER (DME)	Encodes a DNA 5_1319062	8.92	intergenic
AT1G07670	ENDOMEMBRANE-TYPE CA-ATPASE 4	endomembrane 1_2374826	8.92	promoter
AT2G23000	SERINE CARBOXYPEPTIDASE-LIKE 10	(serine carboxyp 2_9792128	8.92	promoter
AT2G13790	SOMATIC EMBRYOGENESIS RECEPTO	somatic embryo 2_5741813	8.92	promoter
AT5G04590	SULFITE REDUCTASE (SIR)	A.thaliana gene 5_1319062	8.92	promoter
AT3G58120	(BZIP61)	Encodes a merr 3_21523512	8.91	promoter
AT1G12570	na	Glucose-methar 1_4282396	8.91	proximal promoter
AT1G12580	PHOSPHOENOLPYRUVATE CARBOXYL	phosphoenolpyr 1_4282396	8.91	proximal promoter
AT3G54420	HOMOLOG OF CARROT EP3-3 CHITINA	encodes an EP: 3_20148125	8.9	intergenic
AT3G54440	na	glycoside hydro 3_20148125	8.9	downstream
AT4G19420	na	Pectinacetylest 4_10591186	8.9	proximal promoter
AT3G54430	SHI-RELATED SEQUENCE 6 (SRS6)	A member of Sh 3_20148125	8.9	five_prime_UTR
AT2G24270	ALDEHYDE DEHYDROGENASE 11A3 (A	Encodes a prote 2_10329931	8.89	five_prime_UTR
AT5G49360	BETA-XYLOSIDASE 1 (BXL1)	Encodes a bifur 5_20016751	8.89	promoter
AT4G34390	EXTRA-LARGE GTP-BINDING PROTEIN	extra-large GTF 4_16441053	8.89	promoter
AT2G29120	GLUTAMATE RECEPTOR 2.7 (GLR2.7)	member of Puta 2_12518221	8.89	proximal promoter
AT4G34380	na	Transducin/WD 4_16441053	8.89	intergenic
AT5G49350	na	Glycine-rich pro 5_20016751	8.89	intergenic
AT3G22190	IQ-DOMAIN 5 (IQD5)	IQ-domain 5 (IQ 3_7834062	8.88	promoter
AT1G70944	na	unknown protei 1_26750435	8.88	proximal promoter
AT1G15360	SHINE 1 (SHN1)	Encodes a merr 1_5281970	8.88	proximal promoter
AT5G64310	ARABINOGALACTAN PROTEIN 1 (AGP1	Encodes arabin 5_25721734	8.87	promoter
AT1G42990	BASIC REGION/LEUCINE ZIPPER MOTIF	bZIP60 consists 1_16137760	8.87	promoter
AT2G46080	BYPASS 2 (BPS2)	Encodes a prote 2_18950649	8.87	proximal promoter
AT2G46090	LONG-CHAIN BASE (LCB) KINASE 2 (LC	Encodes a puta 2_18950649	8.87	promoter
AT5G64320	na	Pentatricopeptic 5_25721734	8.87	intergenic
AT2G19460	na	Protein of unkn 2_8429882	8.87	proximal promoter
AT5G26731	na	unknown protei 5_9296179	8.87	three_prime_UTR
AT3G44310	NITRILASE 1 (NIT1)	Mutants are res 3_15986699	8.87	promoter
AT1G28230	PURINE PERMEASE 1 (PUP1)	Encodes a trans 1_9868044	8.87	intergenic
AT2G19450	TRIACYLGLYCEROL BIOSYNTHESIS DE	Encodes Acyl-C 2_8429882	8.87	downstream
AT5G41790	COP1-INTERACTIVE PROTEIN 1 (CIP1)	encodes a prote 5_16725737	8.86	proximal promoter
AT1G32780	na	GroES-like zinc 1_11873018	8.86	promoter
AT3G52700	na	unknown protei 3_19535570	8.86	three_prime_UTR
AT3G52710	na	unknown protei 3_19535570	8.86	three_prime_UTR
AT4G20250	na	unknown protei 4_10940446	8.85	exon
AT4G20260	PLASMA-MEMBRANE ASSOCIATED CA	Encodes a Ca2: 4_10940446	8.85	promoter
AT2G47240	LONG-CHAIN ACYL-COA SYNTHASE 1	(Encodes an acy 2_19390703	8.84	proximal promoter
AT5G55620	na	unknown protei 5_22528755	8.84	proximal promoter
AT5G02530	na	RNA-binding (R 5_566045	8.84	promoter
AT5G60966	na	pre-tRNA; tRNA 5_24533169	8.84	intergenic
AT1G25450	3-KETOACYL-COA SYNTHASE 5 (KCS5)	Encodes KCS5, 1_8940539	8.83	promoter
AT1G20693	HIGH MOBILITY GROUP B2 (HMGB2)	Encodes a prote 1_7176624	8.83	promoter
AT4G01530	na	transposable elk 4_663218	8.83	promoter
AT1G20691	na	Potential natura 1_7176624	8.83	promoter
AT1G72050	TRANSCRIPTION FACTOR IIIA (TFIIIA)	Encodes a trans 1_27114761	8.83	promoter
AT1G55250	HISTONE MONO-UBIQUITINATION 2 (HU	Encodes one of 1_20612564	8.82	downstream
AT1G28300	LEAFY COTYLEDON 2 (LEC2)	Transcription fa 1_9897675	8.82	intron
AT1G20070	na	unknown protei 1_6959475	8.82	promoter
AT5G46910	na	Transcription fa 5_19045611	8.82	proximal promoter
AT1G55260	na	Bifunctional inhi 1_20612564	8.82	proximal promoter
AT5G65380	na	MATE efflux fan 5_26124562	8.82	intron
AT5G18650	na	CHY-type/CTCt 5_6217827	8.8	promoter
AT2G24100	ALTERED SEED GERMINATION 1 (ASG1	unknown protei 2_10244747	8.79	promoter
AT1G09350	GALACTINOL SYNTHASE 3 (GalS3)	Predicted to enc 1_3019590	8.79	promoter
AT3G58790	GALACTURONOSYLTRANSFERASE 15	Encodes a prote 3_21746559	8.79	promoter
AT1G23070	na	Protein of unkn 1_8175938	8.79	promoter
AT2G31981	na	unknown protei 2_13610027	8.79	exon
AT2G22426	na	unknown protei 2_9517529	8.79	intergenic
AT1G57980	na	Nucleotide-suq 1_21443580	8.79	proximal promoter
AT3G58795	na	Potential natura 3_21746559	8.79	downstream
AT2G31980	PHYTOCYSTATIN 2 (CYS2)	PHYTOCYSTATI 2_13610027	8.79	promoter
AT1G57990	PURINE PERMEASE 18 (PUP18)	Member of a far 1_21443580	8.79	proximal promoter
AT1G75440	UBIQUITIN-CONJUGATING ENZYME 16	ubiquitin-conju 1_28313467	8.79	promoter
AT2G42350	na	RING/U-box suq 2_17640165	8.78	downstream
AT5G53450	OBP3-RESPONSIVE GENE 1 (ORG1)	OBP3-responsi 5_21688486	8.78	promoter
AT1G24170	(LGT9)	Encodes a prote 1_8556654	8.77	intergenic

AT1G29170	(WAVE2)	Encodes a merr 1_10195418	8.77	proximal promoter
AT1G24160	na	unknown proteir 1_8556654	8.77	promoter
AT3G47610	na	transcription reę 3_17553071	8.77	intergenic
AT1G25275	na	unknown proteir 1_8860659	8.76	promoter
AT1G77746	na	unknown proteir 1_29229644	8.76	intergenic
AT1G77750	na	Ribosomal prote 1_29229644	8.76	intergenic
AT3G06500	ALKALINE/NEUTRAL INVERTASE C (A/N	Plant neutral inv 3_2015850	8.75	downstream
AT3G12120	FATTY ACID DESATURASE 2 (FAD2)	Major enzyme n 3_3863050	8.75	promoter
AT1G27320	HISTIDINE KINASE 3 (HK3)	Encodes a histi 1_9492769	8.75	downstream
AT1G27330	na	Ribosome asso 1_9492769	8.75	promoter
AT3G12130	na	KH domain-con 3_3863050	8.75	intergenic
AT3G06510	SENSITIVE TO FREEZING 2 (SFR2)	Encodes a prote 3_2015850	8.75	promoter
AT2G41290	STRICTOSIDINE SYNTHASE-LIKE 2 (SSI	Although this er 2_17211534	8.75	exon
AT3G19150	KIP-RELATED PROTEIN 6 (KRP6)	Kip-related prot 3_6617867	8.74	promoter
AT1G06370	na	pseudogene, sii 1_1940582	8.73	intergenic
AT1G06360	na	Fatty acid desat 1_1940582	8.73	promoter
AT3G18050	na	unknown proteir 3_6182965	8.73	downstream
AT4G11300	na	CONTAINS Inte 4_6877760	8.73	intergenic
AT4G12230	na	alpha/beta-Hydr 4_7284456	8.73	promoter
AT2G36640	EMBRYONIC CELL PROTEIN 63 (ECP63	Encodes putativ 2_15357173	8.72	exon
AT2G36632	na	unknown proteir 2_15357173	8.72	intergenic
AT2G46580	na	Pyridoxamine 5' 2_19131113	8.72	proximal promoter
AT2G39260	na	binding;RNA bir 2_16391621	8.72	intergenic
AT3G57020	na	Calcium-depent 3_21100525	8.72	promoter
AT1G01030	NGATHA3 (NGA3)	NGATHA3 (NG_1_13731	8.72	promoter
AT2G39250	SCHNARCHZAPPEN (SNZ)	Encodes a AP2 2_16391621	8.72	proximal promoter
AT4G15550	INDOLE-3-ACETATE BETA-D-GLUCOSY	UDP-glucose:in 4_8879667	8.71	promoter
AT3G09975	na	unknown proteir 3_3068854	8.71	intergenic
AT3G09980	na	Family of unkno 3_3068854	8.71	promoter
AT2G39705	ROTUNDIFOLIA LIKE 8 (RTFL8)	ROTUNDIFOLI 2_16553611	8.71	intergenic
AT4G39260	COLD, CIRCADIAN RHYTHM, AND RNA	Encodes a glyci 4_18275189	8.7	promoter
AT2G35840	na	Sucrose-6F-phc 2_15057192	8.7	intron
AT2G35850	na	unknown proteir 2_15057192	8.7	downstream
AT2G40008	na	Potential natura 2_16707354	8.7	proximal promoter
AT3G28193	na	unknown proteir 3_10515273	8.7	proximal promoter
AT1G31930	EXTRA-LARGE GTP-BINDING PROTEIN	Encodes XLG3 1_11464974	8.69	promoter
AT5G11790	N-MYC DOWNREGULATED-LIKE 2 (NDL	N-MYC downreę 5_3798846	8.69	proximal promoter
AT1G31920	na	Tetratricopeptid 1_11464974	8.69	proximal promoter
AT3G61380	TON1 RECRUITING MOTIF 14 (TRM14)	Phosphatidyli 3_22712232	8.69	proximal promoter
AT1G78100	AUXIN UP-REGULATED F-BOX PROTEIN	F-box family prc 1_29387791	8.68	promoter
AT1G25425	CLAVATA3/ESR-RELATED 43 (CLE43)	CLAVATA3/ESF 1_8922288	8.68	promoter
AT2G38110	GLYCEROL-3-PHOSPHATE ACYLTRANS	Encodes a prote 2_15962019	8.68	intergenic
AT2G36950	na	Heavy metal tra 2_15516678	8.68	exon
AT5G18550	na	Zinc finger C-x8 5_6157539	8.68	proximal promoter
AT1G10657	na	Plant protein 15 1_3530415	8.68	promoter
AT5G20700	na	Protein of unknt 5_7008440	8.68	proximal promoter
AT2G25490	EIN3-BINDING F BOX PROTEIN 1 (EBF1	Encodes an F-b 2_10847225	8.67	downstream
AT5G51550	EXORDIUM LIKE 3 (EXL3)	EXORDIUM like 5_20941461	8.67	proximal promoter
AT5G51545	LOW PSII ACCUMULATION2 (LPA2)	Encodes LPA2 5_20941461	8.67	intergenic
AT1G25460	na	NAD(P)-binding 1_8941500	8.67	proximal promoter
AT2G25482	na	Encodes a ECA 2_10847225	8.67	proximal promoter
AT2G45120	na	C2H2-like zinc f 2_18602444	8.67	proximal promoter
AT2G38120	AUXIN RESISTANT 1 (AUX1)	Encodes an aux 2_15977446	8.66	intergenic
AT5G07860	na	HXXXD-type ac 5_2511080	8.66	promoter
AT1G60160	na	Potassium trans 1_22191510	8.66	promoter
AT2G03980	na	GDSL-like Lipas 2_1259616	8.66	intron
AT4G29330	DERLIN-1 (DER1)	DERLIN-1 (DEF 4_14443080	8.65	proximal promoter
AT4G25640	DETOXIFYING EFFLUX CARRIER 35 (DT	Encodes a multi 4_13079653	8.65	proximal promoter
AT3G03150	na	unknown proteir 3_729685	8.64	promoter
AT3G03160	na	FUNCTIONS IN 3_729685	8.64	promoter
AT3G03140	na	Tudor/PWWP/n 3_729685	8.64	intergenic
AT1G03990	na	Long-chain fatty 1_1028474	8.64	intergenic
AT1G19840	na	SAUR-like auxir 1_6868137	8.64	intergenic
AT1G04000	na	unknown proteir 1_1028474	8.64	exon
AT5G50335	na	unknown proteir 5_20490826	8.64	proximal promoter
AT2G30420	ENHANCER OF TRY AND CPC 2 (ETC2)	In a tandem rep 2_12962268	8.63	promoter
AT3G61755	na	pre-tRNA; tRNA 3_22859634	8.63	promoter
AT5G45745	na	pre-tRNA; tRNA 5_18558995	8.63	downstream
AT5G65166	na	This gene encod 5_26036284	8.63	downstream
AT5G45750	RAB GTPASE HOMOLOG A1C (RABA1c)	RAB GTPase hi 5_18558995	8.63	promoter
AT2G30424	TRICHOMELESS 2 (TCL2)	In a tandem rep 2_12962268	8.63	intergenic
AT4G37780	MYB DOMAIN PROTEIN 87 (MYB87)	encoded by the 4_17761835	8.62	proximal promoter
AT1G32928	na	unknown proteir 1_11931086	8.62	promoter
AT1G32930	na	Galactosyltrans 1_11931086	8.62	intergenic
AT2G03810	na	18S pre-riboson 2_1161454	8.62	intron
AT3G51660	na	Tautomerase/M 3_19166295	8.62	proximal promoter
AT1G35460	FLOWERING BHLH 1 (FBH1)	basic helix-loop 1_13039843	8.61	promoter
AT1G41830	SKU5-SIMILAR 6 (SKS6)	SKU5-similar 6 1_15606681	8.61	intron
AT2G32800	(AP4.3A)	AP4.3A; FUNC: 2_13916288	8.6	promoter
AT2G23130	ARABINO GALACTAN PROTEIN 17 (AGP	AGP17 is a lysir 2_9842001	8.6	proximal promoter
AT3G01500	CARBONIC ANHYDRASE 1 (CA1)	Encodes a puta 3_197042	8.6	intron
AT1G25425	CLAVATA3/ESR-RELATED 43 (CLE43)	CLAVATA3/ESF 1_8926691	8.6	intergenic
AT5G14400	CYTOCHROME P450, FAMILY 724, SUBF	Encodes a bras 5_4647552	8.6	intergenic
AT3G13682	LSD1-LIKE2 (LSDL2)	Encodes a hom 3_4481999	8.6	promoter
AT2G23118	na	unknown proteir 2_9842001	8.6	exon
AT2G23120	na	Late embryoęer 2_9842001	8.6	promoter
AT5G01720	na	RNI-like superfe 5_270670	8.6	promoter
AT5G14410	na	unknown proteir 5_4647552	8.6	promoter
AT5G14420	RING DOMAIN LIGASE2 (RGLG2)	Encodes RGLG 5_4647552	8.6	intergenic
AT3G10260	na	Reticulon family 3_3173026	8.59	promoter
AT5G18590	na	Galactose oxide 5_6182710	8.59	five_prime_UTR
AT5G19220	ADP GLUCOSE PYROPHOSPHORYLASI	Encodes the lar 5_6467497	8.58	proximal promoter
AT3G26980	MEMBRANE-ANCHORED UBIQUITIN-FO	membrane-anc 3_9945813	8.58	intergenic
AT3G12470	na	Polynucleotidyl 3_3957653	8.58	proximal promoter

AT2G31005	na	Encodes a Cyst 2_13194184	8.58	intergenic
AT2G31010	na	Protein kinase s 2_13194184	8.58	promoter
AT3G26960	na	Pollen Ole e 1 a 3_9945813	8.58	promoter
AT5G19230	na	Glycoprotein me 5_6467497	8.58	promoter
AT3G12480	NUCLEAR FACTOR Y, SUBUNIT C11 (NF	nuclear factor Y 3_3957653	8.58	promoter
AT4G36930	SPATULA (SPT)	Encodes a trans 4_17414019	8.57	promoter
AT4G27260	(WES1)	encodes an IAA 4_13652501	8.56	proximal promoter
AT1G54210	AUTOPHAGY 12 A (ATG12A)	AUTOPHAGY 1 1_20239738	8.56	proximal promoter
AT1G33610	na	Leucine-rich re 1_12188869	8.56	promoter
AT4G27720	na	Major facilitator 4_13830950	8.56	promoter
AT2G27900	na	CONTAINS Inte 2_11886089	8.55	downstream
AT4G32350	na	Regulator of Vp 4_15617290	8.55	promoter
AT2G27920	SERINE CARBOXYPEPTIDASE-LIKE 51	(serine carboxyp 2_11886089	8.55	intron
AT1G01060	LATE ELONGATED HYPOCOTYL (LHY)	LHY encodes a 1_38083	8.54	promoter
AT1G11735	MICRORNA171B (MIR171B)	Encodes a micr 1_3962287	8.54	proximal promoter
AT2G04050	na	MATE efflux fan 2_1339789	8.54	proximal promoter
AT5G03310	na	SAUR-like auxir 5_801163	8.54	proximal promoter
AT5G03320	na	Protein kinase s 5_801163	8.54	proximal promoter
AT4G29520	na	LOCATED IN: e 4_14495940	8.54	promoter
AT4G29530	na	Pyridoxal phosph 4_14495940	8.54	promoter
AT4G30390	na	unknown proteir 4_14863194	8.54	promoter
AT1G09390	na	GDSL-like Lipas 1_3031079	8.53	promoter
AT4G36980	na	FUNCTIONS IN 4_17437307	8.53	promoter
AT5G53290	CYTOKININ RESPONSE FACTOR 3 (CRF	encodes a mem 5_21619565	8.52	promoter
AT1G36050	na	Endoplasmic rei 1_13453288	8.52	intron
AT1G36060	na	encodes a mem 1_13453288	8.52	intergenic
AT2G28550	RELATED TO AP2.7 (RAP2.7)	related to AP2.7 2_12224346	8.52	intergenic
AT2G24330	na	Protein of unknc 2_10350382	8.51	proximal promoter
AT3G62400	na	unknown proteir 3_23089439	8.51	promoter
AT2G22880	na	VQ motif-contai 2_9741602	8.51	promoter
AT2G22890	na	Kua-ubiquitin cc 2_9741602	8.51	intergenic
AT3G52450	PLANT U-BOX 22 (PUB22)	Encodes a cyto 3_19439098	8.51	intergenic
AT3G62390	TRICHOME BIREFRINGENCE-LIKE 6 (TE	Encodes a merr 3_23089439	8.51	promoter
AT5G65890	ACT DOMAIN REPEAT 1 (ACR1)	Member of ACT 5_26356181	8.5	intron
AT3G04930	na	DNA-binding stc 3_1362812	8.5	promoter
AT3G04920	na	Ribosomal prote 3_1362812	8.5	intergenic
AT1G25520	na	Uncharacterizer 1_8961977	8.5	promoter
AT1G25510	na	Eukaryotic aspa 1_8961977	8.5	proximal promoter
AT3G19550	na	unknown proteir 3_6785860	8.5	intergenic
AT2G21500	na	RING/U-box suj 2_9210399	8.49	promoter
AT2G21510	na	DNAJ heat shor 2_9210399	8.49	intergenic
AT1G70370	POLYGALACTURONASE 2 (PG2)	polygalacturona 1_26513158	8.49	exon
AT1G68690	PROLINE-RICH EXTENSIN-LIKE RECEPTOR	Encodes a merr 1_25787305	8.49	proximal promoter
AT2G17550	TON1 RECRUITING MOTIF 26 (TRM26)	unknown proteir 2_7637716	8.49	five_prime_UTR
AT4G37390	(BRU6)	Encodes an IAA 4_17579492	8.48	promoter
AT3G63010	GA INSENSITIVE DWARF1B (GID1B)	Encodes a gibb 3_23287617	8.48	proximal promoter
AT4G16780	HOMEODOMAIN PROTEIN 2 (HB-2)	Encodes a hom 4_9446082	8.48	intergenic
AT5G55840	na	Pentatricopeptic 5_22597807	8.48	promoter
AT3G63006	na	pre-tRNA; tRNA 3_23287617	8.48	proximal promoter
AT3G51400	na	Arabidopsis pro 3_19079541	8.48	proximal promoter
AT2G18300	na	basic helix-loop 2_7955222	8.48	promoter
AT2G18310	na	pre-tRNA; tRNA 2_7955222	8.48	intergenic
AT2G25470	RECEPTOR LIKE PROTEIN 21 (RLP21)	receptor like prc 2_10838181	8.48	promoter
AT2G47500	na	P-loop nucleosid 2_19491325	8.47	proximal promoter
AT5G58900	na	Homeodomain-l 5_23786687	8.47	proximal promoter
AT4G29240	na	Leucine-rich re 4_14418165	8.47	promoter
AT5G41060	na	DHHC-type zinc 5_16434438	8.47	proximal promoter
AT5G41050	na	Pollen Ole e 1 a 5_16434438	8.47	promoter
AT5G18240	MYB-RELATED PROTEIN 1 (MYR1)	Encodes MYR1 5_6028153	8.46	downstream
AT3G15578	na	unknown proteir 3_5272991	8.46	proximal promoter
AT1G54730	na	Major facilitator 1_20431679	8.46	intergenic
AT1G54740	na	Protein of unknc 1_20431679	8.46	exon
AT1G54750	na	transposable elk 1_20431679	8.46	proximal promoter
AT5G18245	na	Potential natura 5_6028153	8.46	promoter
AT2G42620	MORE AXILLARY BRANCHES 2 (MAX2)	The mutations a 2_17755119	8.45	proximal promoter
AT1G28580	na	GDSL-like Lipas 1_10046530	8.45	promoter
AT5G40890	CHLORIDE CHANNEL A (CLC-A)	Encodes a merr 5_16386880	8.44	proximal promoter
AT3G06780	na	glycine-rich prot 3_2143403	8.44	promoter
AT3G19274	na	unknown proteir 3_6678741	8.44	exon
AT4G24050	na	NAD(P)-binding 4_12501737	8.44	intergenic
AT4G24060	na	Dof-type zinc fir 4_12501737	8.44	proximal promoter
AT1G33250	na	Protein of unknc 1_12059623	8.44	promoter
AT3G47430	PEROXIN 11B (PEX11B)	member of the r 3_17478755	8.44	proximal promoter
AT1G68440	na	unknown proteir 1_25657879	8.43	promoter
AT4G00170	na	Plant VAMP (ve 4_72298	8.43	promoter
AT1G04530	TETRATRICOPEPTIDE REPEAT 4 (TPR4	Encodes one of 1_1236515	8.43	promoter
AT4G00180	YABBY3 (YAB3)	YABBY gene fai 4_72298	8.43	intergenic
AT5G11970	na	Protein of unknc 5_3864606	8.42	proximal promoter
AT5G09975	na	pre-tRNA; tRNA 5_3118259	8.42	promoter
AT2G39360	na	Protein kinase s 2_16440230	8.42	promoter
AT5G14920	na	Gibberellin-requ 5_4825469	8.42	proximal promoter
AT5G14910	na	Heavy metal tra 5_4825469	8.42	downstream
AT4G38770	PROLINE-RICH PROTEIN 4 (PRP4)	Encodes one of 4_18100878	8.42	proximal promoter
AT5G54290	(CcdA)	Encodes CcdA, 5_22054558	8.41	intergenic
AT5G54300	na	Protein of unknc 5_22054558	8.41	exon
AT3G10415	na	pre-tRNA; tRNA 3_3238288	8.41	downstream
AT3G10410	SERINE CARBOXYPEPTIDASE-LIKE 49 (	SERINE CARBO 3_3238288	8.41	promoter
AT1G53300	TETRATRICOPEPTIDE-REPEAT THIORE	Encodes one of 1_19883806	8.41	intergenic
AT3G14850	TRICHOME BIREFRINGENCE-LIKE 41 (T	Encodes a merr 3_4996410	8.41	intron
AT1G10240	FAR1-RELATED SEQUENCE 11 (FRS11)	FAR1-related sr 1_3356530	8.4	downstream
AT2G15580	na	RING/U-box suj 2_6798351	8.4	intron
AT1G68500	na	unknown proteir 1_25699757	8.4	proximal promoter
AT2G27060	na	Leucine-rich re 2_11550968	8.4	promoter
AT1G10230	SKP1-LIKE 18 (SK18)	SKP1-like 18 (S 1_3356530	8.4	downstream

AT3G12630	STRESS ASSOCIATED PROTEIN 5 (SAP	Encodes a prot 3_4012534	8.4	promoter
AT4G25570	(ACYB-2)	Encodes cytoch 4_13055818	8.39	promoter
AT1G19000	na	Homeodomain-l 1_6562908	8.39	promoter
AT1G22470	na	unknown proteir 1_7932490	8.39	intergenic
AT5G15040	na	Paired amphipa 5_4871423	8.39	proximal promoter
AT5G15050	na	Core-2/l-branch 5_4871423	8.39	downstream
AT5G59350	na	unknown proteir 5_23943460	8.38	intergenic
AT2G26710	PHYB ACTIVATION TAGGED SUPPRESS	Encodes a merr 2_11380397	8.38	promoter
AT3G26400	EUKARYOTIC TRANSLATION INITIATION	member of eIF4 3_9666223	8.37	promoter
AT5G58450	na	Tetratricopeptid 5_23626924	8.37	intron
AT5G48200	na	unknown proteir 5_19545132	8.37	promoter
AT1G70280	na	NHL domain-co 1_26471002	8.37	proximal promoter
AT1G79245	na	pseudogene of 1_29809426	8.37	intron
AT2G30000	na	PHF5-like prote 2_12805145	8.37	promoter
AT2G35290	na	unknown proteir 2_14862190	8.37	promoter
AT3G01560	na	CONTAINS Inte 3_219606	8.37	five_prime_UTR
AT5G60850	OBF BINDING PROTEIN 4 (OBP4)	Encodes a zinc 5_24478874	8.37	proximal promoter
AT5G58440	SORTING NEXIN 2A (SNX2a)	sorting nexin 2 ^A 5_23626924	8.37	promoter
AT1G70290	TREHALOSE-6-PHOSPHATASE SYNTHA	Encodes an enz 1_26471002	8.37	downstream
AT2G30010	TRICHOME BIREFRINGENCE-LIKE 45 (T	Encodes a merr 2_12805145	8.37	proximal promoter
AT4G32410	CELLULOSE SYNTHASE 1 (CESA1)	Encodes a cellu 4_15646747	8.36	promoter
AT1G52800	na	2-oxoglutarate (1_19663673	8.36	promoter
AT1G69690	TEOSINTE BRANCHED1/CYCLOIDEA/PC	ATCP15 is invc 1_26213681	8.36	proximal promoter
AT1G07000	EXOCYST SUBUNIT EXO70 FAMILY PRC A	member of E) 1_2152584	8.35	promoter
AT5G19020	MITOCHONDRIAL EDITING FACTOR 18	Encodes a pent 5_6352744	8.35	downstream
AT5G19015	na	transposable elk 5_6352744	8.35	proximal promoter
AT5G47818	na	unknown pseud 5_19365097	8.35	promoter
AT1G07010	SHEWENELLA-LIKE PROTEIN PHOSPHO	Calcineurin-like 1_2152584	8.35	promoter
AT4G37460	SUPPRESSOR OF RPS4-RLD 1 (SRFR1)	Encodes a tetr: 4_17615870	8.35	promoter
AT1G28670	(ARAB-1)	Arabidopsis thal 1_10076498	8.34	promoter
AT1G14685	BASIC PENTACYSTEINE 2 (BPC2)	Encodes a merr 1_5042496	8.34	five_prime_UTR
AT1G70782	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 1_26694861	8.34	intergenic
AT1G70780	na	unknown proteir 1_26694861	8.34	intergenic
AT1G71828	na	Potential natura 1_27017946	8.34	exon
AT5G03680	PETAL LOSS (PTL)	Recessive muta 5_957634	8.34	promoter
AT1G71830	SOMATIC EMBRYOGENESIS RECEPTO	Plasma membr: 1_27017946	8.34	promoter
AT5G57180	CHLOROPLAST IMPORT APPARATUS 2	Transcription re 5_23169919	8.33	intron
AT5G57181	na	This gene encod 5_23169919	8.33	proximal promoter
AT2G47690	na	NADH-ubiquino 2_19551130	8.33	promoter
AT1G79750	NADP-MALIC ENZYME 4 (NADP-ME4)	The malic enzyr 1_30011654	8.33	promoter
AT1G28660	na	GDSL-like Lipas 1_10073521	8.32	promoter
AT2G47630	na	alpha/beta-Hydr 2_19535387	8.32	intron
AT4G34760	na	SAUR-like auxir 4_16587045	8.32	intergenic
AT2G47620	SWITCH/SUCROSE NONFERMENTING	: Homologous to 2_19535387	8.32	intergenic
AT4G19880	na	Glutathione S-tr 4_10786447	8.31	five_prime_UTR
AT5G55530	na	Calcium-depend 5_22493242	8.31	intron
AT5G43190	na	Galactose oxid: 5_17342533	8.31	proximal promoter
AT2G27860	UDP-D-APIOSE/UDP-D-XYLOSE SYNTH	Encodes UDP-c 2_11866969	8.31	promoter
AT3G10300	na	Calcium-binding 3_3186222	8.3	promoter
AT2G22420	na	Peroxidase sup 2_9511589	8.3	proximal promoter
AT2G39950	na	unknown proteir 2_16680663	8.3	promoter
AT1G01140	CBL-INTERACTING PROTEIN KINASE 9	Encodes a CBL 1_68497	8.29	proximal promoter
AT2G18650	MATERNAL EFFECT EMBRYO ARREST	maternal effect 1_2_8088355	8.29	promoter
AT1G01130	na	CONTAINS Inte 1_68497	8.29	intergenic
AT3G48520	CYTOCHROME P450, FAMILY 94, SUBF	CYP94B3 is a je 3_17976791	8.28	promoter
AT4G08950	EXORDIUM (EXO)	EXORDIUM (E) 4_5740123	8.28	promoter
AT1G03870	FASCICLIN-LIKE ARABINOOGALACTAN	fasciclin-like ara 1_984219	8.28	proximal promoter
AT3G18040	MAP KINASE 9 (MPK9)	Encodes a prot 3_6174022	8.28	proximal promoter
AT1G05805	na	basic helix-loop 1_1744722	8.28	promoter
AT1G61170	na	unknown proteir 1_22549080	8.28	proximal promoter
AT3G48515	na	pre-tRNA; tRNA 3_17976791	8.28	proximal promoter
AT1G03860	PROHIBITIN 2 (PHB2)	prohibitin 2 1_984219	8.28	proximal promoter
AT5G63770	DIACYLGLYCEROL KINASE 2 (DGK2)	a member of the 5_25518517	8.27	promoter
AT3G49940	LOB DOMAIN-CONTAINING PROTEIN 3E	LOB domain-co 3_18516321	8.27	intergenic
AT2G34930	na	disease resistar 2_14740084	8.27	promoter
AT1G72420	na	NADH:ubiquinoi 1_27265737	8.27	proximal promoter
AT1G72430	na	SAUR-like auxir 1_27265737	8.27	promoter
AT2G31870	SANSKRIT FOR 'BRIGHT' (TEJ)	The gene encoc 2_13554079	8.27	promoter
AT4G30600	na	signal recognitic 4_14941485	8.26	promoter
AT5G26770	na	unknown proteir 5_9410087	8.26	five_prime_UTR
AT1G01430	TRICHOME BIREFRINGENCE-LIKE 25 (T	Encodes a merr 1_159524	8.26	proximal promoter
AT3G21800	UDP-GLUCOSYL TRANSFERASE 71B8 (	UDP-glucosyl tr 3_7681924	8.26	promoter
AT5G66030	(ATGRIP)	Involved in qolg 5_26411904	8.25	proximal promoter
AT5G66045	MICRORNA170 (MIR170)	Encodes a micr 5_26411904	8.25	promoter
AT1G18990	na	Protein of unkn: 1_6560956	8.25	promoter
AT1G19000	na	Homeodomain-l 1_6560956	8.25	three_prime_UTR
AT5G03380	na	Heavy metal tra 5_834714	8.25	promoter
AT5G66040	SULFURTRANSFERASE PROTEIN 16 (S	Encodes a prot 5_26411904	8.25	intergenic
AT5G24930	CONSTANS-LIKE 4 (COL4)	CONSTANS-like 5_8587405	8.24	proximal promoter
AT3G29770	METHYL ESTERASE 11 (MES11)	Encodes a prot 3_11650948	8.24	downstream
AT3G29786	na	transposable elk 3_11650948	8.24	proximal promoter
AT5G66800	na	unknown proteir 5_26669261	8.24	proximal promoter
AT1G76160	SKU5 SIMILAR 5 (sk5)	SKU5 similar 5 1_28581164	8.24	promoter
AT4G37800	XYLOGLUCAN ENDOTRANSGLUCOSYL	xyloglucan endc 4_17776352	8.24	intron
AT3G18850	LYSOPHOSPHATIDYL ACYLTRANSFER	lysophosphatid, 3_6501468	8.23	promoter
AT3G18860	na	transducin famil 3_6501468	8.23	promoter
AT2G41900	OXIDATIVE STRESS 2 (OXS2)	CCCH-type zinc 2_17489716	8.23	proximal promoter
AT1G48320	DHNA-COA THIOESTERASE 1 (DHNAT1	Encodes one of 1_17855726	8.22	promoter
AT5G48470	na	unknown proteir 5_19644637	8.22	intergenic
AT5G48480	na	Lactoylglutathio 5_19644637	8.22	promoter
AT1G48315	na	Potential natura 1_17855726	8.22	exon
AT5G37540	na	Eukaryotic aspa 5_14914178	8.22	exon
AT5G55850	(NOI)	NOI protein 5_22603299	8.21	promoter
AT2G37630	ASYMMETRIC LEAVES 1 (AS1)	Encodes a MYE 2_15784413	8.21	proximal promoter

AT4G36540	BR ENHANCED EXPRESSION 2 (BEE2)	BR enhanced e_4_17243506	8.21	promoter
AT4G25386	na	This gene encod 4_12976984	8.21	downstream
AT2G36690	na	2-oxoglutarate (2_15378697	8.21	proximal promoter
AT1G06070	na	Basic-leucine zi 1_1838229	8.21	proximal promoter
AT1G77280	na	Protein kinase r 1_29035738	8.21	intron
AT1G77290	na	Glutathione S-tr 1_29035738	8.21	proximal promoter
AT2G18440	GENE WITH UNSTABLE TRANSCRIPT 1	Encodes a nonc 2_7997378	8.2	promoter
AT1G60150	na	transposable elk 1_22185822	8.2	proximal promoter
AT2G18450	SUCCINATE DEHYDROGENASE 1-2 (SD	Nuclear encode 2_7997378	8.2	downstream
AT5G24930	CONSTANS-LIKE 4 (COL4)	CONSTANS-like 5_8588703	8.19	proximal promoter
AT3G50660	DWARF 4 (DWF4)	Encodes a 22&3_18817830	8.19	proximal promoter
AT3G17330	EVOLUTIONARILY CONSERVED C-TER	evolutionarily cc 3_5920297	8.19	promoter
AT5G01600	FERRITIN 1 (FER1)	Encodes a ferrit 5_230356	8.19	promoter
AT3G07005	LOW-MOLECULAR-WEIGHT CYSTEINE-	Encodes a merr 3_2212637	8.19	downstream
AT5G17980	na	C2 calcium/lipid 5_5955728	8.19	exon
AT2G28140	na	Protein of unknt 2_11994223	8.19	proximal promoter
AT5G01595	na	Potential natura 5_230356	8.19	intergenic
AT5G01610	na	Protein of unknt 5_230356	8.19	proximal promoter
AT3G17340	na	ARM repeat sur 3_5920297	8.19	downstream
AT3G07010	na	Pectin lyase-like 3_2212637	8.19	downstream
AT5G17990	TRYPTOPHAN BIOSYNTHESIS 1 (TRP1)	Encodes the try 5_5955728	8.19	proximal promoter
AT5G47040	LON PROTEASE 2 (LON2)	Encodes a merr 5_19099649	8.18	proximal promoter
AT5G04750	na	F1F0-ATPase ir 5_1378065	8.18	intergenic
AT5G04760	na	Duplicated hom 5_1378065	8.18	intergenic
AT5G18620	CHROMATIN REMODELING FACTOR17	chromatin remo 5_6202401	8.17	promoter
AT3G43720	na	Bifunctional inhi 3_15617145	8.17	five_prime_UTR
AT5G11640	na	Thioredoxin sup 5_3744811	8.17	intergenic
AT5G11650	na	alpha/beta-Hydr 5_3744811	8.17	promoter
AT5G18630	na	alpha/beta-Hydr 5_6202401	8.17	promoter
AT5G65683	WAV3 HOMOLOG 2 (WAVH2)	Zinc finger (C3f 5_26263306	8.17	exon
AT2G41475	na	Embryo-specific 2_17296409	8.16	five_prime_UTR
AT2G42990	na	GDSL-like Lipas 2_17878363	8.16	proximal promoter
AT5G53510	OLIGOPEPTIDE TRANSPORTER 9 (OPT	oligopeptide tra 5_21733815	8.16	intergenic
AT4G23660	POLYPRENYLTRANSFERASE 1 (PPT1)	Encodes para-h 4_12331969	8.16	promoter
AT5G63120	na	P-loop containir 5_25324103	8.15	proximal promoter
AT5G63130	na	Octicosapeptide 5_25324103	8.15	three_prime_UTR
AT2G23690	na	unknown proteir 2_10072077	8.15	promoter
AT3G53810	na	Concanavalin A 3_19936428	8.15	proximal promoter
AT5G23730	REPRESSOR OF UV-B PHOTOMORPHC	Encodes REPR 5_8003654	8.15	proximal promoter
AT5G58530	na	Glutaredoxin far 5_23658642	8.14	proximal promoter
AT2G39390	na	Ribosomal L29 2_16452516	8.14	proximal promoter
AT2G39400	na	alpha/beta-Hydr 2_16452516	8.14	promoter
AT2G47830	na	Cation efflux far 2_19595259	8.14	proximal promoter
AT2G47844	na	unknown proteir 2_19595259	8.14	promoter
AT2G47840	TRANSLOCON AT THE INNER ENVELOF	Encodes a com 2_19595259	8.14	promoter
AT2G47010	na	unknown proteir 2_19316390	8.13	proximal promoter
AT4G35090	CATALASE 2 (CAT2)	Encodes a pero 4_16704233	8.12	proximal promoter
AT4G30900	na	DNase I-like sui 4_15039392	8.12	promoter
AT4G25830	na	Uncharacterise 4_13132442	8.12	proximal promoter
AT4G27435	na	Protein of unknt 4_13725376	8.12	intergenic
AT5G49690	na	UDP-Glycosyltr: 5_20191832	8.12	promoter
AT5G49700	na	Predicted AT-hc 5_20191832	8.12	proximal promoter
AT4G27440	PROTOCHLOROPHYLLIDE OXIDORED	light-dependent 4_13725376	8.12	promoter
AT4G30890	UBIQUITIN-SPECIFIC PROTEASE 24 (UE	Encodes a ubiq 4_15039392	8.12	promoter
AT4G25820	XYLOGLUCAN ENDOTRANSGLUCOSYL	Encodes a xylo 4_13132442	8.12	intergenic
AT5G58430	EXOCYST SUBUNIT EXO70 FAMILY PRC	A member of E) 5_23623599	8.11	promoter
AT3G14270	FORMS APLOID AND BINUCLEATE CEL	Encodes a prot 3_4753767	8.11	promoter
AT3G25070	RPM1 INTERACTING PROTEIN 4 (RIN4)	Encodes a merr 3_9132201	8.11	promoter
AT5G58440	SORTING NEXIN 2A (SNX2a)	sorting nexin 2a 5_23623599	8.11	intergenic
AT1G16150	WALL ASSOCIATED KINASE-LIKE 4 (WA	Encodes a cell- 1_5532076	8.11	promoter
AT2G37640	(EXP3)	member of Alph 2_15789877	8.1	promoter
AT5G20230	BLUE-COPPER-BINDING PROTEIN (BCE	Al-stress-induce 5_6826478	8.1	promoter
AT5G20220	na	zinc knuckle (Ct 5_6826478	8.1	intergenic
AT5G20225	na	Potential natura 5_6826478	8.1	proximal promoter
AT5G01830	SMALL AUXIN UP RNA 21 (SAUR21)	ARM repeat sur 5_318397	8.1	proximal promoter
AT3G51375	MICRORNA171A (MIR171A)	Encodes a micr 3_19072803	8.09	proximal promoter
AT3G56370	na	Leucine-rich rep 3_20903097	8.09	promoter
AT4G27500	PROTON PUMP INTERACTOR 1 (PPI1)	interacts with H- 4_13742168	8.09	proximal promoter
AT5G19095	na	pre-tRNA; tRNA 5_6399609	8.08	proximal promoter
AT3G52470	na	Late embryoqer 3_19453304	8.08	intergenic
AT3G52480	na	unknown proteir 3_19453304	8.08	promoter
AT5G20140	na	SOUL heme-bir 5_6801614	8.08	proximal promoter
AT4G39730	PLAT DOMAIN PROTEIN 1 (PLAT1)	Lipase/lipoxyqy 4_18433830	8.08	downstream
AT5G20150	SPX DOMAIN GENE 1 (SPX1)	Expression is uj 5_6801614	8.08	proximal promoter
AT4G34131	UDP-GLUCOSYL TRANSFERASE 73B3 (	UDP-glucosyl tr 4_16345211	8.08	promoter
AT4G34135	UDP-GLUCOSYLTRANSFERASE 73B2 (l	The At4g34135 4_16345211	8.08	downstream
AT3G50910	na	unknown proteir 3_18919288	8.07	promoter
AT5G04470	SIAMESE (SIM)	Encodes a nove 5_1270839	8.07	intergenic
AT1G56580	SMALLER WITH VARIABLE BRANCHES	Encodes SMAL 1_21199629	8.07	proximal promoter
AT1G05230	HOMEODOMAIN GLABROUS 2 (HDG2)	Encodes a hom 1_1518705	8.06	intron
AT1G64050	na	unknown proteir 1_23762076	8.06	promoter
AT2G28350	AUXIN RESPONSE FACTOR 10 (ARF10)	Involved in root 2_12111449	8.05	proximal promoter
AT3G61880	CYTOCHROME P450 78A9 (CYP78A9)	Encodes a cyto 3_22906537	8.05	exon
AT5G66620	DA1-RELATED PROTEIN 6 (DAR6)	DA1-related pro 5_26588343	8.05	promoter
AT2G45160	HAIRY MERISTEM 1 (HAM1)	Belongs to one 2_18620428	8.05	promoter
AT3G52290	IQ-DOMAIN 3 (IQD3)	IQ-domain 3 (IQ 3_19392901	8.05	proximal promoter
AT2G45161	na	unknown proteir 2_18620428	8.05	promoter
AT3G27800	na	unknown proteir 3_10304013	8.05	proximal promoter
AT3G52285	na	pre-tRNA; tRNA 3_19392901	8.05	promoter
AT1G11890	SECRETION 22 (SEC22)	member of SEC 1_4010632	8.05	promoter
AT1G11910	ASPARTIC PROTEINASE A1 (APA1)	Encodes an asp 1_4021074	8.04	promoter
AT3G04790	EMBRYO DEFECTIVE 3119 (EMB3119)	Ribose 5-phosp 3_1315789	8.04	intergenic
AT1G23900	GAMMA-ADAPTIN 1 (GAMMA-ADAPTIN	Encodes large 5_1_8440985	8.04	promoter
AT1G37140	MEI2 C-TERMINAL RRM ONLY LIKE 1 (M	a member of me 1_14165401	8.04	intergenic

AT2G42910	na	Phosphoribosyl_2_17855388	8.04	proximal promoter
AT2G42900	na	Plant basic secr_2_17855388	8.04	exon
AT1G23890	na	NHL domain-co_1_8440985	8.04	promoter
AT2G24800	na	Peroxidase sup_2_10572704	8.04	promoter
AT2G28080	na	UDP-Glycosyltr_2_11961757	8.04	intron
AT5G44290	na	Protein kinase s_5_17843709	8.04	intron
AT3G04800	TRANSLOCASE INNER MEMBRANE SU	translocase innr_3_1315789	8.04	proximal promoter
AT4G39980	3-DEOXY-D-ARABINO-HEPTULOSONAT	Encodes a 2-de_4_18542450	8.03	intergenic
AT4G37470	KARRIKIN INSENSITIVE 2 (KAI2)	HTL belonging t_4_17619061	8.03	proximal promoter
AT1G73885	na	unknown protei_1_27785994	8.03	proximal promoter
AT1G73875	na	DNase I-like su_1_27785994	8.03	intergenic
AT4G39985	na	pre-tRNA; tRNA_4_18542450	8.03	downstream
AT4G39986	na	This gene enco_4_18542450	8.03	exon
AT4G37480	na	Chaperone Dna_4_17619061	8.03	promoter
AT2G03550	na	alpha/beta-Hydr_2_1076873	8.03	promoter
AT5G44578	na	unknown protei_5_17980217	8.03	intergenic
AT5G44580	na	unknown protei_5_17980217	8.03	three_prime_UTR
AT5G44582	na	unknown protei_5_17980217	8.03	proximal promoter
AT3G52525	OVATE FAMILY PROTEIN 6 (OFP6)	ovate family pro_3_19475638	8.03	exon
AT4G39990	RAB GTPASE HOMOLOG A4B (RABA4B)	GTP-binding prr_4_18542450	8.03	promoter
AT1G73880	UDP-GLUCOSYL TRANSFERASE 89B1	(UDP-glucosyl tr_1_27785994	8.03	exon
AT1G18150	(ATMPK8)	Encodes mitoge_1_6247926	8.02	promoter
AT1G18330	EARLY-PHYTOCHROME-RESPONSIVE1	EARLY-PHYTO_1_6308184	8.02	promoter
AT1G18335	na	Acyl-CoA N-acy_1_6308184	8.02	intergenic
AT1G18160	na	Protein kinase s_1_6247926	8.02	proximal promoter
AT1G78850	na	curculin-like (m_1_29644325	8.02	proximal promoter
AT3G50560	na	NAD(P)-binding_3_18766001	8.02	proximal promoter
AT1G10700	PHOSPHORIBOSYL PYROPHOSPHATE	Encodes a P-in_1_3553006	8.02	proximal promoter
AT2G38170	CATION EXCHANGER 1 (CAX1)	Encodes a high_2_15988844	8.01	intergenic
AT3G13405	MICRORNA169A (MIR169A)	Encodes a micr_3_4361408	8.01	proximal promoter
AT2G38160	na	unknown protei_2_15988844	8.01	promoter
AT3G13410	na	unknown protei_3_4361408	8.01	intergenic
AT2G19810	OXIDATION-RELATED ZINC FINGER 1 (	Encodes Oxidat_2_8550209	8.01	promoter
AT1G78240	TUMOROUS SHOOT DEVELOPMENT 2 (	Encodes TSD2_1_29438851	8.01	proximal promoter
AT2G20300	ABNORMAL LEAF SHAPE 2 (ALE2)	Encodes ABNO_2_8760285	7.99	promoter
AT1G30520	ACYL-ACTIVATING ENZYME 14 (AAE14)	Encodes a chlo_1_10814862	7.99	intergenic
AT1G73687	MICRORNA159A (MIR159A)	Encodes a micr_1_27713787	7.99	promoter
AT1G20890	na	unknown protei_1_7267547	7.99	promoter
AT1G68580	na	agenet domain-_1_25752583	7.99	promoter
AT2G39020	na	Although this lo_2_16293108	7.99	proximal promoter
AT5G11420	na	FUNCTIONS IN_5_3645955	7.99	exon
AT2G39010	PLASMA MEMBRANE INTRINSIC PROTE	plasma membra_2_16293108	7.99	intron
AT1G30530	UDP-GLUCOSYL TRANSFERASE 78D1 (	The At1g30530_1_10814862	7.99	five_prime_UTR
AT1G22400	(UGT85A1)	UGT85A1; FUN_1_7907309	7.98	proximal promoter
AT4G16520	AUTOPHAGY 8F (ATG8F)	autophagy 8f (A_4_9306249	7.98	intergenic
AT4G05150	na	Octicosapeptide_4_2661588	7.98	exon
AT1G12110	NITRATE TRANSPORTER 1.1 (NRT1.1)	Encodes NRT1_1_4103395	7.98	proximal promoter
AT4G16515	ROOT MERISTEM GROWTH FACTOR 6	Encodes a root_4_9306249	7.98	promoter
AT2G46510	ABA-INDUCIBLE BHLH-TYPE TRANSCRIP	Encodes a nucl_2_19094011	7.97	proximal promoter
AT1G51500	ATP-BINDING CASSETTE G12 (ABCG12)	Encodes an AB_1_19101851	7.97	proximal promoter
AT4G02350	XOCYST COMPLEX COMPONENT SEC	Encodes a merr_4_1037969	7.97	promoter
AT4G02340	na	alpha/beta-Hydr_4_1037969	7.97	intergenic
AT3G14220	na	GDSL-like Lipas_3_4732420	7.97	promoter
AT3G15518	na	unknown protei_3_5248921	7.97	promoter
AT3G10985	SENESCENCE ASSOCIATED GENE 20 (	A senescence-ε_3_3443844	7.97	intergenic
AT1G01480	1-AMINO-CYCLOPROPANE-1-CARBOXYL	a member of the_1_177033	7.96	exon
AT5G18670	BETA-AMYLASE 3 (BM3)	putative beta-ar_5_6224079	7.96	proximal promoter
AT4G00150	HAIRY MERISTEM 3 (HAM3)	Belongs to one_4_56915	7.96	intergenic
AT3G20395	na	RING/U-box su_3_7114033	7.96	promoter
AT4G08949	na	This gene enco_4_5736686	7.96	intergenic
AT5G41401	na	This gene enco_5_16575713	7.96	intergenic
AT5G01849	na	This gene enco_5_332173	7.95	intergenic
AT5G01850	na	Protein kinase s_5_332173	7.95	promoter
AT3G10500	NAC DOMAIN CONTAINING PROTEIN 5C	Encodes a trans_3_3271372	7.95	promoter
AT5G59910	(HTB4)	HTB4; FUNCTI(5_24126934	7.94	promoter
AT1G07210	na	Ribosomal prote_1_2214268	7.94	proximal promoter
AT2G13363	na	unknown protei_2_5543792	7.94	intergenic
AT2G30430	na	unknown protei_2_12967453	7.94	proximal promoter
AT3G13740	na	Ribonuclease III_3_4506904	7.94	intergenic
AT2G30424	TRICHOMELESS 2 (TCL2)	In a tandem rep_2_12967453	7.94	proximal promoter
AT5G59920	UV-B LIGHT INSENSITIVE 3 (ULI3)	Isolated in a scr_5_24126934	7.94	proximal promoter
AT2G01910	(ATMAP65-6)	Binds microtub_2_416715	7.93	promoter
AT5G49100	na	unknown protei_5_19897014	7.93	intergenic
AT5G22070	na	Core-2/l-branch_5_7307650	7.93	promoter
AT5G43270	SQUAMOSA PROMOTER BINDING PROTE	member of the_5_17363142	7.93	intron
AT4G37800	XYLOGLUCAN ENDOTRANSGLUCOSYL	xyloglucan endc_4_17778290	7.93	proximal promoter
AT1G20050	HYDRA1 (HYD1)	C-8 sterol isom_1_6948388	7.92	proximal promoter
AT5G04200	METACASPASE 9 (MC9)	Encodes a puta_5_1152798	7.92	proximal promoter
AT1G20040	na	pre-tRNA; tRNA_1_6948388	7.92	intergenic
AT1G11710	na	Pentatricopepti_1_3947248	7.92	proximal promoter
AT5G04190	PHYTOCHROME KINASE SUBSTRATE 4	Encodes phytoc_5_1152798	7.92	intergenic
AT2G24765	ADP-RIBOSYLATION FACTOR 3 (ARF3)	GTPase require_2_10561558	7.91	proximal promoter
AT4G17500	ETHYLENE RESPONSIVE ELEMENT BIND	Encodes a merr_4_9759178	7.91	promoter
AT3G54804	na	This gene enco_3_20293272	7.9	promoter
AT5G49435	na	pre-tRNA; tRNA_5_20046786	7.9	promoter
AT3G14840	na	Leucine-rich re_3_4988876	7.9	intron
AT2G03890	PHOSPHOINOSITIDE 4-KINASE GAMMA	Phosphoinositid_2_1188774	7.9	downstream
AT5G66460	ENDO-BETA-MANNANASE 7 (MAN7)	Encodes a endc_5_26541320	7.89	promoter
AT1G31420	FEI 1 (FE1)	Encodes a plasi_1_11249481	7.89	promoter
AT1G31410	na	putrescine-bind_1_11249481	7.89	promoter
AT2G35900	na	unknown protei_2_15073970	7.89	proximal promoter
AT2G35910	na	RING/U-box su_2_15073970	7.89	five_prime_UTR
AT3G11690	na	unknown protei_3_3696714	7.89	intergenic
AT2G01670	NUDIX HYDROLASE HOMOLOG 17 (NUI	nudix hydrolase_2_296498	7.89	downstream

AT3G53620	PYROPHOSPHORYLASE 4 (PPa4)	Encodes a solul 3_19880373	7.89	promoter
AT4G23980	AUXIN RESPONSE FACTOR 9 (ARF9)	Encodes auxin i 4_12450377	7.88	proximal promoter
AT5G57015	CASEIN KINASE I-LIKE 12 (cki12)	casein kinase I- 5_23070635	7.88	promoter
AT5G20630	GERMIN 3 (GER3)	Encodes a qern 5_6977960	7.88	proximal promoter
AT5G57010	na	calmodulin-bind 5_23070635	7.88	downstream
AT1G01540	na	Protein kinase s 1_194974	7.88	proximal promoter
AT1G15840	na	unknown protein 1_5451209	7.88	promoter
AT3G11670	DIGALACTOSYL DIACYLGLYCEROL DEI	Responsible for 3_3684717	7.87	promoter
AT2G05380	GLYCINE-RICH PROTEIN 3 SHORT ISOF	glycine-rich prot 2_1966634	7.87	promoter
AT1G42420	na	transposable elk 1_15880492	7.87	proximal promoter
AT2G20724	na	pseudogene of 2_8933386	7.87	promoter
AT2G20725	na	CAAX amino ter 2_8933386	7.87	downstream
AT5G43000	na	unknown proteir 5_17246200	7.87	downstream
AT4G14350	na	AGC (cAMP-de 4_8261074	7.87	promoter
AT5G25590	na	INVOLVED IN: 1 5_8910009	7.87	promoter
AT1G69526	na	S-adenosyl-L-m 1_26134616	7.87	intergenic
AT4G14743	na	pseudogene, hy 4_8456797	7.87	intergenic
AT5G42990	UBIQUITIN-CONJUGATING ENZYME 18	ubiquitin-conjug 5_17246200	7.87	promoter
AT1G09750	na	Eukaryotic aspa 1_3156709	7.86	proximal promoter
AT1G50010	TUBULIN ALPHA-2 CHAIN (TUA2)	Encodes alpha- 1_18517458	7.86	promoter
AT4G37750	AINTEGUMENTA (ANT)	ANT is required 4_17735347	7.85	intergenic
AT1G70300	K+ UPTAKE PERMEASE 6 (KUP6)	potassium trans 1_26480241	7.85	intron
AT5G62890	na	Xanthine/uracil 5_25241542	7.85	proximal promoter
AT2G42600	PHOSPHOENOLPYRUVATE CARBOXYL (ATCOAE)	Encodes one of 2_17741786	7.85	proximal promoter
AT2G27490	na	AT2G27490 enr 2_11750915	7.84	proximal promoter
AT2G36270	ABA INSENSITIVE 5 (ABI5)	Encodes a merr 2_15207614	7.84	promoter
AT2G34925	CLAVATA3/ESR-RELATED 42 (CLE42)	Belongs to a lar 2_14735301	7.84	intergenic
AT5G58760	DAMAGED DNA BINDING 2 (DDB2)	Encodes a DDE 5_23733951	7.84	promoter
AT5G01560	LECTIN RECEPTOR KINASE A4.3 (LECR)	Encodes LecRK 5_221117	7.84	proximal promoter
AT5G01570	na	unknown proteir 5_221117	7.84	promoter
AT2G36280	na	pre-tRNA; tRNA 2_15207614	7.84	intergenic
AT1G14270	na	CAAX amino ter 1_4877370	7.84	promoter
AT5G47660	na	Homeodomain-l 5_19312821	7.84	promoter
AT1G14280	PHYTOCHROME KINASE SUBSTRATE 2	Encodes phyto 1_4877370	7.84	promoter
AT2G44940	na	encodes a mem 2_18535906	7.83	proximal promoter
AT3G16400	NITRILE SPECIFIER PROTEIN 1 (NSP1)	Encodes a nitril 3_5565259	7.83	proximal promoter
AT2G42200	SQUAMOSA PROMOTER BINDING PRO	Encodes a puta 2_17587119	7.83	promoter
AT5G41905	MICRORNA166E (MIR166E)	Encodes a micr 5_16776353	7.82	proximal promoter
AT1G31710	na	Copper amine c 1_11353972	7.82	intron
AT1G31720	na	Protein of unkn 1_11353972	7.82	proximal promoter
AT2G38820	na	Protein of unkn 2_16221630	7.82	promoter
AT5G02811	na	This gene encoi 5_642339	7.82	downstream
AT5G02815	na	pre-tRNA; tRNA 5_642339	7.82	downstream
AT5G19930	na	Protein of unkn 5_6739577	7.82	promoter
AT5G19940	na	Plastid-lipid ass 5_6739577	7.82	promoter
AT2G39010	PLASMA MEMBRANE INTRINSIC PROTE	plasma membra 2_16290116	7.82	proximal promoter
AT5G02820	ROOT HAIRLESS 2 (RHL2)	Involved in the r 5_642339	7.82	promoter
AT4G23020	TON1 RECRUITING MOTIF 11 (TRM11)	unknown proteir 4_12067727	7.82	intron
AT2G34770	FATTY ACID HYDROXYLASE 1 (FAH1)	encodes a fatty 2_14665632	7.81	promoter
AT1G07580	na	pre-tRNA; tRNA 1_2335806	7.81	intergenic
AT2G44500	na	O-fucosyltransf 2_18372749	7.81	proximal promoter
AT5G43120	na	ARM-repeat/Tet 5_17315120	7.81	intergenic
AT2G34760	na	pseudogene, tu 2_14665632	7.81	intron
AT5G43130	TBP-ASSOCIATED FACTOR 4 (TAF4)	TBP-associated 5_17315120	7.81	intergenic
AT3G06850	(BCE2)	dihydroliipoamid 3_2160704	7.8	promoter
AT3G13970	AUTOPHAGY 12 B (APG12B)	AUTOPHAGY 1 3_4616460	7.8	proximal promoter
AT4G39350	CELLULOSE SYNTHASE A2 (CESA2)	Encodes a cellu 4_18296466	7.8	promoter
AT1G15175	na	Potential natura 1_5224262	7.8	promoter
AT1G15180	na	MATE efflux fan 1_5224262	7.8	promoter
AT4G38950	na	ATP binding mic 4_18160068	7.8	promoter
AT4G24370	na	unknown proteir 4_12612329	7.8	promoter
AT4G24380	na	INVOLVED IN: 4_12612329	7.8	promoter
AT1G05370	na	Sec14p-like phc 1_1569986	7.8	exon
AT1G48100	na	Pectin lyase-like 1_17768464	7.8	intron
AT3G24542	na	Beta-galactosid 3_8958140	7.8	intergenic
AT3G24550	PROLINE-RICH EXTENSIN-LIKE RECEPTOR (SIZ1)	Encodes a merr 3_8958140	7.8	proximal promoter
AT5G60410	na	Encodes a plar 5_24294752	7.79	promoter
AT2G35690	ACYL-COA OXIDASE 5 (ACX5)	Encodes an acy 2_14999136	7.79	proximal promoter
AT2G35680	na	Phosphotyrosin 2_14999136	7.79	promoter
AT5G15080	na	Protein kinase s 5_4886828	7.79	intron
AT5G66820	na	unknown proteir 5_26688273	7.79	proximal promoter
AT2G28350	AUXIN RESPONSE FACTOR 10 (ARF10)	Involved in root 2_12114086	7.78	promoter
AT1G25250	INDETERMINATE(ID)-DOMAIN 16 (IDD16)	indeterminate(lf 1_8852055	7.78	intergenic
AT1G22180	na	Sec14p-like phc 1_7832852	7.78	proximal promoter
AT3G63510	na	FMN-linked oxi 3_23450378	7.78	promoter
AT1G63640	na	P-loop nucleosir 1_23597482	7.78	proximal promoter
AT3G63500	TITANIA 2 (TTA2)	Encodes a PHD 3_23450378	7.78	promoter
AT5G65140	TREHALOSE-6-PHOSPHATE PHOSPHATASE (TPP)	Haloacid dehalc 5_26022401	7.78	promoter
AT5G46330	FLAGELLIN-SENSITIVE 2 (FLS2)	Encodes a leuci 5_18791581	7.77	promoter
AT5G02490	(Hsp70-2)	Heat shock prot 5_552959	7.76	promoter
AT5G02500	HEAT SHOCK COGNATE PROTEIN 70-1	encodes a mem 5_552959	7.76	intergenic
AT4G13940	HOMOLOGY-DEPENDENT GENE SILENCING	Encodes a S-ac 4_8054726	7.76	promoter
AT1G33450	na	transposable elk 1_12138646	7.76	proximal promoter
AT2G46787	na	unknown proteir 2_19232454	7.76	exon
AT1G05410	na	Protein of unkn 1_1588025	7.76	promoter
AT1G80610	na	unknown proteir 1_30302938	7.76	intron
AT2G15950	na	pre-tRNA; tRNA 2_6946732	7.76	downstream
AT2G15960	na	unknown proteir 2_6946732	7.76	proximal promoter
AT5G27350	(SFP1)	Encodes a sug 5_9652917	7.75	intron
AT5G27360	(SFP2)	Encodes a sug 5_9652917	7.75	intergenic
AT5G47230	ETHYLENE RESPONSIVE ELEMENT BINDING PROTEIN 1 (ERF1)	encodes a mem 5_19180901	7.75	exon
AT5G20270	HEPTAHELICAL TRANSMEMBRANE PROTEIN 1 (HTP1)	heptahelical trar 5_6842924	7.75	promoter
AT4G02425	na	unknown proteir 4_1067002	7.75	intergenic
AT4G02420	na	Concanavalin A 4_1067002	7.75	proximal promoter

AT5G47229	na	This gene encodes	5_19180901	7.75	proximal promoter
AT3G60640	AUTOPHAGY 8G (ATG8G)	AUTOPHAGY 8	3_22417450	7.74	intergenic
AT5G56500	CHAPERONIN-60BETA3 (CPN60BETA3)	Encodes a subu	5_22873546	7.74	promoter
AT5G56490	L-GULONON-1,4-LACTONE (L-GULL) O)	D-arabinono-1,4	5_22873546	7.74	downstream
AT3G03456	na	unknown protei	3_822777	7.74	promoter
AT3G03460	na	unknown protei	3_822777	7.74	downstream
AT4G04560	na	transposable el	4_2289066	7.74	proximal promoter
AT3G14230	RELATED TO AP2 2 (RAP2.2)	encodes a mem	3_4740602	7.74	proximal promoter
AT5G02150	FES1C (Fes1C)	Encodes one of	5_427393	7.73	proximal promoter
AT1G06180	MYB DOMAIN PROTEIN 13 (MYB13)	member of MYE	1_1888771	7.73	proximal promoter
AT3G47940	na	DNAJ heat shoc	3_17690953	7.73	proximal promoter
AT4G38930	na	Ubiquitin fusio	4_18151992	7.73	downstream
AT4G38932	na	Potential natura	4_18151992	7.73	exon
AT4G38940	na	Galactose oxid	4_18151992	7.73	proximal promoter
AT3G61962	na	This gene enc	3_22949547	7.73	proximal promoter
AT5G56220	na	P-loop contain	5_22758207	7.73	intergenic
AT5G56240	na	INVOLVED IN:	15_22758207	7.73	intergenic
AT5G02160	na	unknown protei	5_427393	7.73	downstream
AT5G02170	na	Transmembran	5_427393	7.73	promoter
AT2G02950	PHYTOCHROME KINASE SUBSTRATE 1	Encodes a basi	2_856669	7.73	promoter
AT5G56230	PRENYLATED RAB ACCEPTOR 1.G2 (P	prenylated RAB	5_22758207	7.73	intergenic
AT4G36860	na	LIM domain-cor	4_17363724	7.72	proximal promoter
AT4G27960	UBIQUITIN CONJUGATING ENZYME 9 (U	biubiquitin conju	4_13917571	7.72	promoter
AT3G12380	ACTIN-RELATED PROTEIN 5 (ARP5)	Encodes a gene	3_3942128	7.71	promoter
AT3G62100	INDOLE-3-ACETIC ACID INDUCIBLE 30 (	Encodes a mem	3_22995175	7.71	proximal promoter
AT3G12385	na	pre-tRNA; tRNA	3_3942128	7.71	downstream
AT3G12390	na	Nascent polype	3_3942128	7.71	promoter
AT4G18670	na	Leucine-rich re	4_10279378	7.71	proximal promoter
AT5G64220	na	Calmodulin-bin	5_25685991	7.71	promoter
AT3G62097	na	This gene enc	3_22995175	7.71	proximal promoter
AT4G00180	YABBY3 (YAB3)	YABBY gene fai	4_76606	7.71	proximal promoter
AT1G08920	ERD (EARLY RESPONSE TO DEHYDRAT	Encodes ESL1,	1_2864193	7.7	intergenic
AT1G66230	MYB DOMAIN PROTEIN 20 (MYB20)	Encodes a puta	1_24677124	7.7	promoter
AT1G12760	na	Zinc finger, C3F	1_4348459	7.7	promoter
AT3G13040	na	myb-like HTH tr	3_4176407	7.7	proximal promoter
AT3G13050	NICOTINATE TRANSPORTER (NiaP)	Encodes a plan	3_4176407	7.7	promoter
AT1G12750	RHOMBOID-LIKE PROTEIN 6 (RBL6)	RHOMBOID-like	1_4348459	7.7	promoter
AT5G02500	HEAT SHOCK COGNATE PROTEIN 70-1	encodes a mem	5_556556	7.69	promoter
AT5G07290	MEI2-LIKE 4 (ML4)	AML4 A memb	5_2292417	7.69	proximal promoter
AT3G26511	na	unknown protei	3_9718048	7.69	intergenic
AT1G02630	na	Nucleoside tran	1_559881	7.69	intergenic
AT3G60966	na	RING/U-box su	3_22553383	7.69	three_prime_UTR
AT5G65110	ACYL-COA OXIDASE 2 (ACX2)	Encodes an acy	5_26012721	7.67	promoter
AT5G65670	INDOLE-3-ACETIC ACID INDUCIBLE 9 (I	auxin (indole-3-	5_26250979	7.67	proximal promoter
AT5G65120	na	unknown protei	5_26012721	7.67	promoter
AT3G11690	na	unknown protei	3_3691917	7.67	intergenic
AT5G13340	na	unknown protei	5_4277104	7.67	intergenic
AT1G60190	PLANT U-BOX 19 (PUB19)	Encodes PUB1	1_22198174	7.67	promoter
AT5G16190	CELLULOSE SYNTHASE LIKE A11 (CSL	encodes a gene	5_5288010	7.66	proximal promoter
AT2G45050	GATA TRANSCRIPTION FACTOR 2 (GAT	Encodes a mem	2_18580291	7.66	proximal promoter
AT3G57540	na	Remorin family	1_3_21303165	7.66	promoter
AT5G59700	na	Protein kinase	s 5_24055937	7.66	proximal promoter
AT4G36830	(HOS3-1)	HOS3-1; JUNC	4_17350198	7.65	exon
AT1G79110	BOI-RELATED GENE 2 (BRG2)	Encodes one of	1_29761047	7.65	intergenic
AT4G36820	na	Protein of unkn	4_17350198	7.65	intergenic
AT5G18830	SQUAMOSA PROMOTER BINDING PRO	Encodes a mem	5_6274955	7.65	proximal promoter
AT3G47160	na	RING/U-box su	3_17362216	7.64	promoter
AT1G16260	na	Wall-associat	ec 1_5562906	7.64	proximal promoter
AT1G16270	na	Protein kinase	s 1_5562906	7.64	promoter
AT3G54920	POWDERY MILDEW RESISTANT 6 (PMF	Powdery mildew	3_20346830	7.64	intron
AT4G34410	REDOX RESPONSIVE TRANSCRIPTION	encodes a mem	4_16450785	7.64	proximal promoter
AT5G40380	CYSTEINE-RICH RLK (RECEPTOR-LIKE	Encodes a cyst	5_16151411	7.63	promoter
AT4G02425	na	unknown protei	4_1068921	7.63	promoter
AT3G01430	na	BEST Arabidop	3_165642	7.63	exon
AT1G15757	na	Encodes a defe	1_5423283	7.63	intergenic
AT2G24280	na	alpha/beta-Hyd	2_10331909	7.63	proximal promoter
AT2G31800	na	Integrin-linked	p 2_13523988	7.63	promoter
AT2G31810	na	ACT domain-co	2_13523988	7.63	promoter
AT3G01850	na	Aldolase-type	T 3_303503	7.63	proximal promoter
AT3G01860	na	unknown protei	3_303503	7.63	intron
AT4G18570	na	Tetratricopept	id 4_10231366	7.63	five_prime_UTR
AT5G51910	na	TCP family tran	5_21095048	7.63	exon
AT4G04890	PROTODERMAL FACTOR 2 (PDF2)	Encodes a hom	4_2482377	7.63	promoter
AT4G02430	SERINE/ARGININE-RICH PROTEIN SPLI	Barta et al (201	4_1068921	7.63	promoter
AT2G01930	BASIC PENTACYSTEINE1 (BPC1)	BASIC PENTAC	2_428723	7.62	five_prime_UTR
AT2G29420	GLUTATHIONE S-TRANSFERASE TAU 7	Encodes glutath	2_12619024	7.62	promoter
AT1G08810	MYB DOMAIN PROTEIN 60 (MYB60)	putative transcr	1_2820433	7.62	promoter
AT3G50340	na	unknown protei	3_18664990	7.62	downstream
AT4G20880	na	ethylene-respor	4_11180787	7.62	five_prime_UTR
AT1G05860	na	unknown protei	1_1768871	7.62	promoter
AT1G05850	POM-POM1 (POM1)	Encodes an enc	1_1768871	7.62	promoter
AT2G46860	PYROPHOSPHORYLASE 3 (PPa3)	Encodes a prote	2_19255680	7.62	intergenic
AT3G53350	ROP INTERACTIVE PARTNER 4 (RIP4)	ROP interactive	3_19782933	7.62	promoter
AT3G50830	COLD-REGULATED 413-PLASMA MEMB	cold acclimation	3_18892501	7.61	intergenic
AT1G10960	FERREROXIN 1 (FD1)	ferredoxin 1 (F	C 1_3664222	7.61	promoter
AT1G53080	na	Legume lectin	f 1_19782864	7.61	intergenic
AT3G50825	na	snoRNA; snoR	N 3_18892501	7.61	intergenic
AT1G09250	na	basic helix-loop	1_2991476	7.61	intergenic
AT3G20340	na	Expression of	tf 3_7094418	7.61	proximal promoter
AT2G43340	na	Protein of unkn	2_18007553	7.61	promoter
AT5G47190	na	Ribosomal prote	5_19166900	7.61	proximal promoter
AT5G40960	na	Protein of unkn	5_16413480	7.61	promoter
AT5G40970	na	Protein of unkn	5_16413480	7.61	proximal promoter
AT3G50820	PHOTOSYSTEM II SUBUNIT O-2 (PSB2	Encodes a prot	3_18892501	7.61	promoter

AT3G20330	PYRIMIDINE B (PYRB)	encodes aspart: 3_7094418	7.61	proximal promoter
AT5G47200	RAB GTPASE HOMOLOG 1A (RAB1A)	AtRabD2b encc 5_19166900	7.61	promoter
AT1G53090	SPA1-RELATED 4 (SPA4)	Encodes a merr 1_19782864	7.61	promoter
AT1G10950	TRANSMEMBRANE NINE 1 (TMN1)	Encodes an Ara 1_3664222	7.61	intergenic
AT3G53402	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 3_19798163	7.6	five_prime_UTR
AT4G23220	CYSTEINE-RICH RLK (RECEPTOR-LIKE	Encodes a cystr 4_12157159	7.6	promoter
AT4G29740	CYTOKININ OXIDASE 4 (CKX4)	It encodes a prc 4_14564762	7.6	proximal promoter
AT3G47540	na	Chitinase family 3_17523323	7.6	intergenic
AT3G47550	na	RING/FYVE/PH 3_17523323	7.6	promoter
AT3G53400	na	BEST Arabidop: 3_19798163	7.6	five_prime_UTR
AT4G29735	na	unknown proteir 4_14564762	7.6	promoter
AT5G59030	COPPER TRANSPORTER 1 (COPT1)	encodes a putar 5_23833483	7.59	intergenic
AT3G23050	INDOLE-3-ACETIC ACID 7 (IAA7)	Transcription re 3_8196957	7.59	three_prime_UTR
AT3G27090	na	DCD (Developn 3_9989492	7.59	promoter
AT3G23750	na	Leucine-rich ref 3_8557677	7.59	proximal promoter
AT1G76900	TUBBY LIKE PROTEIN 1 (TLP1)	Member of TLP 1_28880431	7.59	proximal promoter
AT2G07050	CYCLOARTENOL SYNTHASE 1 (CAS1)	Involved in the t 2_2924403	7.58	promoter
AT3G14990	DJ-1 HOMOLOG A (DJ1A)	Encodes a hom 3_5047210	7.58	promoter
AT1G51940	LYSM-CONTAINING RECEPTOR-LIKE KI	Encodes a LysM 1_19300143	7.58	proximal promoter
AT2G43880	na	Pectin lyase-like 2_18171237	7.58	proximal promoter
AT4G39160	na	Homeodomain-l 4_18240213	7.58	intron
AT4G39170	na	Sec14p-like phc 4_18240213	7.58	promoter
AT5G24870	na	RING/U-box suj 5_8548636	7.58	proximal promoter
AT3G15000	RNA-EDITING FACTOR INTERACTING P	Encodes RIP1 (3_5047210	7.58	intergenic
AT1G71080	na	RNA polymera 1_26812014	7.57	promoter
AT3G42160	na	Pectin lyase-like 3_14316482	7.57	intergenic
AT4G17670	na	Protein of unknk 4_9835526	7.57	proximal promoter
AT5G52430	na	hydroxyproline-i 5_21285282	7.57	promoter
AT3G26720	na	Glycosyl hydrolk 3_9823629	7.57	intergenic
AT3G26730	na	RING/U-box suj 3_9823629	7.57	promoter
AT3G61070	PEROXIN 11E (PEX11E)	member of the r 3_22602824	7.57	intergenic
AT3G61060	PHLOEM PROTEIN 2-A13 (PP2-A13)	phloem protein : 3_22602824	7.57	promoter
AT3G11910	UBIQUITIN-SPECIFIC PROTEASE 13 (UE	ubiquitin-specifi 3_3770578	7.57	promoter
AT5G08130	(BIM1)	Arabidopsis thal 5_2612961	7.56	proximal promoter
AT4G29900	AUTOINHIBITED CA(2+)-ATPASE 10 (AC	one of the type 1 4_14624846	7.56	intergenic
AT3G63060	EID1-LIKE 3 (EDL3)	EDL3 is an F-bc 3_23302120	7.56	proximal promoter
AT4G38680	GLYCINE RICH PROTEIN 2 (GRP2)	Encodes a glyci 4_18071724	7.56	downstream
AT2G20980	MINICHROMOSOME MAINTENANCE 10	Similar to MCM: 2_9014114	7.56	promoter
AT5G01734	na	unknown proteir 5_279738	7.56	proximal promoter
AT5G01740	na	Nuclear transpc 5_279738	7.56	proximal promoter
AT4G38670	na	Pathogenesis-rr 4_18071724	7.56	promoter
AT4G38690	na	PLC-like phospl 4_18071724	7.56	intergenic
AT2G20990	SYNAPTOTAGMIN A (SYTA)	Encodes a plasi 2_9014114	7.56	promoter
AT5G63420	EMBRYO DEFECTIVE 2746 (emb2746)	embryo defectiv 5_25398968	7.55	proximal promoter
AT5G20900	JASMONATE-ZIM-DOMAIN PROTEIN 12	jasmonate-zim- 5_7090619	7.55	promoter
AT2G14050	MINICHROMOSOME MAINTENANCE 9 (I	minichromosom 2_5914071	7.55	intergenic
AT1G53500	MUCILAGE-MODIFIED 4 (MUM4)	encodes a putar 1_19969711	7.55	five_prime_UTR
AT2G14060	na	encodes a prote 2_5914071	7.55	intergenic
AT5G44010	na	unknown proteir 5_17707008	7.55	three_prime_UTR
AT5G63410	na	Leucine-rich ref 5_25398968	7.55	proximal promoter
AT5G20890	na	TCP-1/cpn60 ct 5_7090619	7.55	proximal promoter
AT1G54080	OLIGOURIDYLATE-BINDING PROTEIN 1	oligouridylate-bi 1_20187089	7.55	five_prime_UTR
AT1G08650	PHOSPHOENOLPYRUVATE CARBOXYL	Encodes a phos 1_2755742	7.55	intergenic
AT5G22770	ALPHA-ADAPTIN (alpha-ADR)	alpha-adaptin (ε 5_7588494	7.54	promoter
AT3G23637	DEVIL 21 (DVL21)	Member of a far 3_8500649	7.54	proximal promoter
AT5G66120	na	3-dehydroquina 5_26433880	7.54	promoter
AT2G03240	na	EXS (ERD1/XPI 2_977621	7.54	promoter
AT1G21400	na	Thiamin diphost 1_7494248	7.54	intron
AT1G35140	PHOSPHATE-INDUCED 1 (PHI-1)	EXL1 is involve 1_12851857	7.54	promoter
AT4G14560	INDOLE-3-ACETIC ACID INDUCIBLE (IAA	auxin (indole-3- 4_8360932	7.53	promoter
AT3G52800	na	A20/AN1-like zir 3_19570443	7.53	three_prime_UTR
AT3G21560	UDP-GLUCOSYL TRANSFERASE 84A2	Encodes a prote 3_7598864	7.53	intergenic
AT1G29300	UNFERTILIZED EMBRYO SAC 1 (UNE1)	unfertilized emb 1_10248028	7.53	three_prime_UTR
AT1G26810	GALACTOSYLTRANSFERASE1 (GALT1)	Encodes a prote 1_9286381	7.52	intergenic
AT5G27920	na	F-box family prc 5_9944982	7.52	promoter
AT3G19010	na	2-oxoglutarate (3_6557096	7.52	intron
AT1G07870	na	Protein kinase s 1_2432153	7.52	promoter
AT1G26800	na	RING/U-box suj 1_9286381	7.52	promoter
AT5G47390	na	myb-like transcr 5_19229055	7.52	downstream
AT5G47400	na	unknown proteir 5_19229055	7.52	promoter
AT3G55500	EXPANSIN A16 (EXPA16)	expansin-like pr 3_20577591	7.51	proximal promoter
AT5G59480	na	Haloacid dehalc 5_23981634	7.51	promoter
AT1G15730	na	Cobalamin bios: 1_5410783	7.51	proximal promoter
AT1G15740	na	Leucine-rich ref 1_5410783	7.51	promoter
AT5G57660	CONSTANS-LIKE 5 (COL5)	CONSTANS-like 5_23352438	7.5	intergenic
AT5G41774	na	This gene enccr 5_16722207	7.5	exon
AT5G12040	na	Nitrilase/cyanid 5_3885072	7.5	five_prime_UTR
AT5G19770	TUBULIN ALPHA-3 (TUA3)	tubulin 3 5_6684640	7.5	promoter
AT5G59220	HIGHLY ABA-INDUCED PP2C GENE 1 (H	highly ABA-indu 5_23898693	7.49	proximal promoter
AT4G03420	na	Protein of unknk 4_1510241	7.49	proximal promoter
AT3G15450	na	Aluminium indur 3_5213023	7.49	five_prime_UTR
AT3G15460	na	Ribosomal RNA 3_5213023	7.49	intergenic
AT3G16800	na	Protein phosphz 3_5719057	7.49	proximal promoter
AT3G15430	na	Regulator of chr 3_5213023	7.49	intergenic
AT1G32700	na	PLATZ transcrip 1_11827414	7.49	promoter
AT2G25200	na	Plant protein of 2_10737756	7.49	promoter
AT3G16785	PHOSPHOLIPASE D P1 (PLDP1)	Encodes a merr 3_5719057	7.49	downstream
AT3G22380	TIME FOR COFFEE (TIC)	Encodes a nucl 3_7919883	7.49	intergenic
AT3G08980	na	Peptidase S24/ 3_2742833	7.48	downstream
AT3G08990	na	Yippee family pr 3_2742833	7.48	promoter
AT2G18960	H(+)-ATPASE 1 (HA1)	Encodes a plasi 2_8222940	7.47	intron
AT3G63210	(MARD1)	encodes a nove 3_23355263	7.46	promoter
AT1G23360	(MENG)	Encodes a 2-ph 1_8298393	7.46	proximal promoter
AT1G69530	EXPANSIN A1 (EXPA1)	Member of Alpha 1_26144616	7.46	intergenic

AT1G55110	INDETERMINATE(ID)-DOMAIN 7 (IDD7)	indeterminate(lf_1_20561324	7.46	intron
AT1G23380	KNOTTED1-LIKE HOMEODOMAIN GENE 6 (KNOTTED1-LIKE HOMEODOMAIN 6)	homeodomain t1_1_8298393	7.46	intron
AT3G19025	na	pseudogene, sir_3_6564616	7.46	intergenic
AT3G19030	na	unknown proteir_3_6564616	7.46	promoter
AT3G19035	na	unknown proteir_3_6564616	7.46	proximal promoter
AT3G01690	na	alpha/beta-Hydr_3_255777	7.46	proximal promoter
AT3G63220	na	Galactose oxidase_3_23355263	7.46	intergenic
AT4G13110	na	BSD domain-co_4_7641376	7.46	promoter
AT1G80460	NONHOST RESISTANCE TO P. S. PHAS	Encodes a prot_1_30249343	7.46	promoter
AT3G01680	SIEVE-ELEMENT-OCCLUSION-RELATED	Encodes a prot_3_255777	7.46	intergenic
AT5G63050	EMBRYO DEFECTIVE 2759 (EMB2759)	embryo defectiv_5_25291733	7.45	proximal promoter
AT1G26770	EXPANSIN A10 (EXPA10)	Encodes an exp_1_9261440	7.45	downstream
AT2G43330	INOSITOL TRANSPORTER 1 (INT1)	Encodes a tono_2_18000743	7.45	promoter
AT4G27940	MANGANESE TRACKING FACTOR FOR	manganese trac_4_13904310	7.45	promoter
AT2G43320	na	S-adenosyl-L-m_2_18000743	7.45	proximal promoter
AT5G63180	na	Pectin lyase-like_5_25344162	7.45	proximal promoter
AT5G63190	na	MA3 domain-co_5_25344162	7.45	proximal promoter
AT1G15500	(ATNTT2)	ATNTT2; FUNC_1_5325265	7.44	proximal promoter
AT1G79350	EMBRYO DEFECTIVE 1135 (EMB1135)	embryo defectiv_1_29853642	7.44	promoter
AT4G40060	HOMEODOMAIN PROTEIN 16 (HB16)	Encodes a hom_4_18569726	7.44	intergenic
AT5G65310	HOMEODOMAIN PROTEIN 5 (HB5)	Encodes a clas_5_26105348	7.44	proximal promoter
AT2G28056	MICRORNA172A (MIR172A)	Encodes a micr_2_11941304	7.44	intergenic
AT2G28053	na	transposable elk_2_11941304	7.44	proximal promoter
AT3G11825	na	Encodes a Prot_3_3731068	7.44	proximal promoter
AT5G43450	na	encodes a prote_5_17456798	7.44	intergenic
AT5G51770	na	Protein kinase s_5_21029858	7.44	proximal promoter
AT5G43440	na	encodes a prote_5_17456798	7.44	promoter
AT1G79360	ORGANIC CATION/CARNITINE TRANSPORTER	organic cation/c_1_29853642	7.44	intergenic
AT1G31340	RELATED TO UBIQUITIN 1 (RUB1)	Encodes a ubiq_1_11220221	7.44	proximal promoter
AT3G11820	SYNTAXIN OF PLANTS 121 (SYP121)	Encodes a synt_3_3731068	7.44	five_prime_UTR
AT2G40140	(CZF1)	CZF1; CONTAIL_2_16776499	7.43	intergenic
AT2G40160	(TBL30)	Encodes a merr_2_16776499	7.43	proximal promoter
AT1G48410	ARGONAUTE 1 (AGO1)	Encodes an RN_1_17892644	7.43	promoter
AT1G20620	CATALASE 3 (CAT3)	Catalase, cataly_1_7141532	7.43	proximal promoter
AT5G55670	na	RNA-binding (R_5_22547176	7.43	promoter
AT1G64385	na	unknown proteir_1_23902989	7.43	intergenic
AT5G50840	na	CONTAINS Inte_5_20685607	7.43	promoter
AT1G19400	na	Erythronate-4-p_1_6712698	7.43	intron
AT5G40460	na	unknown proteir_5_16202019	7.43	promoter
AT1G14370	PROTEIN KINASE 2A (APK2A)	Encodes proteir_1_4915495	7.43	promoter
AT2G40150	TRICHOME BIREFRINGENCE-LIKE 28 (TBL28)	Encodes a merr_2_16776499	7.43	intron
AT2G46330	ARABINOGALACTAN PROTEIN 16 (AGP16)	Encodes arabin_2_19020029	7.42	proximal promoter
AT1G13080	CYTOCHROME P450, FAMILY 71, SUBFAMILY 4 (CYP71A4)	cytochrome P4f_1_4459049	7.42	promoter
AT3G26932	DSRNA-BINDING PROTEIN 3 (DRB3)	dsRNA-binding_3_9932489	7.42	promoter
AT1G14840	MICROTUBULE-ASSOCIATED PROTEIN 1 (MAP1)	Encodes a micr_1_5115683	7.42	promoter
AT3G54000	na	CONTAINS Inte_3_19996405	7.42	promoter
AT5G38130	na	HXXXD-type ac_5_15217318	7.42	intergenic
AT3G26935	na	DHHC-type zinc_3_9932489	7.42	downstream
AT4G38550	na	Arabidopsis phc_4_18025461	7.42	promoter
AT4G38552	na	Potential natura_4_18025461	7.42	downstream
AT5G60680	na	Protein of unknt_5_24390578	7.42	intergenic
AT4G13395	ROTUNDIFOLIA LIKE 12 (RTFL12)	ROTUNDIFOLI_4_7786081	7.42	five_prime_UTR
AT2G26660	SPX DOMAIN GENE 2 (SPX2)	SPX domain ge_2_11338604	7.42	promoter
AT4G31390	ABC1-LIKE KINASE RELATED TO CHLOROPLAST	Protein kinase s_4_15231426	7.41	proximal promoter
AT5G22040	na	unknown proteir_5_7299260	7.41	promoter
AT4G03110	RNA-BINDING PROTEIN-DEFENSE RELATED	Encodes a puta_4_1379582	7.41	promoter
AT5G38740	AGAMOUS-LIKE 77 (AGL77)	AGAMOUS-like_5_15515026	7.4	proximal promoter
AT4G30510	HOMOLOG OF YEAST AUTOPHAGY 18 (HAP18)	homolog of yeas_4_14907785	7.4	promoter
AT2G36320	na	A20/AN1-like zii_2_15228805	7.4	five_prime_UTR
AT4G37240	na	unknown proteir_4_17524375	7.4	promoter
AT2G36310	URIDINE-RIBOHYDROLASE 1 (URH1)	Encodes a cyto_2_15228805	7.4	proximal promoter
AT1G80840	WRKY DNA-BINDING PROTEIN 40 (WRKY40)	Pathogen-induc_1_30383579	7.4	promoter
AT5G66360	ADENOSINE DIMETHYL TRANSFERASE	Encodes a mito_5_26510044	7.39	promoter
AT5G09440	EXORDIUM LIKE 4 (EXL4)	EXORDIUM like_5_2935829	7.39	proximal promoter
AT4G34740	GLN PHOSPHORIBOSYL PYROPHOSPHATASE	Encodes glutarr_4_16576831	7.39	promoter
AT2G34430	LIGHT-HARVESTING CHLOROPHYLL PROTEIN 2 (LHC2)	Photosystem II l_2_14524596	7.39	promoter
AT3G19530	na	BEST Arabidop_3_6777362	7.39	proximal promoter
AT1G32190	na	alpha/beta-Hydr_1_11598503	7.39	proximal promoter
AT3G58600	na	Adaptin ear-bin_3_21671316	7.39	promoter
AT3G58610	na	ketol-acid reduc_3_21671316	7.39	promoter
AT3G60670	na	PLATZ transcrip_3_22427870	7.39	proximal promoter
AT4G34750	na	SAUR-like auxir_4_16576831	7.39	proximal promoter
AT4G00720	SHAGGY-LIKE PROTEIN KINASE 32 (SKP32)	Encodes ASKth_4_297361	7.39	promoter
AT5G66880	SUCROSE NONFERMENTING 1 (SNF1)	encodes a mem_5_26709997	7.39	proximal promoter
AT1G20900	ESCAROLA (ESC)	Encodes an AT_1_7270589	7.38	proximal promoter
AT5G56980	na	unknown proteir_5_23059514	7.38	proximal promoter
AT1G58602	na	LRR and NB-AF_1_21746190	7.38	promoter
AT1G76420	CUP SHAPED COTYLEDON3 (CUC3)	Identified in an e_1_28677348	7.37	intergenic
AT5G07240	IQ-DOMAIN 24 (IQD24)	IQ-domain 24 (l_5_2272614	7.37	intron
AT2G22241	na	unknown proteir_2_9454340	7.37	exon
AT2G03690	na	Ubiquinone bios_2_1123212	7.37	promoter
AT2G03700	na	pre-tRNA; tRNA_2_1123212	7.37	downstream
AT1G07040	na	unknown proteir_1_2164109	7.37	proximal promoter
AT1G07050	na	CCT motif famih_1_2164109	7.37	downstream
AT1G54820	na	Protein kinase s_1_20448123	7.37	intron
AT1G55690	na	Sec14p-like phc_1_20815239	7.37	proximal promoter
AT3G50651	na	unknown proteir_3_18809903	7.37	intergenic
AT1G15100	RING-H2 FINGER A2A (RHA2A)	Encodes a puta_1_5195951	7.37	proximal promoter
AT5G63880	(VPS20.1)	VPS20.1; CON_5_25563423	7.36	promoter
AT5G55910	D6 PROTEIN KINASE (D6PK)	D6PK is a prote_5_22645041	7.36	proximal promoter
AT4G21740	na	unknown proteir_4_11545852	7.36	promoter
AT3G08020	na	PHD finger fami_3_2562919	7.36	proximal promoter
AT2G22241	na	unknown proteir_2_9456877	7.36	intergenic
AT5G55920	OLIGOCELLULA 2 (OLI2)	Encodes a hom_5_22645041	7.36	intergenic

AT1G16880	ACT DOMAIN REPEATS 11 (ACR11)	Encodes a ACT 1_5773425	7.35	promoter
AT1G15010	na	unknown protein 1_5171074	7.35	promoter
AT1G16870	na	mitochondrial 2t 1_5773425	7.35	promoter
AT1G17830	na	Protein of unkn 1_6137540	7.35	intron
AT4G39070	na	B-box zinc finger 4_18208871	7.35	proximal promoter
AT5G63860	UVB-RESISTANCE 8 (UVR8)	UV-B-specific si 5_25558795	7.35	five_prime_UTR
AT4G39080	VACUOLAR PROTON ATPASE A3 (VHA-	Vacuolar proton 4_18208871	7.35	proximal promoter
AT2G03360	na	Glycosyltransferase 2_1025845	7.34	proximal promoter
AT2G03370	na	Glycosyltransferase 2_1025845	7.34	exon
AT5G65740	na	zinc ion binding; 5_26301436	7.34	downstream
AT5G65720	NITROGEN FIXATION S (NIFS)-LIKE 1 (N	Encodes a cyst 5_26301436	7.34	intergenic
AT1G79590	SYNTAXIN OF PLANTS 52 (SYP52)	Encodes one of 1_29949335	7.34	intergenic
AT2G41630	TRANSCRIPTION FACTOR IIB (TFIIB)	Encodes the tra 2_17357789	7.34	promoter
AT5G65730	XYLOGLUCAN ENDOTRANGLUCOSYL	xyloglucan endc 5_26301436	7.34	intergenic
AT2G41660	MIZU-KUSSEI 1 (MIZ1)	Essential for hy 2_17369568	7.33	intergenic
AT3G19390	na	Granulin repeat 3_6720056	7.33	proximal promoter
AT1G16750	na	Protein of unkn 1_5731898	7.33	promoter
AT2G17556	na	unknown protein 2_7641368	7.33	proximal promoter
AT4G19460	na	UDP-Glycosyltr: 4_10612238	7.33	promoter
AT1G72750	TRANSLOCASE INNER MEMBRANE SUF	translocase inn 1_27383329	7.33	promoter
AT3G09260	(PYK10)	Encodes beta-g 3_2844685	7.32	proximal promoter
AT1G02510	(TPK4)	Encodes AITPK 1_522024	7.32	promoter
AT5G01520	ABA INSENSITIVE RING PROTEIN 2 (AIR	RING/U-box su 5_206244	7.32	promoter
AT4G23750	CYTOKININ RESPONSE FACTOR 2 (CRF	encodes a mem 4_12373182	7.32	intergenic
AT4G08980	F-BOX WITH WD-40 2 (FBW2)	Encodes an F-b 4_5757896	7.32	promoter
AT5G67200	na	Leucine-rich rep 5_26817182	7.32	proximal promoter
AT1G22320	na	pre-tRNA; tRNA 1_7884334	7.32	downstream
AT2G37030	na	SAUR-like auxin 2_15552671	7.32	proximal promoter
AT1G67340	na	HCP-like super 1_25230157	7.32	promoter
AT5G67630	na	P-loop containir 5_26969671	7.32	promoter
AT5G67640	na	unknown protein 5_26969671	7.32	intron
AT2G37025	TRF-LIKE 8 (TRFL8)	TRF-like 8 (TRF 2_15552671	7.32	intergenic
AT5G25460	DUF642 L-GALL RESPONSIVE GENE 2	Protein of unkn 5_8864175	7.31	intron
AT2G29670	na	Tetratricopeptid 2_12682594	7.31	intron
AT2G18860	na	Syntaxin/t-SNAI 2_8164121	7.31	promoter
AT5G54148	na	unknown protein 5_21975208	7.31	intergenic
AT3G50080	VIER F-BOX PROTEINE 2 (VFB2)	Encodes an F-b 3_18572662	7.31	promoter
AT1G49620	(ICK5)	Kip-related prot 1_18366789	7.3	promoter
AT5G03210	DBP-INTERACTING PROTEIN 2 (DIP2)	Encodes a sma 5_763540	7.3	promoter
AT5G22890	na	C2H2 and C2H 5_7655642	7.3	proximal promoter
AT3G16400	NITRILE SPECIFIER PROTEIN 1 (NSP1)	Encodes a nitril 3_5568678	7.3	downstream
AT1G21100	INDOLE GLUCOSINOLATE O-METHYL	O-methyltransfe 1_7388715	7.29	promoter
AT2G29679	na	unknown protein 2_12688756	7.29	intergenic
AT4G33565	na	RING/U-box su 4_16136409	7.29	promoter
AT5G01420	na	Glutaredoxin fa 5_176387	7.29	promoter
AT5G01430	na	Gott1/Sft2-like v 5_176387	7.29	downstream
AT1G29150	NON-ATPASE SUBUNIT 9 (ATS9)	specifically inter 1_10180403	7.29	promoter
AT5G47110	(LIL32)	Chlorophyll A-B 5_19135912	7.28	proximal promoter
AT5G47120	BAX INHIBITOR 1 (BI1)	Encodes BI-1, a 5_19135912	7.28	promoter
AT5G51990	C-REPEAT-BINDING FACTOR 4 (CBF4)	encodes a mem 5_21118239	7.28	promoter
AT3G60680	na	Plant protein of 3_22432300	7.28	intergenic
AT1G26160	na	Metal-depender 1_9043980	7.28	intergenic
AT1G77200	na	encodes a mem 1_29006374	7.28	proximal promoter
AT4G13530	na	unknown protein 4_7869491	7.28	intergenic
AT4G13540	na	unknown protein 4_7869491	7.28	promoter
AT5G67290	na	FAD-dependent 5_26849951	7.28	promoter
AT1G26150	PROLINE-RICH EXTENSIN-LIKE RECEPTOR	Encodes a mem 1_9043980	7.28	proximal promoter
AT2G40090	ABC2 HOMOLOG 9 (ATH9)	member of ATH 2_16741099	7.27	proximal promoter
AT1G01600	CYTOCHROME P450, FAMILY 86, SUBF	Encodes a mem 1_218809	7.27	promoter
AT1G01610	GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE	Encodes a prot 1_218809	7.27	intergenic
AT5G44190	GOLDEN2-LIKE 2 (GLK2)	Encodes GLK2, 5_17792821	7.27	intergenic
AT5G03220	na	Mediator compl 5_767094	7.27	intergenic
AT2G44500	na	O-fucosyltransf 2_18374285	7.27	promoter
AT3G03680	na	C2 calcium/lipid 3_910890	7.27	downstream
AT3G47341	na	unknown protein 3_17442318	7.27	intergenic
AT5G46250	na	RNA-binding pri 5_18753977	7.27	proximal promoter
AT4G00570	NAD-DEPENDENT MALIC ENZYME 2 (NAD	Encodes an NA 4_246932	7.27	promoter
AT3G55000	TONNEAU 1A (TON1A)	Encodes a prot 3_20378990	7.27	proximal promoter
AT3G03690	UNFERTILIZED EMBRYO SAC 7 (UNE7)	unfertilized emb 3_910890	7.27	intergenic
AT2G02800	PROTEIN KINASE 2B (APK2B)	Encodes protein 2_799575	7.26	promoter
AT2G43510	TRYPSIN INHIBITOR PROTEIN 1 (TI1)	Member of the c 2_18067684	7.26	three_prime_UTR
AT3G16520	UDP-GLUCOSYL TRANSFERASE 88A1 (UGT	UDP-glucosyl tr 3_5620920	7.26	promoter
AT5G53050	na	alpha/beta-Hydr 5_21513651	7.25	promoter
AT1G61100	na	disease resistar 1_22512326	7.25	intron
AT1G70900	na	unknown protein 1_26731648	7.25	promoter
AT5G52510	SCARECROW-LIKE 8 (SCL8)	SCARECROW- 5_21306849	7.25	promoter
AT1G01650	SIGNAL PEPTIDE PEPTIDASE-LIKE 4 (SI	SIGNAL PEPTII 1_237912	7.25	promoter
AT4G18170	WRKY DNA-BINDING PROTEIN 28 (WRK	member of WR 4_10060447	7.25	proximal promoter
AT1G07090	LIGHT SENSITIVE HYPOCOTYLS 6 (LSH	LIGHT SENSITI 1_2175059	7.24	promoter
AT1G12380	na	unknown protein 1_4217253	7.24	promoter
AT2G34480	na	Ribosomal prote 2_14534747	7.24	proximal promoter
AT2G46380	na	Protein of unkn 2_19038932	7.24	promoter
AT3G57880	na	Calcium-depend 3_21434962	7.24	promoter
AT5G22920	na	CHY-type/CTC 5_7667533	7.24	intergenic
AT5G24430	na	Calcium-depend 5_8344020	7.24	proximal promoter
AT5G42000	na	ORMDL family 5_16799217	7.24	promoter
AT3G05740	RECQ HELICASE L1 (RECQ1)	RECQ helicase 3_1697854	7.24	promoter
AT5G64810	WRKY DNA-BINDING PROTEIN 51 (WRK	member of WR 5_25908050	7.24	promoter
AT5G43890	YUCCA5 (YUC5)	Encodes a YUC 5_17655989	7.24	intergenic
AT1G75660	5'-3' EXORIBONUCLEASE 3 (XRN3)	Encodes a prot 1_28407949	7.23	promoter
AT2G39570	ACT DOMAIN REPEATS 9 (ACR9)	Encodes a ACT 2_16507703	7.23	promoter
AT3G25110	FATA ACYL-ACP THIOESTERASE (FaTA	Encodes a FatA 3_9148490	7.23	promoter
AT3G04210	na	Disease resista 3_1108278	7.23	promoter
AT5G41130	na	Esterase/lipase 5_16464971	7.23	proximal promoter

AT5G51830	na	pfkB-like carbof	5_21071829	7.23	downstream
AT5G51840	na	unknown proteir	5_21071829	7.23	promoter
AT1G75650	na	pre-tRNA; tRNA	1_28407949	7.23	promoter
AT1G75640	na	Leucine-rich rec	1_28407949	7.23	proximal promoter
AT3G17020	na	Adenine nucleoi	3_5804344	7.23	promoter
AT3G17030	na	Nucleic acid-bin	3_5804344	7.23	downstream
AT1G72150	PATELLIN 1 (PATL1)	novel cell-plate-	1_27148445	7.23	promoter
AT3G29360	UDP-GLUCOSE DEHYDROGENASE 2 (L	Encodes one of	3_11269396	7.23	promoter
AT5G57490	VOLTAGE DEPENDENT ANION CHANNE	Encodes a voltz	5_23285980	7.23	promoter
AT3G52840	BETA-GALACTOSIDASE 2 (BGAL2)	beta-galactosid;	3_19581081	7.22	promoter
AT4G34990	MYB DOMAIN PROTEIN 32 (MYB32)	Member of the f	4_16663613	7.22	proximal promoter
AT3G42570	na	peroxidase fami	3_14690027	7.22	exon
AT3G42580	na	transposable elk	3_14690027	7.22	proximal promoter
AT5G58650	PLANT PEPTIDE CONTAINING SULFATE	Encodes PSY1,	5_23700481	7.21	promoter
AT2G47650	UDP-XYLOSE SYNTHASE 4 (UXS4)	encodes a prote	2_19540310	7.21	intron
AT1G63130	na	Transactinq siR	1_23412379	7.2	promoter
AT3G62470	na	Pentatricopeptic	3_23108676	7.2	promoter
AT5G49370	na	Pleckstrin homc	5_20020667	7.2	proximal promoter
AT4G35780	SERINE/THREONINE/TYROSINE KINASE	ACT-like proteir	4_16950685	7.2	promoter
AT2G25490	EIN3-BINDING F BOX PROTEIN 1 (EBF1	Encodes an F-b	2_10850604	7.19	promoter
AT1G53170	ETHYLENE RESPONSE FACTOR 8 (ERF)	encodes a mem	1_19820305	7.19	intergenic
AT1G69530	EXPANSIN A1 (EXPA1)	Member of Alph	1_26140851	7.19	proximal promoter
AT5G13190	GSH-INDUCED LITAF DOMAIN PROTEIN	Encodes a plasi	5_4203546	7.19	intergenic
AT4G29090	na	Ribonuclease H	4_14331487	7.19	proximal promoter
AT1G15370	na	SNARE-like sup	1_5286841	7.19	promoter
AT1G30475	na	BEST Arabidop;	1_10795279	7.19	intergenic
AT3G15520	na	Cyclophilin-like	3_5252843	7.19	promoter
AT3G15530	na	S-adenosyl-L-m	3_5252843	7.19	downstream
AT4G29030	na	Putative membr	4_14308514	7.19	intergenic
AT3G45780	PHOTOTROPIN 1 (PHOT1)	Blue-light photo	3_16819947	7.19	exon
AT2G39480	ATP-BINDING CASSETTE B6 (ABCB6)	P-glycoprotein	6_2_16485752	7.18	proximal promoter
AT3G26180	CYTOCHROME P450, FAMILY 71, SUBF	putative cytochr	3_9577752	7.18	intergenic
AT3G18950	na	Transducin/WD	3_6538399	7.18	three_prime_UTR
AT5G54700	na	Ankyrin repeat	f_5_22226556	7.18	proximal promoter
AT3G55110	ATP-BINDING CASSETTE G18 (ABCG18	ABC-2 type tran	3_20428560	7.17	proximal promoter
AT1G73830	BR ENHANCED EXPRESSION 3 (BEE3)	BR enhanced e;	1_27759780	7.17	promoter
AT5G64860	DISPROPORTIONATING ENZYME (DPE	Encodes a malt	5_25929318	7.17	promoter
AT5G43750	PHOTOSYNTHETIC NDH SUBCOMPLE	NAD(P)H dehy	5_17581801	7.17	proximal promoter
AT5G61810	ATP/PHOSPHATE CARRIER 1 (APC1)	Encodes a mito	5_24834001	7.16	promoter
AT1G12820	AUXIN SIGNALING F-BOX 3 (AFB3)	Auxin receptor	i_1_4371445	7.16	promoter
AT2G17840	EARLY-RESPONSIVE TO DEHYDRATIO	Identified as drc	2_7757913	7.16	promoter
AT2G18735	na	other RNA	2_8122970	7.16	exon
AT2G18740	na	Small nuclear ril	2_8122970	7.16	promoter
AT2G17830	na	F-box and asso	2_7757913	7.16	intergenic
AT1G25260	na	Ribosomal prote	1_8853826	7.16	downstream
AT4G08910	na	unknown proteir	4_5712228	7.16	promoter
AT5G24570	na	unknown proteir	5_8405209	7.16	intergenic
AT5G61820	na	FUNCTIONS IN	5_24834001	7.16	intergenic
AT5G02940	na	Protein of unkn	5_690071	7.16	promoter
AT5G05180	na	unknown proteir	5_1535995	7.16	promoter
AT1G14740	TITANIA 1 (TTA1)	Encodes a PHC	1_5077859	7.16	promoter
AT2G44910	HOMEBOX-LEUCINE ZIPPER PROTEIN	Encodes a hom	2_18521608	7.15	proximal promoter
AT5G37490	na	ARM repeat sup	5_14888196	7.15	exon
AT3G58120	(BZIP61)	Encodes a merr	3_21520340	7.14	intergenic
AT1G55360	na	Protein of Unkn	1_20670048	7.14	proximal promoter
AT2G45850	na	AT hook motif	D2_18873964	7.14	five_prime_UTR
AT2G32190	na	unknown proteir	2_13676278	7.14	intergenic
AT2G32200	na	unknown proteir	2_13676278	7.14	promoter
AT5G67190	DREB AND EAR MOTIF PROTEIN 2 (DE	encodes a mem	5_26808389	7.13	intergenic
AT3G24140	FAMA (FMA)	Encodes a basi	3_8719251	7.13	proximal promoter
AT3G11405	na	unknown proteir	3_3582899	7.13	intergenic
AT1G15970	na	DNA glycosylas	1_5489040	7.13	promoter
AT1G15980	PHOTOSYNTHETIC NDH SUBCOMPLE	encodes a nove	1_5489040	7.13	promoter
AT3G18485	IAA-LEUCINE RESISTANT 2 (ILR2)	Encodes a nove	3_6344437	7.12	proximal promoter
AT2G17120	LYSM DOMAIN GPI-ANCHORED PROTE	Induction of chit	2_7459093	7.12	five_prime_UTR
AT3G20360	na	TRAF-like family	3_7102414	7.12	proximal promoter
AT4G29780	na	unknown proteir	4_14579627	7.12	promoter
AT4G29790	na	unknown proteir	4_14579627	7.12	intergenic
AT5G03230	na	Protein of unkn	5_769369	7.12	promoter
AT4G18910	NOD26-LIKE INTRINSIC PROTEIN 1;2 (N	Encodes an aq	4_10365555	7.12	proximal promoter
AT1G30810	JUMONJI DOMAIN-CONTAINING PROTE	JMJ18 encodes	1_10942424	7.11	promoter
AT5G03140	na	Concanavalin A	5_740114	7.11	promoter
AT3G02125	na	unknown proteir	3_380012	7.11	intergenic
AT3G02130	RECEPTOR-LIKE PROTEIN KINASE 2 (R	Encodes a rece	3_380012	7.11	proximal promoter
AT5G55910	D6 PROTEIN KINASE (D6PK)	D6PK is a prote	5_22642258	7.1	five_prime_UTR
AT1G17455	ELF4-LIKE 4 (ELF4-L4)	ELF4-like 4 (EL	1_5997072	7.1	promoter
AT5G57070	na	hydroxyproline-	5_23098374	7.1	three_prime_UTR
AT5G57080	na	unknown proteir	5_23098374	7.1	proximal promoter
AT4G37680	HEPTAHELICAL PROTEIN 4 (HHP4)	heptahelical trar	4_17699259	7.09	proximal promoter
AT4G37670	N-ACETYL-L-GLUTAMATE SYNTHASE 2	N-acetyl-l-glutar	4_17699259	7.09	promoter
AT3G61670	na	Protein of unkn	3_22817871	7.09	proximal promoter
AT1G68490	na	unknown proteir	1_25690158	7.09	intergenic
AT5G40660	na	ATP12 protein-r	5_16285770	7.09	promoter
AT5G40670	na	PQ-loop repeat	5_16285770	7.09	five_prime_UTR
AT4G09570	CALCIUM-DEPENDENT PROTEIN KINASE	Encodes a merr	4_6049428	7.08	promoter
AT1G67790	na	unknown proteir	1_25417594	7.08	exon
AT1G67792	na	Potential natura	1_25417594	7.08	promoter
AT1G65295	na	unknown proteir	1_24253036	7.08	intergenic
AT1G29340	PLANT U-BOX 17 (PUB17)	Encodes a prote	1_10264026	7.08	promoter
AT5G13700	POLYAMINE OXIDASE 1 (PAO1)	Encodes a prote	5_4423818	7.08	proximal promoter
AT5G13710	STEROL METHYLTRANSFERASE 1 (SM	SMT1 controls	t_5_4423818	7.08	three_prime_UTR
AT4G04955	ALLANTOINASE (ALN)	Encodes an alla	4_2525460	7.07	promoter
AT3G05800	ATBS1(ACTIVATION-TAGGED BRI1 SUP	AtBS1(activatio	3_1729866	7.07	intergenic
AT5G18570	EMBRYO DEFECTIVE 269 (EMB269)	Encodes AtObq	5_6170493	7.07	intergenic

AT1G62870	na	unknown protei	1_23286936	7.07	promoter
AT1G15290	na	Tetratricopeptid	1_5265149	7.07	promoter
AT3G12835	na	unknown protei	3_4084077	7.07	proximal promoter
AT3G05810	na	FUNCTIONS IN	3_1729866	7.07	intergenic
AT3G22840	EARLY LIGHT-INDUCABLE PROTEIN (EL	Encodes an ear	3_8086292	7.06	proximal promoter
AT2G46662	na	unknown protei	2_19158245	7.06	promoter
AT3G44380	na	Late embryoger	3_16037002	7.06	promoter
AT3G24480	na	Leucine-rich ref	3_8902722	7.06	promoter
AT3G57040	RESPONSE REGULATOR 9 (ARR9)	response regul	3_21108849	7.06	proximal promoter
AT1G07140	(SIRANBP)	Encodes a puta	1_2196844	7.05	intergenic
AT1G07150	MITOGEN-ACTIVATED PROTEIN KINASE	member of MEK	1_2196844	7.05	proximal promoter
AT1G78895	na	Reticulon family	1_29660081	7.05	promoter
AT2G32760	na	unknown protei	2_13891709	7.05	promoter
AT2G18721	na	unknown protei	2_8117919	7.05	intergenic
AT1G66345	na	Pentatricopeptic	1_24740484	7.05	intergenic
AT2G12462	na	BEST Arabidop	2_5052961	7.05	proximal promoter
AT3G60318	na	This gene encod	3_22291550	7.05	promoter
AT3G60320	na	Protein of unkn	3_22291550	7.05	intergenic
AT5G24210	na	alpha/beta-Hydr	5_8220631	7.05	intergenic
AT5G20740	na	Plant invertase/	5_7026655	7.05	promoter
AT5G43310	na	COP1-interactir	5_17385620	7.05	promoter
AT2G23000	SERINE CARBOXYPEPTIDASE-LIKE 10 (	serine carboxyp	2_9790498	7.05	proximal promoter
AT2G22990	SINAPOYLGLUCOSE 1 (SNG1)	sinapoylglucose	2_9790498	7.05	intergenic
AT1G76500	SUPPRESSOR OF PHYB-4#3 (SOB3)	Encodes an AT	1_28701717	7.05	intergenic
AT1G78900	VACUOLAR ATP SYNTHASE SUBUNIT A	Encodes cataly	1_29660081	7.05	promoter
AT1G74950	(TIFY10B)	TIFY10B; CON1	1_28147830	7.04	intergenic
AT4G34610	BEL1-LIKE HOMEODOMAIN 6 (BLH6)	BEL1-like home	4_16534192	7.04	proximal promoter
AT1G74940	na	Protein of unkn	1_28147830	7.04	intergenic
AT3G52990	na	Pyruvate kinase	3_19647725	7.04	proximal promoter
AT4G34620	SMALL SUBUNIT RIBOSOMAL PROTEIN	Encodes riboso	4_16534192	7.04	intergenic
AT1G62380	ACC OXIDASE 2 (ACO2)	Encodes a prot	1_23082135	7.03	promoter
AT1G19870	IQ-DOMAIN 32 (iqd32)	IQ-domain 32 (i	i_1_6898761	7.03	promoter
AT4G38620	MYB DOMAIN PROTEIN 4 (MYB4)	Encodes a R2R	4_18053588	7.03	five_prime_UTR
AT1G66880	na	Protein kinase s	1_24952384	7.03	intron
AT1G66890	na	FUNCTIONS IN	1_24952384	7.03	intergenic
AT5G67360	(ARA12)	Encodes a subt	5_26876665	7.02	proximal promoter
AT3G08760	(ATSIK)	Encodes an osr	3_2660912	7.02	promoter
AT1G79370	CYTOCHROME P450, FAMILY 79, SUBF	member of CYP	1_29860644	7.02	intergenic
AT4G04850	K+ EFFLUX ANTIPORTER 3 (KEA3)	member of Puta	4_2452642	7.02	promoter
AT1G21835	na	Encodes a Plan	1_7664170	7.02	proximal promoter
AT2G26720	na	Cupredoxin sup	2_11382686	7.02	proximal promoter
AT5G67370	na	Protein of unkn	5_26876665	7.02	intergenic
AT1G77500	na	Protein of unkn	1_29121298	7.02	promoter
AT5G14210	na	Leucine-rich ref	5_4581745	7.02	promoter
AT2G26710	PHYB ACTIVATION TAGGED SUPPRESS	Encodes a merr	2_11382686	7.02	exon
AT1G79380	RING DOMAIN LIGASE 4 (RGL4)	Encodes a ubiq	1_29860644	7.02	five_prime_UTR
AT1G20850	XYLEM CYSTEINE PEPTIDASE 2 (XCP2)	xylem cysteine	1_1_7250810	7.02	proximal promoter
AT3G14010	CTC-INTERACTING DOMAIN 4 (CID4)	hydroxyproline-i	3_4641864	7.01	intergenic
AT5G02230	na	Haloacid dehalc	5_448794	7.01	intron
AT1G28050	na	B-box type zinc	1_9777983	7.01	promoter
AT1G28060	na	Pre-mRNA-splic	1_9777983	7.01	proximal promoter
AT1G52000	na	Mannose-bindin	1_19336085	7.01	five_prime_UTR
AT2G26975	na	Clr copper trans	2_11512889	7.01	five_prime_UTR
AT1G70550	na	Protein of Unkn	1_26596456	7.01	proximal promoter
AT4G14746	na	CONTAINS Inte	4_8465278	7.01	proximal promoter
AT3G14020	NUCLEAR FACTOR Y, SUBUNIT A6 (NF-	nuclear factor Y	3_4641864	7.01	promoter
AT1G31580	(ECS1)	Encodes cell wa	1_11311859	7	three_prime_UTR
AT2G34185	na	unknown protei	2_14436024	7	intron
AT2G34186	na	unknown protei	2_14436024	7	promoter
AT3G04470	na	Ankyrin repeat	f_3_1192548	7	five_prime_UTR
AT3G13690	na	Protein kinase	f_3_4490391	7	downstream
AT3G13700	na	RNA-binding (R	3_4490391	7	intergenic
AT3G13710	PRENYLATED RAB ACCEPTOR 1.F4 (PF	prenylated RAB	3_4490391	7	intergenic
AT5G19140	(AILP1)	AILP1; FUNCTI	5_6423153	6.99	promoter
AT3G25730	ETHYLENE RESPONSE DNA BINDING F	ethylene respor	3_9396407	6.99	promoter
AT3G63170	FATTY-ACID-BINDING PROTEIN 1 (FAP1	Encodes a plast	3_23334425	6.99	five_prime_UTR
AT4G20140	GASSHO1 (GSO1)	Encodes GASS	4_10883924	6.99	promoter
AT4G00630	K+ EFFLUX ANTIPORTER 2 (KEA2)	Encodes a K(+)	4_268217	6.99	promoter
AT3G25740	METHIONINE AMINOPEPTIDASE 1C (MA	Encodes a plasi	3_9396407	6.99	proximal promoter
AT1G76878	na	Potential natura	1_28868548	6.99	proximal promoter
AT1G76880	na	Duplicated hom	1_28868548	6.99	intergenic
AT2G45460	na	SMAD/FHA don	2_18741949	6.99	promoter
AT5G19150	na	pfkB-like carbo	5_6423153	6.99	downstream
AT2G28250	(NCRK)	NCRK; CONTA	2_12042367	6.98	proximal promoter
AT3G24840	na	Sec14p-like phc	3_9066395	6.98	promoter
AT4G24200	na	Transcription el	4_12561036	6.98	promoter
AT4G32620	na	Enhancer of pol	4_15731221	6.98	promoter
AT2G05540	na	Glycine-rich pro	2_2033053	6.98	promoter
AT2G45180	na	Bifunctional inhi	2_18626057	6.98	promoter
AT4G32480	na	Protein of unkn	4_15678023	6.98	downstream
AT2G20180	PHYTOCHROME INTERACTING FACTO	Encodes a nove	2_8706983	6.98	promoter
AT1G27730	SALT TOLERANCE ZINC FINGER (STZ)	Related to Cys2	1_9649321	6.98	promoter
AT5G52830	WRKY DNA-BINDING PROTEIN 27 (WRK	Encodes a WRK	5_21409043	6.98	proximal promoter
AT1G48280	na	hydroxyproline-i	1_17834881	6.97	promoter
AT2G46610	ARGININE/SERINE-RICH SPLICING FAC	Barta et al (201	2_19138917	6.96	promoter
AT4G23260	CYSTEINE-RICH RLK (RECEPTOR-LIKE	Encodes a cyst	4_12167132	6.96	downstream
AT4G23250	EMBRYO DEFECTIVE 1290 (emb1290)	EMBRYO DEFE	4_12167132	6.96	promoter
AT1G21670	na	LOCATED IN: c	1_7612790	6.96	downstream
AT1G21680	na	DPP6 N-termin	1_7612790	6.96	promoter
AT2G46620	na	P-loop containir	2_19138917	6.96	three_prime_UTR
AT3G49590	AUTOPHAGY-RELATED 13 (ATG13)	Autophagy-relat	3_18377319	6.95	promoter
AT4G00060	MATERNAL EFFECT EMBRYO ARREST	maternal effect	4_211166	6.95	promoter
AT4G30240	na	Syntaxin/t-SNAI	4_14810048	6.95	promoter
AT2G01755	na	unknown protei	2_332854	6.95	promoter

AT5G13950	na	unknown protei	5_4500762	6.95	promoter
AT2G01760	RESPONSE REGULATOR 14 (RR14)	member of Resj	2_332854	6.95	promoter
AT5G13960	SU(VAR)3-9 HOMOLOG 4 (SUVH4)	Encodes a histc	5_4500762	6.95	proximal promoter
AT1G09960	SUCROSE TRANSPORTER 4 (SUT4)	low affinity (10r	1_3247960	6.95	intergenic
AT3G50530	CDPK-RELATED KINASE (CRK)	CDPK-related k	3_18752186	6.94	proximal promoter
AT1G19410	na	FBD / Leucine F	1_6714510	6.94	exon
AT1G19400	na	Erythronate-4-p	1_6714510	6.94	promoter
AT4G23740	na	Leucine-rich ref	4_12366344	6.94	promoter
AT5G60270	na	Concanavalin A	5_24257597	6.94	promoter
AT2G33700	PROTEIN PHOSPHATASE 2C G GROUP	Encodes a puta	2_14253176	6.94	promoter
AT3G19100	na	Protein kinase s	3_6605518	6.93	five_prime_UTR
AT3G62600	(ATERDJ3B)	J domain protei	3_23153697	6.92	promoter
AT4G33650	DYNAMIN-RELATED PROTEIN 3A (DRP)	Encodes a prote	4_16167145	6.92	downstream
AT5G25220	KNOTTED1-LIKE HOMEBOX GENE 3 (l	A member of cle	5_8730960	6.92	intergenic
AT4G33660	na	unknown protei	4_16167145	6.92	downstream
AT5G59790	na	CONTAINS Inte	5_24092239	6.92	exon
AT5G59430	TELOMERIC REPEAT BINDING PROTEIN	Encodes a telor	5_23966335	6.92	proximal promoter
AT1G64080	MEMBRANE-ASSOCIATED KINASE REG	Encodes a merr	1_23787359	6.91	proximal promoter
AT4G19440	na	Tetratricopeptid	4_10604740	6.91	promoter
AT5G23530	CARBOXYESTERASE 18 (CXE18)	carboxyesteras	5_7933048	6.9	three_prime_UTR
AT2G22668	MICRORNA405A (MIR405A)	Encodes a micr	2_9631665	6.9	intergenic
AT5G23520	na	smr (Small Mut	5_7933048	6.9	proximal promoter
AT1G16920	RAB GTPASE HOMOLOG A1B (RABA1b)	small GTP-bind	1_5789298	6.9	promoter
AT1G58290	(HEMA1)	Encodes a prot	1_21626347	6.89	promoter
AT3G10650	(NUP1)	Encodes a nuclei	3_3331182	6.89	promoter
AT4G24510	ECERIFERUM 2 (CER2)	Involved in C28	4_12660737	6.89	promoter
AT4G11355	na	pre-tRNA; tRNA	4_6905667	6.89	promoter
AT4G24500	na	hydroxyproline-4	4_12660737	6.89	downstream
AT5G47500	PECTIN METHYLESTERASE 5 (PME5)	predicted to enc	5_19271530	6.89	exon
AT4G11360	RING-H2 FINGER A1B (RHA1B)	Encodes a puta	4_6905667	6.89	promoter
AT1G63670	TON1 RECRUITING MOTIF 12 (TRM12)	CONTAINS Inte	1_23613014	6.89	proximal promoter
AT1G64200	VACUOLAR H+-ATPASE SUBUNIT E ISO	vacuolar H+-AT	1_23830144	6.89	promoter
AT3G63440	CYTOKININ OXIDASE/DEHYDROGENAS	This gene used	3_23422858	6.88	proximal promoter
AT1G04270	CYTOSOLIC RIBOSOMAL PROTEIN S15	Encodes cytos	1_1143905	6.88	proximal promoter
AT5G15210	HOMEBOX PROTEIN 30 (HB30)	Encodes ZFHD:	5_4939123	6.88	promoter
AT1G71040	LOW PHOSPHATE ROOT2 (LPR2)	Encodes LPR2:	1_26801925	6.88	proximal promoter
AT3G63445	na	Potential natura	3_23422858	6.88	exon
AT1G04280	na	P-loop containir	1_1143905	6.88	intron
AT3G17770	na	Dihydroxyaceto	3_6086195	6.88	promoter
AT3G17780	na	FUNCTIONS IN	3_6086195	6.88	proximal promoter
AT2G02710	PAS/LOV PROTEIN B (PLPB)	Encodes a puta	2_761885	6.88	proximal promoter
AT5G67560	ADP-RIBOSYLATION FACTOR-LIKE A1D	A member of AF	5_26950029	6.87	promoter
AT1G55120	BETA-FRUCTOFURANOSIDASE 5 (FRUC	Encodes a prote	1_20566162	6.87	intron
AT1G31880	BREVIS RADIX (BRX)	Belongs to five-	1_11445304	6.87	promoter
AT1G70210	CYCLIN D1:1 (CYCD1:1)	Encodes a D-tyl	1_26439586	6.87	promoter
AT3G10050	L-O-METHYLTHREONINE RESISTANT 1	first enzyme in t	3_3098194	6.87	intergenic
AT1G73630	na	EF hand calciur	1_27685957	6.87	intergenic
AT4G33080	na	AGC (cAMP-de	4_15959685	6.87	promoter
AT1G70209	na	unknown protei	1_26439586	6.87	downstream
AT1G22885	na	unknown protei	1_8102648	6.87	intergenic
AT1G22890	na	unknown protei	1_8102648	6.87	promoter
AT1G22910	na	RNA-binding (R	1_8102648	6.87	proximal promoter
AT1G22882	na	Galactose-bind	1_8102648	6.87	intergenic
AT3G10040	na	sequence-speci	3_3098194	6.87	promoter
AT3G29577	na	transposable elk	3_11386935	6.87	proximal promoter
AT4G17720	na	RNA-binding (R	4_9865100	6.87	promoter
AT5G23640	na	unknown protei	5_7968300	6.87	exon
AT5G23630	PHOSPHATE DEFICIENCY RESPONSE ;	A member of th	5_7968300	6.87	promoter
AT4G17730	SYNTAXIN OF PLANTS 23 (SYP23)	member of SYP	4_9865100	6.87	promoter
AT5G03630	(ATMDAR2)	ATMDAR2; FUI	5_925605	6.86	proximal promoter
AT4G23990	CELLULOSE SYNTHASE LIKE G3 (CSLG	encodes a prote	4_12458168	6.86	exon
AT1G65930	CYTOSOLIC NADP+-DEPENDENT ISOCIT	Encodes a NAC	1_24538297	6.86	proximal promoter
AT2G31570	GLUTATHIONE PEROXIDASE 2 (GPX2)	glutathione per	2_13439938	6.86	promoter
AT1G44350	IAA-LEUCINE RESISTANT (ILR)-LIKE GE	encodes a prote	1_16837521	6.86	intron
AT5G66440	na	unknown protei	5_26531943	6.86	proximal promoter
AT1G29880	na	glycyl-tRNA syn	1_10462940	6.86	promoter
AT1G63420	na	CONTAINS Inte	1_23516881	6.86	exon
AT5G60460	na	Preprotein trans	5_24316176	6.86	intergenic
AT5G64850	na	FUNCTIONS IN	5_25922569	6.86	intron
AT4G21960	(PRXR1)	Encodes AT4q2	4_11646062	6.85	downstream
AT4G19020	CHROMOMETHYLASE 2 (CMT2)	chromomethyla:	4_10421469	6.85	intergenic
AT3G11590	na	unknown protei	3_3658063	6.85	proximal promoter
AT1G31660	na	CONTAINS Inte	1_11333818	6.85	promoter
AT4G21950	na	unknown protei	4_11646062	6.85	intergenic
AT4G19030	NOD26-LIKE MAJOR INTRINSIC PROTEI	an aquaporin w	4_10421469	6.85	downstream
AT1G71960	ATP-BINDING CASSETTE G25 (ABC G25)	Encodes a plasi	1_27086682	6.84	intron
AT2G27080	na	Late embryoqer	2_11566280	6.84	intron
AT2G27090	na	Protein of unknc	2_11566280	6.84	intergenic
AT1G77640	na	encodes a mem	1_29179724	6.84	downstream
AT4G34800	na	SAUR-like auxir	4_16596493	6.84	promoter
AT3G13320	CATION EXCHANGER 2 (CAX2)	low affinity calci	3_4319333	6.83	intergenic
AT1G48000	MYB DOMAIN PROTEIN 112 (MYB112)	Encodes a puta	1_17702707	6.83	intergenic
AT3G50340	na	unknown protei	3_18669898	6.83	intergenic
AT1G18210	na	Calcium-binding	1_6267797	6.83	intron
AT1G52290	PROLINE-RICH EXTENSIN-LIKE RECEPT	Encodes a merr	1_19470129	6.83	three_prime_UTR
AT3G13330	PROTEASOME ACTIVATING PROTEIN 2	Encodes a prote	3_4319333	6.83	intergenic
AT1G18220	PURINE PERMEASE 9 (PUP9)	Member of a far	1_6267797	6.83	intergenic
AT1G18200	RAB GTPASE HOMOLOG A6B (RABA6b)	RAB GTPase hr	1_6267797	6.83	proximal promoter
AT1G52280	RAB GTPASE HOMOLOG G3D (RABG3d)	RAB GTPase hr	1_19470129	6.83	proximal promoter
AT2G36570	na	Leucine-rich ref	2_15338543	6.82	intergenic
AT2G36571	na	unknown protei	2_15338543	6.82	promoter
AT2G36580	na	Pyruvate kinase	2_15338543	6.82	proximal promoter
AT1G61350	na	ARM repeat sur	1_22633846	6.82	promoter
AT5G26220	na	ChaC-like famil	5_9166060	6.82	proximal promoter

AT1G14750	SOLO DANCERS (SDS)	Encodes a meic 1_5082616	6.82	promoter
AT5G16910	CELLULOSE-SYNTHASE LIKE D2 (CSLD)	encodes a gene 5_5560175	6.81	proximal promoter
AT1G14440	HOMEODOMAIN PROTEIN 31 (HB31)	homeobox prote 1_4938338	6.81	intergenic
AT5G63490	na	CBS / octicosap 5_25423371	6.81	proximal promoter
AT5G63500	na	Protein of unkn 5_25423371	6.81	promoter
AT1G01500	na	Erythronate-4-p 1_184988	6.81	promoter
AT4G18250	na	receptor serine/ 4_10090781	6.81	intron
AT5G15560	na	Leucine-rich ref 5_20946534	6.81	intron
AT4G24230	ACYL-COA-BINDING DOMAIN 3 (ACBP3)	acyl-CoA-bindin 4_12568937	6.8	promoter
AT5G40480	EMBRYO DEFECTIVE 3012 (EMB3012)	embryo defectiv 5_16213089	6.8	promoter
AT3G02050	K+ UPTAKE TRANSPORTER 3 (KUP3)	potassium trans 3_350280	6.8	promoter
AT5G01240	LIKE AUXIN RESISTANT 1 (LAX1)	Encodes LAX1 5_100271	6.8	exon
AT4G04750	na	Major facilitator 4_2417214	6.8	proximal promoter
AT4G24231	na	This gene encod 4_12568937	6.8	exon
AT3G02040	SENESCENCE-RELATED GENE 3 (SRG)	Encodes a merr 3_350280	6.8	promoter
AT4G24210	SLEEPY1 (SLY1)	F-box protein th 4_12568937	6.8	intergenic
AT1G22360	UDP-GLUCOSYL TRANSFERASE 85A2	(UDP-glucosyl tr 1_7897743	6.8	promoter
AT1G22370	UDP-GLUCOSYL TRANSFERASE 85A5	(UDP-glucosyl tr 1_7897743	6.8	intergenic
AT4G24220	VEIN PATTERNING 1 (VEP1)	encodes a prog 4_12568937	6.8	intergenic
AT1G18710	MYB DOMAIN PROTEIN 47 (MYB47)	Member of the f 1_6443767	6.79	intergenic
AT3G14360	na	alpha/beta-Hydr 3_4790551	6.79	proximal promoter
AT1G18700	na	DNAJ heat shok 1_6443767	6.79	intron
AT1G56540	na	Disease resistat 1_21181538	6.78	promoter
AT3G30778	na	This gene encod 3_12457264	6.78	intergenic
AT4G04210	PLANT UBX DOMAIN CONTAINING PRO	Arabidopsis tha 4_2030250	6.78	promoter
AT5G60200	TARGET OF MONOPTEROS 6 (TMO6)	Encodes a Dof- 5_24240144	6.78	proximal promoter
AT4G30280	XYLOGLUCAN ENDOTRANSGLUCOSYL	Encodes a xylo 4_14828105	6.78	proximal promoter
AT5G08790	(ATAF2)	induced by wou 5_2860407	6.77	promoter
AT4G25692	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 4_13091964	6.77	promoter
AT3G13510	na	Protein of Unkn 3_4402847	6.77	proximal promoter
AT5G08780	na	winged-helix DN 5_2860407	6.77	intergenic
AT4G25690	na	unknown proteir 4_13091964	6.77	promoter
AT1G09520	na	LOCATED IN: c 1_3072596	6.77	proximal promoter
AT1G30340	na	transposable elk 1_10695765	6.77	proximal promoter
AT3G16850	na	Pectin lyase-like 3_5747484	6.77	proximal promoter
AT2G03120	SIGNAL PEPTIDE PEPTIDASE (SPP)	homologous to : 2_937318	6.76	promoter
AT3G07650	CONSTANS-LIKE 9 (COL9)	This gene belon 3_2441393	6.75	promoter
AT5G16050	GENERAL REGULATORY FACTOR 5 (GI	Encodes GF14 5_5245842	6.75	promoter
AT2G46370	JASMONATE RESISTANT 1 (JAR1)	Encodes a jasm 2_19031889	6.75	proximal promoter
AT5G07860	na	HXXXD-type ac 5_2513511	6.75	intergenic
AT5G07870	na	HXXXD-type ac 5_2513511	6.75	promoter
AT4G15240	na	Protein of unkn 4_8705554	6.75	promoter
AT5G64343	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 5_25730568	6.74	three_prime_UTR
AT5G64342	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 5_25730568	6.74	three_prime_UTR
AT5G64341	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 5_25730568	6.74	three_prime_UTR
AT1G32540	LSD ONE LIKE 1 (LOL1)	Encodes a prote 1_11767608	6.74	five_prime_UTR
AT1G01100	na	60S acidic ribos 1_51388	6.74	promoter
AT2G12461	na	unknown proteir 2_5050797	6.74	proximal promoter
AT2G12462	na	BEST Arabidop: 2_5050797	6.74	exon
AT5G64330	NON-PHOTOTROPIC HYPOCOTYL 3 (NF	Involved in blue 5_25730568	6.74	downstream
AT1G30500	NUCLEAR FACTOR Y, SUBUNIT A7 (NF-	nuclear factor Y 1_10806510	6.74	promoter
AT3G47640	POPEYE (PYE)	Encodes POPE 3_17567110	6.74	promoter
AT1G01090	PYRUVATE DEHYDROGENASE E1 ALP	pyruvate dehydi 1_51388	6.74	proximal promoter
AT5G64340	SUPPRESSOR OF ACAULIS 51 (SAC51)	Encodes a bHLI 5_25730568	6.74	three_prime_UTR
AT5G55700	BETA-AMYLASE 4 (BAM4)	In vitro assay in 5_22551028	6.73	proximal promoter
AT5G62500	END BINDING PROTEIN 1B (EB1B)	encodes a hom 5_25091947	6.73	proximal promoter
AT1G21050	na	Protein of unkn 1_7366184	6.73	proximal promoter
AT5G64735	na	pre-tRNA; tRNA 5_25876609	6.73	proximal promoter
AT2G38465	na	unknown proteir 2_16108143	6.73	proximal promoter
AT2G38480	na	Uncharacterise 2_16108143	6.73	intergenic
AT1G30320	na	Remorin family | 1_10685007	6.73	intergenic
AT3G52400	SYNTAXIN OF PLANTS 122 (SYP122)	syntaxin protein 3_19427437	6.73	promoter
AT2G38470	WRKY DNA-BINDING PROTEIN 33 (WRK	Member of the r 2_16108143	6.73	promoter
AT4G11280	1-AMINOCYCLOPROPANE-1-CARBOXYL	encodes a me 4_6862464	6.72	proximal promoter
AT1G07180	ALTERNATIVE NAD(P)H DEHYDROGEN	Internal NAD(P) 1_2204002	6.72	promoter
AT2G47760	ASPARAGINE-LINKED GLYCOSYLATION	asparagine-link 2_19568394	6.72	promoter
AT3G01370	CRM FAMILY MEMBER 2 (CFM2)	Encodes a prote 3_143615	6.72	three_prime_UTR
AT3G51080	GATA TRANSCRIPTION FACTOR 6 (GAT	Encodes a merr 3_18974454	6.72	exon
AT1G14520	MYO-INOSITOL OXYGENASE 1 (MIOX1)	Encodes MIOX 1_4970463	6.72	promoter
AT4G17440	na	Protein of unkn 4_9731671	6.72	intergenic
AT3G56060	na	Glucose-methar 3_20806523	6.72	proximal promoter
AT4G36925	na	unknown proteir 4_17405145	6.72	intergenic
AT3G56070	ROTAMASE CYCLOPHILIN 2 (ROC2)	rotamase cyclor 3_20806523	6.72	downstream
AT1G14530	TOM THREE HOMOLOG 1 (THH1)	TOM THREE H 1_4970463	6.72	intergenic
AT2G47770	TSPO(OUTER MEMBRANE TRYPTOPHA	Encodes a merr 2_19568394	6.72	promoter
AT1G65620	ASYMMETRIC LEAVES 2 (AS2)	required for for 1_24397083	6.71	proximal promoter
AT3G54810	BLUE MICROPYLAR END 3 (BME3)	Encodes a prote 3_20296179	6.71	promoter
AT5G10170	MYO-INOSITOL-1-PHOSPHATE SYNTHA	myo-inositol-1-p 5_3191107	6.71	proximal promoter
AT3G15820	REDUCED OLEATE DESATURATION 1 (	Functions as ph 3_5351817	6.71	intron
AT5G61380	TIMING OF CAB EXPRESSION 1 (TOC1)	Pseudo respons 5_24674951	6.71	promoter
AT5G66730	INDETERMINATE DOMAIN 1 (IDD1)	C2H2-like zinc f 5_26641593	6.7	downstream
AT2G47440	na	Tetratricopeptid 2_19468136	6.7	proximal promoter
AT3G49810	na	ARM repeat sur 3_18478545	6.7	proximal promoter
AT4G30060	na	Core-2/l-branch 4_14691804	6.7	intron
AT5G66720	na	Protein phosph 5_26641593	6.7	proximal promoter
AT1G01030	NGATHA3 (NGA3)	NGATHA3 (NG. 1_16732	6.7	intergenic
AT1G19950	HVA22-LIKE PROTEIN H (ATHVA22H) (H	HVA22-like prot 1_6923998	6.69	promoter
AT2G46685	MICRORNA166A (MIR166A)	Encodes a micr 2_19175873	6.69	promoter
AT1G20030	na	Pathogenesis-rr 1_6946445	6.69	exon
AT1G70740	na	Protein kinase s 1_26678618	6.69	proximal promoter
AT3G05470	na	Actin-binding Ff 3_1583142	6.69	proximal promoter
AT3G16560	na	Protein phosph 3_5637974	6.69	intron
AT3G16380	POLY(A) BINDING PROTEIN 6 (PAB6)	polyadenylate-b 3_5561265	6.69	promoter
AT2G01340	(At17.1)	Encodes a prote 2_163905	6.68	promoter

AT3G61150	HOMEODOMAIN GLABROUS 1 (HDG1)	Encodes a hom	3_22630521	6.68	promoter
AT5G25240	na	unknown protei	5_8747337	6.68	promoter
AT4G01330	na	Protein kinase s	4_553212	6.68	downstream
AT4G01335	na	FUNCTIONS IN	4_553212	6.68	promoter
AT1G78140	na	S-adenosyl-L-m	1_29403984	6.68	promoter
AT1G78150	na	unknown protei	1_29403984	6.68	proximal promoter
AT1G23860	RS-CONTAINING ZINC FINGER PROTEIN	Encodes a 9G8	1_8430130	6.68	proximal promoter
AT5G38420	RUBISCO SMALL SUBUNIT 2B (RBCS2B)	Encodes a merr	5_15382168	6.68	promoter
AT1G20980	SQUAMOSA PROMOTER BINDING PROTEIN	Encodes a nucl	1_7322926	6.68	proximal promoter
AT1G23870	TREHALOSE-PHOSPHATASE/SYNTHASE	Encodes an enz	1_8430130	6.68	proximal promoter
AT5G26210	ALFIN-LIKE 4 (AL4)	Encodes a merr	5_9160339	6.67	five_prime_UTR
AT5G10240	ASPARAGINE SYNTHETASE 3 (ASN3)	Encodes aspar	5_3216642	6.67	promoter
AT2G41010	CALMODULIN (CAM)-BINDING PROTEIN	Encodes a nove	2_17115235	6.67	promoter
AT4G18700	CBL-INTERACTING PROTEIN KINASE 12	Encodes CBL-ir	4_10291849	6.67	proximal promoter
AT3G29030	EXPANSIN A5 (EXPA5)	Encodes an exp	3_11012079	6.67	intron
AT3G18170	na	Glycosyltransfe	3_6228535	6.67	exon
AT1G05870	na	Protein of unkn	1_1773856	6.67	proximal promoter
AT2G41000	na	Chaperone Dna	2_17115235	6.67	intergenic
AT2G01570	REPRESSOR OF GA1-3 1 (RGA1)	Member of the	1_2_261952	6.67	intergenic
AT4G24740	FUS3-COMPLEMENTING GENE 2 (FC2)	a LAMMER-tyr	4_12757903	6.66	promoter
AT2G28340	GATA TRANSCRIPTION FACTOR 13 (GATA13)	Encodes a merr	2_12107383	6.66	intergenic
AT5G06700	na	Encodes a merr	5_2066363	6.66	intergenic
AT5G62710	na	Leucine-rich re	5_25187028	6.66	promoter
AT1G29465	na	unknown protei	1_10308382	6.66	promoter
AT3G05500	na	Rubber elongati	3_1590668	6.66	proximal promoter
AT3G05510	na	Phospholipid/g	3_1590668	6.66	intergenic
AT1G30110	NUDIX HYDROLASE HOMOLOG 25 (NUDIX25)	nudix hydrolase	1_10581390	6.66	promoter
AT3G47290	PHOSPHATIDYLINOSITOL-SPECIFIC PHOSPHATIDYLTRANSFERASE 1 (PIP2-5-PTase)	phosphatidyli	3_17420340	6.66	promoter
AT3G05490	RALF-LIKE 22 (RALFL22)	Member of a div	3_1590668	6.66	proximal promoter
AT5G62700	TUBULIN BETA CHAIN 3 (TUB3)	encodes tubulin	5_25187028	6.66	intergenic
AT5G25460	DUF642 L-GALL RESPONSIVE GENE 2	Protein of unkn	5_8861365	6.65	proximal promoter
AT5G57010	na	calmodulin-bind	5_23067631	6.65	promoter
AT5G65700	BARELY ANY MERISTEM 1 (BAM1)	Encodes a CLA	5_26280319	6.64	proximal promoter
AT1G75750	GAST1 PROTEIN HOMOLOG 1 (GASA1)	GA-responsive	1_28439833	6.64	intergenic
AT2G38540	LIPID TRANSFER PROTEIN 1 (LP1)	Non-specific lipi	2_16130283	6.64	promoter
AT2G22805	na	Encodes a defe	2_9710595	6.64	proximal promoter
AT2G30760	na	unknown protei	2_13106919	6.64	intron
AT2G30766	na	unknown protei	2_13106919	6.64	proximal promoter
AT3G55140	na	Pectin lyase-li	3_20438656	6.64	promoter
AT5G19970	na	unknown protei	5_6748733	6.64	downstream
AT1G75730	na	unknown protei	1_28439833	6.64	promoter
AT1G75740	na	pre-tRNA; tRNA	1_28439833	6.64	proximal promoter
AT4G29905	na	unknown protei	4_14626308	6.64	intergenic
AT5G45960	na	GDSL-like Lipas	5_18638953	6.64	exon
AT2G30260	U2 SMALL NUCLEAR RIBONUCLEOPROTEIN	encodes U2B",	2_12905389	6.64	downstream
AT2G30250	WRKY DNA-BINDING PROTEIN 25 (WRKY25)	member of WRK	2_12905389	6.64	promoter
AT2G35700	ERF FAMILY PROTEIN 38 (ERF38)	encodes a mem	2_15006536	6.63	intergenic
AT3G17390	METHIONINE OVER-ACCUMULATOR 3 (MOA3)	S-adenosylmeth	3_5954492	6.63	promoter
AT1G35430	na	unknown protei	1_13030019	6.63	intergenic
AT3G17410	na	Protein kinase s	3_5954492	6.63	proximal promoter
AT5G54855	na	Pollen Ole e 1	a 5_22284490	6.63	downstream
AT5G55620	na	unknown protei	5_22529886	6.63	promoter
AT5G54860	na	Major facilitator	5_22284490	6.63	promoter
AT5G64550	na	loricrin-related;	5_25805120	6.63	promoter
AT1G13260	RELATED TO ABI3/VP1 1 (RAV1)	Encodes an AP:	1_4538785	6.63	intergenic
AT2G30490	CINNAMATE-4-HYDROXYLASE (C4H)	Encodes a cinn:	2_12995843	6.62	promoter
AT3G62610	MYB DOMAIN PROTEIN 11 (MYB11)	Member of the f	3_23155533	6.62	intron
AT5G16120	na	alpha/beta-Hydr	5_5265475	6.62	promoter
AT4G18890	BES1/BZR1 HOMOLOG 3 (BEH3)	BES1/BZR1 hor	4_10355774	6.61	downstream
AT5G56870	BETA-GALACTOSIDASE 4 (BGAL4)	beta-galactosid	5_23003362	6.61	proximal promoter
AT5G22910	CATION/H+ EXCHANGER 9 (CHX9)	member of Puta	5_7664378	6.61	proximal promoter
AT5G21482	CYTOKININ OXIDASE 7 (CKX7)	This gene used	5_7229142	6.61	intron
AT4G18550	DAD1-LIKE SEEDING ESTABLISHMENT-RELATED PROTEIN 1 (DAD1-1)	DSEL is cytosol	4_10229288	6.61	proximal promoter
AT4G09000	GENERAL REGULATORY FACTOR 1 (GRF1)	Encodes a 14-3	4_5775117	6.61	promoter
AT1G17500	na	ATPase E1-E2:	1_6017229	6.61	proximal promoter
AT3G63240	na	DNase I-like su	3_23367541	6.61	five_prime_UTR
AT4G03100	na	Rho GTPase ac	4_1374054	6.61	promoter
AT4G18900	na	Transducin/WD	4_10355774	6.61	proximal promoter
AT5G07780	na	Actin-binding F	5_2483048	6.61	downstream
AT5G07790	na	unknown protei	5_2483048	6.61	promoter
AT2G03440	NODULIN-RELATED PROTEIN 1 (NRP1)	Induced at the t	2_1040585	6.61	promoter
AT5G39860	PACLOBUTRAZOL RESISTANCE1 (PRE1)	Encodes PRE1	5_15954607	6.61	proximal promoter
AT4G15800	RALF-LIKE 33 (RALFL33)	Member of a div	4_8986033	6.61	intergenic
AT1G28340	RECEPTOR LIKE PROTEIN 4 (RLP4)	receptor like pr	1_9938922	6.61	proximal promoter
AT3G05870	ANAPHASE-PROMOTING COMPLEX/CYTOCHROME C	Subunit of the	a 3_1755496	6.6	intron
AT4G16780	HOMEODOMAIN PROTEIN 2 (HD2)	Encodes a hom	4_9450007	6.6	intron
AT1G29660	na	GDSL-like Lipas	1_10365171	6.6	intergenic
AT1G19373	na	snoRNA; snoR	1_6697979	6.6	intergenic
AT1G19380	na	Protein of unkn	1_6697979	6.6	promoter
AT3G05880	RARE-COLD-INDUCIBLE 2A (RCI2A)	Induced by low	3_1755496	6.6	intron
AT1G76080	CHLOROPLASTIC DROUGHT-INDUCED PROTEIN 1 (CDIP1)	Encodes a thior	1_28547791	6.59	three_prime_UTR
AT1G44790	na	ChaC-like famil	1_16913654	6.59	five_prime_UTR
AT5G65015	na	pre-tRNA; tRNA	5_25972830	6.59	downstream
AT1G76070	na	unknown protei	1_28547791	6.59	downstream
AT4G33666	na	unknown protei	4_16168912	6.59	promoter
AT5G35805	na	transposable el	5_13988709	6.59	intergenic
AT5G57790	na	unknown protei	5_23411641	6.58	intergenic
AT5G23460	na	unknown protei	5_7913417	6.58	three_prime_UTR
AT5G23470	na	Haloacid dehal	5_7913417	6.58	promoter
AT4G16880	na	Leucine-rich re	4_9496377	6.58	three_prime_UTR
AT5G22390	na	Protein of unkn	5_7419083	6.58	five_prime_UTR
AT1G19835	na	Plant protein of	1_6863115	6.58	proximal promoter
AT1G69900	na	Actin cross-link	1_26328029	6.58	promoter
AT2G30990	na	Protein of unkn	2_13190629	6.58	promoter

AT5G57010	na	calmodulin-bind 5_23066893	6.58	proximal promoter
AT5G02480	na	HSP20-like chai 5_547510	6.58	promoter
AT3G14440	NINE-CIS-EPOXYCAROTENOID DIOXYG	Encodes 9-<i>< 3_4841151	6.58	intergenic
AT3G26690	NUDIX HYDROLASE HOMOLOG 13 (NUH1)	Encodes AtNUH1_3_9807592	6.58	proximal promoter
AT1G12710	PHLOEM PROTEIN 2-A12 (PP2-A12)	This gene is pre 1_4329441	6.58	proximal promoter
AT4G16860	RECOGNITION OF PERONOSPORA PAF	Confers resistar 4_9496377	6.58	proximal promoter
AT3G12690	AGC KINASE 1.5 (AGC1.5)	Encodes a puta 3_4034460	6.57	proximal promoter
AT3G62420	BASIC REGION/LEUCINE ZIPPER MOTIF	Encodes a grou 3_23093039	6.57	promoter
AT5G62390	BCL-2-ASSOCIATED ATHANOGENE 7 (E A member of Ar 5_25054277		6.57	five_prime_UTR
AT3G62422	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 3_23093039	6.57	promoter
AT3G62410	CP12 DOMAIN-CONTAINING PROTEIN 2 CP12-2	encode 3_23093039	6.57	intergenic
AT1G76490	HYDROXY METHYLGLUTARYL COA REI	Encodes a 3-hy 1_28698213	6.57	three_prime_UTR
AT5G62400	na	unknown proteir 5_25054277	6.57	intergenic
AT1G27210	na	ARM repeat sur 1_9455074	6.57	intergenic
AT3G62400	na	unknown proteir 3_23093039	6.57	intergenic
AT4G29310	na	Protein of unknt 4_14440479	6.57	proximal promoter
AT4G38520	na	Protein phosphz 4_18018441	6.57	promoter
AT3G22380	TIME FOR COFFEE (TIC)	Encodes a nucl 3_7912589	6.57	promoter
AT1G75360	na	unknown proteir 1_28274265	6.56	promoter
AT4G25280	na	P-loop containir 4_12941084	6.55	promoter
AT4G25290	na	DNA photolyase 4_12941084	6.55	downstream
AT2G44940	na	encodes a mem 2_18537029	6.55	promoter
AT5G37270	na	RING/U-box suj 5_14755702	6.55	intergenic
AT5G21170	(AKINBETA1)	Encodes AKINb 5_7205565	6.54	five_prime_UTR
AT1G01120	3-KETOACYL-COA SYNTHASE 1 (KCS1)	Encodes a conc 1_57143	6.54	downstream
AT2G40475	ALTERED SEED GERMINATION 8 (ASG8)	unknown proteir 2_16906811	6.54	downstream
AT2G33470	GLYCOLIPID TRANSFER PROTEIN 1 (GL1)	glycolipid transf 2_14179776	6.54	proximal promoter
AT2G18350	HOMEOBOX PROTEIN 24 (HB24)	homeobox prote 2_7972386	6.54	promoter
AT1G02590	na	Aldehyde oxidaz 1_552832	6.54	promoter
AT1G02600	na	pre-tRNA; tRNA 1_552832	6.54	downstream
AT2G25250	na	unknown proteir 2_10753853	6.54	five_prime_UTR
AT2G25255	na	Encodes a defe 2_10753853	6.54	intergenic
AT1G01115	na	unknown proteir 1_57143	6.54	intergenic
AT1G02610	na	RING/FYVE/PH 1_552832	6.54	downstream
AT4G22730	na	Leucine-rich ref 4_11941026	6.54	promoter
AT5G09760	na	Plant invertase/ 5_3032198	6.54	promoter
AT2G33480	NAC DOMAIN CONTAINING PROTEIN 41 (NAC41)	NAC domain co 2_14179776	6.54	proximal promoter
AT4G16370	OLIGOPEPTIDE TRANSPORTER (OPT3)	Encodes an oliq 4_9250496	6.54	promoter
AT4G18197	PURINE PERMEASE 7 (PUP7)	Member of a far 4_10071573	6.54	promoter
AT5G08130	(BIM1)	Arabidopsis thal 5_2611653	6.53	proximal promoter
AT5G11950	LONELY GUY 8 (LOG8)	Encodes a prote 5_3857198	6.53	downstream
AT3G17800	na	mRNA level of t 3_6093679	6.53	proximal promoter
AT4G21910	na	MATE efflux fan 4_11633015	6.53	proximal promoter
AT3G17790	PURPLE ACID PHOSPHATASE 17 (PAP1)	Expression is u 3_6093679	6.53	intergenic
AT3G17810	PYRIMIDINE 1 (PYD1)	Encodes a prote 3_6093679	6.53	promoter
AT1G05810	RAB GTPASE HOMOLOG A5E (RABASE1)	RAB GTPase hr 1_1748321	6.53	exon
AT3G17840	RECEPTOR-LIKE KINASE 902 (RLK902)	Encodes a rece 3_6105347	6.53	proximal promoter
AT2G01470	SEC12P-LIKE 2 PROTEIN (STL2P)	Sec12p-like pro 2_214631	6.53	promoter
AT5G45340	CYTOCHROME P450, FAMILY 707, SUBF	Encodes a prote 5_18371022	6.52	promoter
AT4G00310	EMBRYO SAC DEVELOPMENT ARREST	EMBRYO SAC 4_133065	6.52	proximal promoter
AT4G01220	MALE GAMETOPHYTE DEFECTIVE 4 (MD4)	Encodes MGP4 4_513087	6.52	downstream
AT1G10590	na	Nucleic acid-bin 1_3503517	6.52	promoter
AT5G48385	na	FRIGIDA-like pr 5_19608440	6.52	promoter
AT4G17100	na	EXPRESSED IN 4_9612656	6.52	intron
AT1G22190	na	The gene encoc 1_7834272	6.52	proximal promoter
AT4G01210	na	glycosyl transfe 4_513087	6.52	promoter
AT4G18810	na	NAD(P)-binding 4_10321691	6.52	intergenic
AT5G64410	OLIGOPEPTIDE TRANSPORTER 4 (OPT4)	oligopeptide trai 5_25753249	6.52	intron
AT3G16500	PHYTOCHROME-ASSOCIATED PROTEIN 1 (PHYA1)	phytochrome-as 3_5611377	6.52	intergenic
AT4G18800	RAB GTPASE HOMOLOG A1D (RABA1D)	Encodes RabA1 4_10321691	6.52	promoter
AT1G68560	ALPHA-XYLOSIDASE 1 (XYL1)	Encodes a bifur 1_25732394	6.51	intergenic
AT1G07220	na	FUNCTIONS IN 1_2219027	6.51	intron
AT4G32272	na	Nucleotide/suqz 4_15579922	6.51	promoter
AT5G07360	na	Amidase family 5_2326593	6.51	downstream
AT1G27210	na	ARM repeat sur 1_9456661	6.51	exon
AT2G03565	na	unknown proteir 2_1083247	6.51	intergenic
AT3G14440	NINE-CIS-EPOXYCAROTENOID DIOXYG	Encodes 9-<i>< 3_4833682	6.51	promoter
AT2G01150	RING-H2 FINGER PROTEIN 2B (RHA2B)	Encodes a RINK 2_100513	6.51	promoter
AT5G07350	TUDOR-SN PROTEIN 1 (TUDOR1)	RNA binding prr 5_2326593	6.51	proximal promoter
AT4G14890	FERREDOXIN C 1 (FdC1)	2Fe-2S ferredox 4_8520446	6.5	promoter
AT5G59220	HIGHLY ABA-INDUCED PP2C GENE 1 (H1)	highly ABA-indu 5_23895897	6.5	exon
AT3G13000	na	Protein of unknt 3_4161313	6.5	intron
AT4G03292	na	Polynucleotidyl 4_1444537	6.5	downstream
AT5G45350	na	proline-rich fami 5_18378843	6.5	intergenic
AT4G14880	O-ACETYL SERINE (THIOL) LYASE (OAS)	Encodes a cyto: 4_8520446	6.5	five_prime_UTR
AT3G63130	RAN GTPASE ACTIVATING PROTEIN 1 (RAV1)	Encodes a RAN 3_23324506	6.5	promoter
AT1G18640	3-PHOSPHOSERINE PHOSPHATASE (PP2C)	Encodes a 3-ph 1_6419047	6.49	promoter
AT2G42790	CITRATE SYNTHASE 3 (CSY3)	Encodes a pero 2_17806227	6.49	promoter
AT4G04970	GLUCAN SYNTHASE-LIKE 1 (GSL1)	encodes a gene 4_2536735	6.49	promoter
AT3G17040	HIGH CHLOROPHYLL FLUORESCENT 1 (H1)	It is a RNA tetra 3_5812823	6.49	promoter
AT4G40060	HOMEOBOX PROTEIN 16 (HB16)	Encodes a hom 4_18573088	6.49	promoter
AT3G17050	na	transposable eli 3_5812823	6.49	proximal promoter
AT4G34975	na	pre-tRNA; tRNA 4_16656964	6.49	intergenic
AT1G27500	na	Tetratricopeptid 1_9554281	6.49	promoter
AT3G17580	na	unknown proteir 3_6016804	6.49	intergenic
AT4G40070	na	RING/U-box suj 4_18573088	6.49	intergenic
AT5G57040	na	Lactoylglutathio 5_23086240	6.49	proximal promoter
AT1G12370	PHOTOLYASE 1 (PHR1)	encodes an ami 1_4211903	6.49	proximal promoter
AT1G18650	PLASMODESMATA CALLOSE-BINDING 1 (PC1)	Encodes a merr 1_6419047	6.49	exon
AT4G34980	SUBTILISIN-LIKE SERINE PROTEASE 2 (SL2)	Serine protease 4_16656964	6.49	exon
AT1G71880	SUCROSE-PROTON SYMPORTER 1 (SL1)	Sucrose transp 1_27048293	6.49	intergenic
AT3G44990	XYLOGLUCAN ENDO-TRANSGLYCOSYLASE 1 (XET1)	xyloglucan endc 3_16446325	6.49	intergenic
AT1G07510	FTSH PROTEASE 10 (ftsh10)	encodes an Fts1 1_2305257	6.48	promoter
AT5G41130	na	Esterase/lipase 5_16459262	6.48	intergenic

AT5G41120	na	Esterase/lipase	5_16459262	6.48	promoter
AT2G30362	na	Potential natura	2_12937315	6.48	promoter
AT3G52920	na	Family of unkno	3_19623705	6.48	proximal promoter
AT4G02200	na	Drought-respon	4_972488	6.48	promoter
AT5G51190	na	encodes a mem	5_20801625	6.48	promoter
AT2G30360	SOS3-INTERACTING PROTEIN 4 (SIP4)	Encodes a SOS	2_12937315	6.48	exon
AT4G02195	SYNTAXIN OF PLANTS 42 (SYP42)	Encodes a merr	4_972488	6.48	promoter
AT4G23570	(SGT1A)	Closely related	1_4_12299323	6.47	promoter
AT1G19780	CYCLIC NUCLEOTIDE GATED CHANNEL	member of Cycl	1_6832313	6.47	intergenic
AT5G10440	CYCLIN D4;2 (CYCD4;2)	Encodes a cycli	5_3284057	6.47	proximal promoter
AT3G49250	DEFECTIVE IN MERISTEM SILENCING 3	Similar to hinge	3_18261605	6.47	proximal promoter
AT5G10450	G-BOX REGULATING FACTOR 6 (GRF6)	Encodes a merr	5_3284057	6.47	three_prime_UTR
AT5G62480	GLUTATHIONE S-TRANSFERASE TAU 9	Encodes a glutat	5_25087032	6.47	intergenic
AT1G74430	MYB DOMAIN PROTEIN 95 (MYB95)	Encodes a puta	1_27974359	6.47	proximal promoter
AT2G41312	na	Unknown gene	2_17225403	6.47	promoter
AT2G34650	PINOID (PID)	Encodes a prot	2_14593775	6.47	proximal promoter
AT1G19770	PURINE PERMEASE 14 (PUP14)	Member of a far	1_6832313	6.47	promoter
AT1G49480	RELATED TO VERNALIZATION1 1 (RTV1)	Encodes a nucl	1_18316571	6.47	five_prime_UTR
AT2G41310	RESPONSE REGULATOR 3 (RR3)	Encodes an A-	1_2_17225403	6.47	intergenic
AT3G61690	na	nucleotidyltrans	3_22834973	6.46	intergenic
AT3G61700	na	Plant protein	15_3_22834973	6.46	promoter
AT1G17060	CYTOCHROME P450 72C1 (CYP72C1)	Encodes a prot	1_5835498	6.45	promoter
AT2G46310	CYTOKININ RESPONSE FACTOR 5 (CRF5)	CRF5 encodes	2_19011134	6.45	promoter
AT2G46308	na	unknown proteir	2_19011134	6.45	downstream
AT4G30410	na	sequence-speci	4_14872229	6.45	promoter
AT4G01100	ADENINE NUCLEOTIDE TRANSPORTER	adenine nucleot	4_475447	6.44	proximal promoter
AT3G17130	na	Plant invertase/	3_5845794	6.44	proximal promoter
AT2G22660	na	Protein of unknc	2_9627191	6.44	promoter
AT1G61900	na	unknown proteir	1_22881844	6.44	intergenic
AT2G23755	na	unknown proteir	2_10106526	6.44	proximal promoter
AT5G67200	na	Leucine-rich ref	5_26813731	6.44	three_prime_UTR
AT1G72440	EMBRYO SAC DEVELOPMENT ARREST	Encodes SLOW	1_27273845	6.43	promoter
AT1G28360	ERF DOMAIN PROTEIN 12 (ERF12)	encodes a mem	1_9952915	6.43	downstream
AT1G72450	JASMONATE-ZIM-DOMAIN PROTEIN 6 (JAZ6)	JAZ6 transcript	1_27273845	6.43	downstream
AT2G01450	MAP KINASE 17 (MPK17)	member of MAF	2_203139	6.43	promoter
AT2G31945	na	unknown proteir	2_13582673	6.43	intergenic
AT2G24230	na	Leucine-rich ref	2_10304995	6.43	promoter
AT1G08910	na	FUNCTIONS IN	1_2856031	6.43	promoter
AT2G36770	na	UDP-Glycosyltr	2_15416872	6.43	promoter
AT1G62301	na	unknown proteir	1_23022721	6.43	proximal promoter
AT3G06125	na	Unknown gene	3_1852145	6.43	intergenic
AT4G28260	na	unknown proteir	4_14007183	6.43	downstream
AT4G28270	RING MEMBRANE-ANCHOR 2 (RMA2)	Encodes a RINK	4_14007183	6.43	intergenic
AT4G13830	DNAJ-LIKE 20 (J20)	DnaJ-like protei	4_8011136	6.42	promoter
AT5G45580	na	Homeodomain-1	5_18484229	6.42	proximal promoter
AT5G56530	na	Protein of Unkn	5_22888586	6.42	proximal promoter
AT1G60000	na	RNA-binding (R	1_22096539	6.42	proximal promoter
AT1G60010	na	unknown proteir	1_22096539	6.42	five_prime_UTR
AT3G05900	na	neurofilament p	3_1764053	6.42	promoter
AT3G05905	na	Potential natura	3_1764053	6.42	exon
AT3G05910	na	Pectinacetylest	3_1764053	6.42	intergenic
AT4G30400	na	RING/U-box suj	4_14866928	6.42	promoter
AT5G13920	na	GRF zinc finger	5_4487791	6.42	promoter
AT5G13930	TRANSPARENT TESTA 4 (TT4)	Encodes chalcc	5_4487791	6.42	proximal promoter
AT5G66700	HOMEBOX 53 (HB53)	Encodes a hom	5_26635179	6.41	intron
AT3G27540	na	beta-1,4-N-acet	3_10205083	6.41	promoter
AT4G18920	na	Protein of unknc	4_10370499	6.41	intergenic
AT4G18930	na	RNA ligase/cycl	4_10370499	6.41	promoter
AT5G14110	na	Protein of unknc	5_4555036	6.41	proximal promoter
AT5G47560	TONOPLAST DICARBOXYLATE TRANSFERASE 2 (U2.7)	Encodes a tono	5_19289691	6.41	intron
AT5G61455	(U2.7)	U2.7; snRNA; g	5_24713421	6.4	exon
AT5G66200	ARMADILLO REPEAT ONLY 2 (ARO2)	Armadillo repea	5_26456381	6.4	proximal promoter
AT5G66210	CALCIUM-DEPENDENT PROTEIN KINASE 2 (CPK2)	member of Calc	5_26456381	6.4	three_prime_UTR
AT5G03190	CONSERVED PEPTIDE UPSTREAM OPERATOR 1 (CPO1)	conserved pept	5_758085	6.4	promoter
AT4G32290	na	Core-2/l-branch	4_15591661	6.4	promoter
AT5G61450	na	P-loop containir	5_24713421	6.4	promoter
AT1G78250	na	pre-tRNA; tRNA	1_29440961	6.4	intergenic
AT5G07620	na	Protein kinase s	5_2409640	6.4	proximal promoter
AT5G07625	na	pre-tRNA; tRNA	5_2409640	6.4	proximal promoter
AT5G07630	na	lipid transporter	5_2409640	6.4	proximal promoter
AT4G13020	(MHK)	Encodes a merr	4_7602850	6.39	promoter
AT1G56210	na	Heavy metal tra	1_21038947	6.39	intergenic
AT4G13010	na	Oxidoreductase	4_7602850	6.39	downstream
AT4G31600	na	UDP-N-acetylgl	4_15314589	6.39	intergenic
AT1G77450	NAC DOMAIN CONTAINING PROTEIN 32 (NAC32)	NAC domain co	1_29100955	6.39	exon
AT1G67370	ASYNAPTIC 1 (ASY1)	meiotic asynapt	1_25244073	6.38	promoter
AT1G75450	CYTOKININ OXIDASE 5 (CKX5)	This gene used	1_28319023	6.38	proximal promoter
AT3G50660	DWARF 4 (DWF4)	Encodes a 22&	3_18814565	6.38	intron
AT3G47470	LIGHT-HARVESTING CHLOROPHYLL-PROTEIN 1 (LHC1)	Encodes a chl	3_17495156	6.38	promoter
AT5G63630	na	P-loop containir	5_25477532	6.38	proximal promoter
AT5G63640	na	ENTH/VHS/GA'	5_25477532	6.38	promoter
AT3G03980	na	NAD(P)-binding	3_1034711	6.38	intergenic
AT3G03990	na	alpha/beta-Hydr	3_1034711	6.38	three_prime_UTR
AT3G04000	na	ChiADR is an al	3_1034711	6.38	proximal promoter
AT4G23490	na	Protein of unknc	4_12252448	6.38	intron
AT2G23520	na	Pyridoxal phosp	2_10017265	6.38	promoter
AT3G53260	PHENYLALANINE AMMONIA-LYASE 2 (PAL2)	Encodes phenyl	3_19747076	6.38	promoter
AT2G28930	PROTEIN KINASE 1B (PK1B)	protein kinase	1_2_12424319	6.38	intron
AT3G05880	RARE-COLD-INDUCIBLE 2A (RC12A)	Induced by low	3_1757473	6.38	proximal promoter
AT3G05890	RARE-COLD-INDUCIBLE 2B (RC12B)	RARE-COLD-IN	3_1757473	6.38	downstream
AT5G47220	ETHYLENE RESPONSIVE ELEMENT BINDING 1 (EREB1)	Encodes a merr	5_19173008	6.37	promoter
AT5G43150	na	unknown proteir	5_17323907	6.37	proximal promoter
AT5G47210	na	Hyaluronan / mf	5_19173008	6.37	proximal promoter
AT1G10150	na	Carbohydrate-b	1_3324589	6.37	proximal promoter

AT5G03760	(ATCSLA09)	encodes a beta-	5_987819	6.36	intron
AT5G16590	(LRR1)	Leucine-rich rep	5_5430271	6.36	proximal promoter
AT5G66680	DEFECTIVE GLYCOSYLATION (DGL1)	Encodes a prot	5_26617063	6.36	intergenic
AT2G27500	na	Glycosyl hydroli	2_11754863	6.36	proximal promoter
AT4G31510	na	unknown proteir	4_15277636	6.36	promoter
AT5G66675	na	Protein of unknc	5_26617063	6.36	promoter
AT4G36670	POLYOL/MONOSACCHARIDE TRANSPC	Major facilitator	4_17290183	6.36	proximal promoter
AT1G74160	TON1 RECRUITING MOTIF 4 (TRM4)	unknown proteir	1_27885548	6.36	proximal promoter
AT2G41225	na	unknown proteir	2_17189286	6.35	intergenic
AT1G21540	na	AMP-dependen	1_7551952	6.35	proximal promoter
AT2G44070	na	NagB/RpiA/CoA	2_18234505	6.34	proximal promoter
AT3G52110	na	unknown proteir	3_19325836	6.34	promoter
AT1G02110	na	Protein of unknc	1_395593	6.34	downstream
AT1G21810	na	Plant protein of	1_7660017	6.34	proximal promoter
AT1G21830	na	unknown proteir	1_7660017	6.34	intergenic
AT2G24600	na	Ankyrin repeat f	2_10454717	6.34	promoter
AT1G01320	na	Tetratricopeptid	1_130680	6.34	promoter
AT1G19835	na	Plant protein of	1_6864946	6.34	intergenic
AT5G08660	na	Protein of unknc	5_2813954	6.34	promoter
AT5G49410	na	unknown proteir	5_20032509	6.34	five_prime_UTR
AT3G25717	ROTUNDIFOLIA LIKE 16 (RTFL16)	ROTUNDIFOLIA	3_9375767	6.34	promoter
AT2G18700	TREHALOSE PHOSPHATASE/SYNTHAS	Encodes an enz	2_8107822	6.34	proximal promoter
AT1G02120	VASCULAR ASSOCIATED DEATH1 (VAD	Encodes VAD1	1_395593	6.34	promoter
AT1G67230	LITTLE NUCLE1 (LINC1)	Encodes a nucl	1_25156365	6.33	promoter
AT3G25715	na	pre-tRNA; tRNA	3_9373307	6.33	proximal promoter
AT3G25716	na	unknown proteir	3_9373307	6.33	exon
AT1G18470	na	Transmembran	1_6360272	6.33	promoter
AT5G18030	na	SAUR-like auxir	5_5968153	6.33	promoter
AT4G22920	NON-YELLOWING 1 (NYE1)	Similar to the to	4_12018574	6.33	promoter
AT2G40540	POTASSIUM TRANSPORTER 2 (KT2)	putative potassi	2_16930837	6.33	promoter
AT2G30980	SHAGGY-RELATED PROTEIN KINASE D	Encodes a GSK	2_13185904	6.33	five_prime_UTR
AT1G18480	SHEWENELLA-LIKE PROTEIN PHOSPH	Calcineurin-like	1_6360272	6.33	proximal promoter
AT5G18020	SMALL AUXIN UP RNA 20 (SAUR20)	SAUR-like auxir	5_5968153	6.33	proximal promoter
AT2G26260	3BETA-HYDROXYSTEROID-DEHYDROG	Encodes an enz	2_11176286	6.32	proximal promoter
AT1G69040	ACT DOMAIN REPEAT 4 (ACR4)	ACT-domain co	1_25955174	6.32	proximal promoter
AT3G14180	ARABIDOPSIS 6B-INTERACTING PROTI	sequence-speci	3_4708962	6.32	promoter
AT3G26290	CYTOCHROME P450, FAMILY 71, SUBF	putative cytochr	3_9634800	6.32	promoter
AT4G32890	GATA TRANSCRIPTION FACTOR 9 (GAT	Encodes a mem	4_15877425	6.32	intergenic
AT1G02400	GIBBERELLIN 2-OXIDASE 6 (GA2OX6)	Encodes a gibb	1_488850	6.32	exon
AT3G07750	na	3'-5'-exoribonuc	3_2475607	6.32	downstream
AT3G07760	na	Sterile alpha mc	3_2475607	6.32	proximal promoter
AT1G07135	na	glycine-rich prot	1_2191087	6.32	promoter
AT1G78830	na	Curculin-like (m	1_29638664	6.32	promoter
AT1G64380	na	encodes a mem	1_23890493	6.32	downstream
AT1G67510	na	Leucine-rich rep	1_25297225	6.32	intergenic
AT1G78840	na	F-box/RNI-like/F	1_29638664	6.32	intergenic
AT5G59230	na	transcription fac	5_23901201	6.32	promoter
AT2G37710	RECEPTOR LECTIN KINASE (RLK)	Induced in resp	2_15818132	6.32	proximal promoter
AT1G67500	RECOVERY PROTEIN 3 (REV3)	Encodes the ca	1_25297225	6.32	promoter
AT2G37720	TRICHOME BIREFRINGENCE-LIKE 15 (T	Encodes a mem	2_15818132	6.32	exon
AT3G17203	GIBBERELLIN 2-OXIDASE 5 (GA2OX5)	a pseudogene ii	3_5873075	6.31	downstream
AT2G43060	IL1 BINDING BHLH 1 (IBH1)	IL1 binding bHL	2_17906290	6.31	proximal promoter
AT4G36820	na	Protein of unknc	4_17346686	6.31	promoter
AT4G11570	na	Haloacid dehalc	4_7004081	6.31	promoter
AT2G29670	na	Tetratricopeptid	2_12685209	6.31	promoter
AT1G03220	na	Eukaryotic aspa	1_785746	6.31	proximal promoter
AT2G24240	na	BTB/POZ doma	2_10310494	6.31	promoter
AT4G17810	na	C2H2 and C2H1	4_9908728	6.31	intergenic
AT5G62880	RAC-LIKE 10 (RAC10)	A member of Rf	5_25236956	6.31	promoter
AT3G17205	UBIQUITIN PROTEIN LIGASE 6 (UPL6)	ubiquitin protei	3_5873075	6.31	promoter
AT5G64660	CYS, MET, PRO, AND GLY PROTEIN 2 (C	CYS, MET, PRC	5_25843980	6.3	proximal promoter
AT1G64470	na	Ubiquitin-like su	1_23947656	6.3	proximal promoter
AT1G67590	na	Remorin family	1_25335129	6.3	promoter
AT4G29950	na	Ypt/Rab-GAP di	4_14656252	6.3	proximal promoter
AT1G69910	na	Protein kinase s	1_26328740	6.3	proximal promoter
AT4G29940	PATHOGENESIS RELATED HOMEODOM	Homeodomain f	4_14656252	6.3	proximal promoter
AT1G67960	POLLEN DEFECTIVE IN GUIDANCE 1 (P	POD1 is involve	1_25484360	6.3	promoter
AT4G37450	ARABINOGALACTAN PROTEIN 18 (AGF	AGP18 is a lysir	4_17605334	6.29	intergenic
AT1G14620	DECOY (DECOY)	DECOY (DECO	1_5018092	6.29	proximal promoter
AT5G67370	na	Protein of unknc	5_26879717	6.29	promoter
AT2G26110	na	Protein of unknc	2_11122247	6.29	downstream
AT4G25870	na	Core-2/l-branch	4_13151961	6.29	intron
AT1G14430	na	glyoxal oxidase-	1_4934582	6.29	exon
AT4G37445	na	BEST Arabidop:	4_17605334	6.29	promoter
AT5G25350	EIN3-BINDING F BOX PROTEIN 2 (EBF2)	Arabidopsis tha	5_8797111	6.28	promoter
AT2G35620	FEI 2 (FEI2)	Encodes a plasi	2_14965511	6.28	promoter
AT1G78680	GAMMA-GLUTAMYL HYDROLASE 2 (GG	The Arabidopsis	1_29593739	6.28	promoter
AT1G78670	GAMMA-GLUTAMYL HYDROLASE 3 (GG	gamma-glutamy	1_29593739	6.28	intergenic
AT3G25510	na	disease resistar	3_9268999	6.28	promoter
AT5G01790	na	unknown proteir	5_306384	6.28	proximal promoter
AT3G21055	PHOTOSYSTEM II SUBUNIT T (PSBTN)	Encodes photos	3_7377278	6.28	promoter
AT3G21060	RBBP5 LIKE (RBL)	Encodes a struc	3_7377278	6.28	promoter
AT3G25520	RIBOSOMAL PROTEIN L5 (ATL5)	Encodes riboso	3_9268999	6.28	intergenic
AT2G45070	SUPPRESSORS OF SECRETION-DEFEC	Sec61 Beta Sut	2_18589591	6.28	proximal promoter
AT2G46400	WRKY DNA-BINDING PROTEIN 46 (WRK	member of WR1	2_19045469	6.28	proximal promoter
AT4G35600	CAST AWAY (CST)	Encodes a rece	4_16895299	6.27	proximal promoter
AT1G16300	GLYCERALDEHYDE-3-PHOSPHATE DEI	Encodes one of	1_5574137	6.27	promoter
AT1G53580	GLYOXALASE II 3 (GLY3)	Mononuclear Fe	1_19993408	6.27	promoter
AT1G03030	na	P-loop containir	1_701386	6.27	promoter
AT5G55180	na	O-Glycosyl hydr	5_22390165	6.27	exon
AT1G20310	na	unknown proteir	1_7032134	6.27	promoter
AT2G41640	na	Glycosyltransfei	2_17359938	6.27	proximal promoter
AT2G22010	RELATED TO KPC1 (RKP)	Encodes a prot	2_9370652	6.27	proximal promoter
AT1G09210	CALRETICULIN 1B (CRT1b)	Encodes one of	1_2976969	6.26	promoter

AT4G27430	COP1-INTERACTING PROTEIN 7 (CIP7)	Positive regulat	4_13717716	6.26	proximal promoter
AT4G17840	na	FUNCTIONS IN 4_	9920526	6.26	promoter
AT4G12300	CYTOCHROME P450, FAMILY 706, SUBf	member of CYP 4_	7309973	6.25	promoter
AT4G34100	ECERIFERUM 9 (CER9)	Encodes a prot	4_16330354	6.25	promoter
AT2G39700	EXPANSIN A4 (EXPA4)	putative expans	2_16547004	6.25	proximal promoter
AT5G66568	na	pre-tRNA; tRNA	5_26568496	6.25	downstream
AT2G22620	na	Rhamnogalactu	2_9606901	6.25	intron
AT5G01790	na	unknown proteir	5_304291	6.25	intergenic
AT4G34090	na	unknown proteir	4_16330354	6.25	promoter
AT5G01780	na	2-oxoglutarate-<	5_304291	6.25	promoter
AT5G66570	PS II OXYGEN-EVOLVING COMPLEX 1 (	Encodes a prot	5_26568496	6.25	promoter
AT1G23400	(CAF2)	Promotes the sr	1_8311841	6.24	intergenic
AT1G76650	CALMODULIN-LIKE 38 (CML38)	calmodulin-like	: 1_28767757	6.24	intron
AT2G41140	CDPK-RELATED KINASE 1 (CRK1)	Encodes CDPK	2_17147873	6.24	proximal promoter
AT1G68552	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open	1_25728231	6.24	proximal promoter
AT1G68550	CYTOKININ RESPONSE FACTOR 10 (CF	encodes a mem	1_25728231	6.24	proximal promoter
AT2G39860	na	pre-tRNA; tRNA	2_16640273	6.24	promoter
AT1G78310	na	VQ motif-contain	1_29466052	6.24	proximal promoter
AT1G23390	na	Kelch repeat-co	1_8311841	6.24	proximal promoter
AT2G21120	na	Protein of unkn	2_9054655	6.24	promoter
AT2G21130	na	Cyclophilin-like	: 2_9054655	6.24	intergenic
AT2G37580	na	RING/U-box su	2_15763768	6.24	proximal promoter
AT2G37585	na	Core-2/l-branch	2_15763768	6.24	proximal promoter
AT3G13686	na	unknown proteir	3_4484227	6.24	downstream
AT3G06868	na	unknown proteir	3_2169983	6.24	intergenic
AT3G06870	na	proline-rich fami	3_2169983	6.24	proximal promoter
AT3G06880	na	Transducin/WD	3_2169983	6.24	intron
AT4G34500	na	Protein kinase s	4_16490083	6.24	intron
AT2G37570	SODIUM- AND LITHIUM-TOLERANT 1 (S	encodes a prote	2_15763768	6.24	promoter
AT1G60950	(FED A)	encodes a majo	1_22444361	6.23	promoter
AT1G03090	(MCCA)	MCCA is the bic	1_739534	6.23	promoter
AT2G47940	DEGP PROTEASE 2 (DEGP2)	Encodes DegP?	2_19622344	6.23	promoter
AT5G16260	EARLY FLOWERING 9 (ELF9)	Encodes a RNA	5_5311156	6.23	promoter
AT2G01860	EMBRYO DEFECTIVE 975 (EMB975)	EMBRYO DEFE	2_387879	6.23	promoter
AT2G01850	ENDOXYLOGLUCCAN TRANSFERASE A3	EXGT-A3 has h	2_387879	6.23	intergenic
AT1G60960	IRON REGULATED TRANSPORTER 3 (IF	Encodes a plasi	1_22444361	6.23	intergenic
AT5G43620	na	Pre-mRNA clea	5_17522495	6.23	promoter
AT1G03100	na	Pentatricopeptic	1_739534	6.23	intergenic
AT3G23171	na	unknown proteir	3_8269782	6.23	exon
AT3G23310	na	AGC (cAMP-de	3_8337420	6.23	proximal promoter
AT5G16250	na	unknown proteir	5_5311156	6.23	promoter
AT1G62950	na	leucine-rich rep	1_23314910	6.22	promoter
AT2G25430	na	epsin N-termina	2_10825203	6.22	intergenic
AT1G78230	na	Outer arm dyne	1_29430229	6.22	exon
AT3G60318	na	This gene encod	3_22293181	6.22	intergenic
AT3G60320	na	Protein of unkn	3_22293181	6.22	intron
AT4G36500	na	unknown proteir	4_17226743	6.22	promoter
AT5G01070	na	RING/FYVE/PH	5_27587	6.22	proximal promoter
AT5G01075	na	Glycosyl hydroli	5_27587	6.22	promoter
AT2G25440	RECEPTOR LIKE PROTEIN 20 (RLP20)	receptor like prc	2_10825203	6.22	proximal promoter
AT5G46410	SCP1-LIKE SMALL PHOSPHATASE 4 (S	Encodes a SCP	5_18825015	6.22	promoter
AT4G03070	(AOP1)	Encodes a poss	4_1358274	6.21	promoter
AT1G76890	(GT2)	encodes a plant	1_28876273	6.21	proximal promoter
AT2G42000	ARABIDOPSIS THALIANA METALLOTHI	AtMT4a is a me	2_17530853	6.21	promoter
AT1G05670	na	Pentatricopeptic	1_1699459	6.21	exon
AT1G78400	na	Pectin lyase-like	1_29497892	6.21	intergenic
AT5G59385	na	pre-tRNA; tRNA	5_23954122	6.21	downstream
AT3G61070	PEROXIN 11E (PEX11E)	member of the r	3_22606932	6.21	promoter
AT5G25610	RESPONSIVE TO DESSICATION 22 (RD	responsive to di	5_8918677	6.21	proximal promoter
AT3G09690	na	alpha/beta-Hydr	3_2971653	6.2	promoter
AT1G05350	na	NAD(P)-binding	1_1564330	6.2	promoter
AT3G54420	na	unknown proteir	3_20548518	6.2	exon
AT5G48500	na	unknown proteir	5_19652420	6.2	proximal promoter
AT4G01120	G-BOX BINDING FACTOR 2 (GBF2)	bZIP (basic leuc	4_484969	6.19	promoter
AT3G02885	GAST1 PROTEIN HOMOLOG 5 (GAS45)	GAS45, is invol	3_633962	6.19	intergenic
AT1G33240	GT-2-LIKE 1 (GTL1)	Encodes a plan	1_12051202	6.19	intergenic
AT3G02875	IAA-LEUCINE RESISTANT 1 (ILR1)	Hydrolyzes amii	3_633962	6.19	three_prime_UTR
AT3G02880	na	Leucine-rich rep	3_633962	6.19	proximal promoter
AT4G01130	na	GDSL-like Lipas	4_484969	6.19	proximal promoter
AT4G37760	SQUALENE EPOXIDASE 3 (SQE3)	squalene epoxi	4_17743339	6.19	proximal promoter
AT2G30590	WRKY DNA-BINDING PROTEIN 21 (WRK	Encodes WRKY	2_13033508	6.19	five_prime_UTR
AT5G15970	(KIN2)	Encodes a gene	5_5211766	6.18	promoter
AT1G56340	CALRETICULIN 1A (CRT1a)	Encodes one of	1_21092787	6.18	promoter
AT1G70895	CLAVATA3/ESR-RELATED 17 (CLE17)	Member of a lar	1_26727661	6.18	promoter
AT1G03800	ERF DOMAIN PROTEIN 10 (ERF10)	encodes a mem	1_958117	6.18	promoter
AT1G70890	MLP-LIKE PROTEIN 43 (MLP43)	MLP-like proteir	1_26727661	6.18	proximal promoter
AT1G56345	na	Pseudouridine ε	1_21092787	6.18	downstream
AT3G45230	na	hydroxyproline-ι	3_16568844	6.18	promoter
AT1G32930	na	Galactosyltrans	1_11934793	6.18	promoter
AT1G21730	na	P-loop containir	1_7629628	6.18	promoter
AT1G70885	na	pseudogene, sir	1_26727661	6.18	proximal promoter
AT2G46870	NGATHA1 (NGA1)	NGATHA1 (NG_2_	19258004	6.18	proximal promoter
AT1G15110	PHOSPHATIDYL SERINE SYNTHASE 1 (F	PSS1 encodes	1_5199089	6.18	five_prime_UTR
AT5G38410	RUBISCO SMALL SUBUNIT 3B (RBCS3B	Encodes a mem	5_15378522	6.18	promoter
AT1G08250	AROGENATE DEHYDRATASE 6 (ADT6)	Encodes a plasi	1_2590398	6.17	promoter
AT3G06860	MULTIFUNCTIONAL PROTEIN 2 (MFP2)	Encodes a multi	3_2166496	6.17	downstream
AT5G02220	na	unknown proteir	5_442657	6.17	proximal promoter
AT5G52070	na	Agenet domain-	5_21161269	6.17	promoter
AT3G06868	na	unknown proteir	3_2166496	6.17	proximal promoter
AT2G21210	na	Putative auxin-r	2_9086108	6.17	promoter
AT3G23930	na	unknown proteir	3_8646607	6.17	promoter
AT5G10150	na	FUNCTIONS IN	5_3184090	6.17	promoter
AT2G27840	(HDT4)	Belongs to the r	2_11860547	6.16	proximal promoter
AT3G61830	AUXIN RESPONSE FACTOR 18 (ARF18)	auxin response	3_22887283	6.16	proximal promoter

AT5G45820	CBL-INTERACTING PROTEIN KINASE 2C	Encodes a CBL	5_18589648	6.16	proximal promoter
AT5G45830	DELAY OF GERMINATION 1 (DOG1)	Encodes DOG1	5_18589648	6.16	three_prime_UTR
AT1G03850	GLUTAREDOXIN 13 (GRXS13)	Encodes glutare	1_979053	6.16	proximal promoter
AT2G45910	na	U-box domain-c	2_18894006	6.16	promoter
AT5G58090	na	O-Glycosyl hydr	5_23507389	6.16	promoter
AT2G05810	na	ARM repeat sur	2_2215085	6.16	intron
AT2G05812	na	Potential natura	2_2215085	6.16	promoter
AT2G27830	na	unknown protei	2_11860547	6.16	five_prime_UTR
AT3G61826	na	This gene encod	3_22887283	6.16	proximal promoter
AT3G61827	na	This gene encod	3_22887283	6.16	promoter
AT3G61829	na	unknown protei	3_22887283	6.16	exon
AT1G03860	PROHIBITIN 2 (PHB2)	prohibitin 2	1_979053	6.16	intergenic
AT2G33050	RECEPTOR LIKE PROTEIN 26 (RLP26)	receptor like prc	2_14025439	6.16	intergenic
AT2G33060	RECEPTOR LIKE PROTEIN 27 (RLP27)	receptor like prc	2_14025439	6.16	promoter
AT2G02180	TOBAMOVIRUS MULTIPLICATION PROT	Necessary for tl	2_560715	6.16	promoter
AT1G63180	UDP-D-GLUCOSE/UDP-D-GALACTOSE	Encodes a prot	1_23429509	6.16	five_prime_UTR
AT1G32200	(ATS1)	Encodes a chl	1_11605806	6.15	proximal promoter
AT1G32210	DEFENDER AGAINST APOPTOTIC DEAT	Encodes protei	1_11605806	6.15	downstream
AT5G07920	DIACYLGLYCEROL KINASE1 (DGK1)	diacylglycerol ki	5_2529512	6.15	promoter
AT4G13340	LEUCINE-RICH REPEAT/EXTENSIN 3 (LI	Leucine-rich re	4_7757155	6.15	proximal promoter
AT3G23530	na	Cyclopropane-fi	3_8437785	6.15	intron
AT3G47960	na	Major facilitator	3_17700889	6.15	promoter
AT5G11000	na	Plant protein of	5_3478506	6.15	intergenic
AT4G37820	na	unknown protei	4_17784984	6.15	promoter
AT5G10990	na	SAUR-like auxi	5_3478506	6.15	intergenic
AT5G04410	NAC DOMAIN CONTAINING PROTEIN 2	NAC family mer	5_1243720	6.15	promoter
AT5G03520	RAB GTPASE HOMOLOG 8C (RAB8C)	RAB GTPase h	5_882899	6.15	proximal promoter
AT4G00370	(ANR2)	Encodes an ino	4_166412	6.14	promoter
AT5G62000	AUXIN RESPONSE FACTOR 2 (ARF2)	Encodes an aux	5_24916026	6.14	intergenic
AT5G62020	HEAT SHOCK TRANSCRIPTION FACTO	member of Heat	5_24916026	6.14	promoter
AT3G18250	na	Putative membr	3_6259175	6.14	proximal promoter
AT4G33040	na	Thioredoxin sup	4_15941492	6.14	promoter
AT1G02620	na	Ras-related sm	1_557156	6.14	intron
AT1G02610	na	RING/FYVE/PH	1_557156	6.14	proximal promoter
AT3G19680	na	Protein of unkn	3_6842105	6.14	exon
AT3G19690	na	CAP (Cysteine-	3_6842105	6.14	downstream
AT2G47670	na	Plant invertase/	2_19545633	6.14	proximal promoter
AT5G42650	ALLENE OXIDE SYNTHASE (AOS)	Encodes a merr	5_17098358	6.13	exon
AT2G40840	DISPROPORTIONATING ENZYME 2 (DPI	Encodes a cyto	2_17044943	6.13	promoter
AT1G07110	FRUCTOSE-2,6-BISPHOSPHATASE (F2F	Encodes the bif	1_2177631	6.13	intergenic
AT2G15890	MATERNAL EFFECT EMBRYO ARREST	maternal effect	2_6922176	6.13	promoter
AT5G65300	na	unknown protei	5_26095873	6.13	promoter
AT1G07100	na	pre-tRNA; tRNA	1_2177631	6.13	promoter
AT2G15880	na	Leucine-rich re	2_6922176	6.13	proximal promoter
AT2G45040	na	Matrixin family	3_2_18579190	6.13	intergenic
AT3G09440	na	Heat shock prot	3_2906644	6.13	proximal promoter
AT4G34950	na	Major facilitator	4_16643175	6.13	intron
AT2G40830	RING-H2 FINGER C1A (RHC1A)	Encodes a puta	2_17044943	6.13	downstream
AT4G16890	SUPPRESSOR OF NPR1-1, CONSTITUT	Encodes a Toll	1_4_9505947	6.13	promoter
AT5G59430	TELOMERIC REPEAT BINDING PROTEI	Encodes a telor	5_23967241	6.13	promoter
AT3G48350	CYSTEINE ENDOPEPTIDASE 3 (CEP3)	Cysteine protei	3_17905259	6.12	promoter
AT2G40610	EXPANSIN A8 (EXPA8)	member of Alph	2_16952444	6.12	proximal promoter
AT1G76610	na	Protein of unkn	1_28752400	6.12	intergenic
AT5G44050	na	MATE efflux fan	5_17723581	6.12	intron
AT1G80530	na	Major facilitator	1_30281116	6.12	proximal promoter
AT4G38660	na	Pathogenesis-rr	4_18068542	6.12	promoter
AT4G38670	na	Pathogenesis-rr	4_18068542	6.12	intergenic
AT5G54620	na	Ankyrin repeat	5_22191319	6.12	proximal promoter
AT1G73080	PEP1 RECEPTOR 1 (PEPR1)	Encodes a leuci	1_27484275	6.12	promoter
AT1G76680	12-OXOPHYTODIENOATE REDUCTASE	Encodes a merr	1_28776829	6.11	promoter
AT2G38400	ALANINE:GLYOXYLATE AMINOTRANSF	alanine:glyoxyla	2_16082335	6.11	proximal promoter
AT2G28350	AUXIN RESPONSE FACTOR 10 (ARF10)	Involved in root	2_12109724	6.11	intergenic
AT3G23250	MYB DOMAIN PROTEIN 15 (MYB15)	Member of the f	3_8309111	6.11	promoter
AT1G35560	na	TCP family tran	1_13115674	6.11	downstream
AT1G76670	na	Nucleotide-sug	1_28776829	6.11	proximal promoter
AT3G28430	na	unknown protei	3_10662769	6.11	promoter
AT3G26530	na	transposable el	3_9739462	6.11	intergenic
AT4G02410	na	Concanavalin A	4_1062285	6.11	promoter
AT1G09950	RESPONSE TO ABA AND SALT 1 (RAS1	RESPONSE TC	1_3240346	6.11	intergenic
AT5G40390	SEED IMBIBITION 1-LIKE (SIP1)	Encodes a prot	5_16163367	6.11	intron
AT4G30960	SOS3-INTERACTING PROTEIN 3 (SIP3)	Encodes CBL-ir	4_15066919	6.11	promoter
AT5G07990	TRANSPARENT TESTA 7 (TT7)	Required for fla	5_2562146	6.11	exon
AT3G09390	METALLOTHIONEIN 2A (MT2A)	metallothionein,	3_2890380	6.1	promoter
AT1G77060	na	Phosphoenolpy	1_28953596	6.1	promoter
AT2G24360	na	Protein kinase	5_2_10367029	6.1	promoter
AT2G18630	na	Protein of unkn	2_8079905	6.1	proximal promoter
AT2G30880	(SWAP70)	Pleckstrin homc	2_13141346	6.09	intergenic
AT3G23220	ETHYLENE AND SALT INDUCIBLE 1 (ES	encodes a mem	3_8287579	6.09	promoter
AT2G30870	GLUTATHIONE S-TRANSFERASE PHI 1	early dehydratic	2_13141346	6.09	promoter
AT2G30860	GLUTATHIONE S-TRANSFERASE PHI 9	Encodes glutath	2_13141346	6.09	intergenic
AT3G13810	INDETERMINATE(ID)-DOMAIN 11 (IDD11	indeterminate(I	3_4547893	6.09	intergenic
AT1G51660	MITOGEN-ACTIVATED PROTEIN KINASE	Encodes a mito	1_19154230	6.09	promoter
AT1G47970	na	unknown protei	1_17687037	6.09	promoter
AT1G51650	na	ATP synthase	1_19154230	6.09	intergenic
AT4G26480	na	RNA-binding Kf	4_13376140	6.09	promoter
AT3G13820	na	F-box and asso	3_4547893	6.09	proximal promoter
AT2G46810	na	basic helix-loop	2_19242469	6.09	three_prime_UTR
AT5G17840	na	DnaJ/Hsp40 cy	5_5897699	6.09	proximal promoter
AT5G54200	na	Transducin/WD	5_21999089	6.09	proximal promoter
AT5G61120	na	BEST Arabidop	5_24585807	6.09	promoter
AT2G46820	PHOTOSYSTEM I P SUBUNIT (PSI-P)	Encodes the P	2_19242469	6.09	proximal promoter
AT3G23810	S-ADENOSYL-L-HOMOCYSTEINE (SAH)	S-adenosyl-l-ho	3_8595488	6.09	intergenic
AT2G42580	TETRAATRICOPETIDE-REPEAT THIORE	Encodes a merr	2_17726807	6.09	proximal promoter
AT2G32800	(AP4.3A)	AP4.3A; FUNC	2_13913141	6.08	intergenic

AT3G54900	CAX INTERACTING PROTEIN 1 (CXIP1)	A.thaliana PICC 3_20341147	6.08	intergenic
AT3G22968	CONSERVED PEPTIDE UPSTREAM OPEN READING FRAME	Upstream open 3_8151855	6.08	promoter
AT1G75450	CYTOKININ OXIDASE 5 (CKX5)	This gene used 1_28315868	6.08	intron
AT5G08280	HYDROXYMETHYLBILANE SYNTHASE (HMB-SYN)	Encodes a prot 5_2665858	6.08	promoter
AT3G22970	na	Protein of unkn 3_8151855	6.08	promoter
AT5G10745	na	unknown proteir 5_3400239	6.08	intergenic
AT5G10750	na	Protein of unkn 5_3400239	6.08	downstream
AT5G10760	na	Eukaryotic aspa 5_3400239	6.08	downstream
AT3G54890	PHOTOSYSTEM I LIGHT HARVESTING COMPLEX 1	Encodes a com 3_20341147	6.08	promoter
AT1G59900	PYRUVATE DEHYDROGENASE COMPLEX 1	encodes the e1 1_22051266	6.08	promoter
AT1G59890	SIN3-LIKE 5 (SNL5)	SIN3-like 5 (SNL) 1_22051266	6.08	downstream
AT1G75440	UBIQUITIN-CONJUGATING ENZYME 16	ubiquitin-conjug 1_28315868	6.08	intergenic
AT5G08290	YELLOW-LEAF-SPECIFIC GENE 8 (YLS8)	Encodes Dim1 1_5_2665858	6.08	promoter
AT4G23750	CYTOKININ RESPONSE FACTOR 2 (CRF2)	encodes a mem 4_12375297	6.07	proximal promoter
AT2G29450	GLUTATHIONE S-TRANSFERASE TAU 1	Encodes a mem 2_12624640	6.07	three_prime_UTR
AT5G56240	na	INVOLVED IN: 15_22765304	6.07	proximal promoter
AT2G29452	na	unknown proteir 2_12624640	6.07	intergenic
AT2G29390	STEROL 4-ALPHA-METHYL-OXIDASE 2	Encodes a sterc 2_12612589	6.07	intron
AT5G42100	BETA-1,3-GLUCANASE_PUTATIVE (BG1)	encodes a plasr 5_16829653	6.06	intron
AT1G75380	BIFUNCTIONAL NUCLEASE IN BASAL DISEASE RESISTANCE 1	Encodes a nucl 1_28285268	6.06	proximal promoter
AT1G54115	CATION CALCIUM EXCHANGER 4 (CCX4)	Involved in catic 1_20204264	6.06	downstream
AT5G43060	RESPONSIVE TO DEHYDRATION 21B (RD21B)	Granulin repeat 5_17272824	6.06	proximal promoter
AT3G08762	na	unknown proteir 3_2662000	6.06	exon
AT1G45688	na	unknown proteir 1_17192972	6.06	three_prime_UTR
AT1G45760	na	transposable elk 1_17192972	6.06	proximal promoter
AT3G63460	na	transducin famil 3_23437624	6.06	promoter
AT2G29628	na	unknown proteir 2_12666823	6.06	downstream
AT2G14080	na	Disease resistat 2_5924214	6.06	proximal promoter
AT2G40460	na	Major facilitator 2_16895758	6.06	proximal promoter
AT4G03420	na	Protein of unkn 4_1514807	6.06	intergenic
AT5G59050	na	unknown proteir 5_23840764	6.06	intron
AT5G10310	na	unknown proteir 5_3242338	6.06	promoter
AT5G10320	na	unknown proteir 5_3242338	6.06	intergenic
AT2G29630	THIAMINC (THIC)	Encodes a prote 2_12666823	6.06	promoter
AT4G11660	(AT-HSFB2B)	member of Heal 4_7042490	6.05	promoter
AT2G38040	ACETYL CO-ENZYME A CARBOXYLASE 1	encodes the cai 2_15921464	6.05	intergenic
AT3G44720	AROGENATE DEHYDRATASE 4 (ADT4)	Encodes a plas 3_16273004	6.05	exon
AT1G15950	CINNAMOYL COA REDUCTASE 1 (CCR1)	Encodes a cinn 1_5479893	6.05	exon
AT2G38050	DE-ETIOLATED 2 (DET2)	Similar to mamn 2_15921464	6.05	exon
AT5G22500	FATTY ACID REDUCTASE 1 (FAR1)	Encodes a mem 5_7466700	6.05	intergenic
AT3G53800	FES1B (Fes1B)	Encodes one of 3_19930790	6.05	promoter
AT4G36730	G-BOX BINDING FACTOR 1 (GBF1)	member of a ge 4_17312537	6.05	promoter
AT5G59840	na	Ras-related sm: 5_24109398	6.05	promoter
AT1G55700	na	Cysteine/Histidi 1_20818173	6.05	intergenic
AT3G22560	na	Acy-CoA N-acy 3_7997610	6.05	intergenic
AT1G47310	na	unknown proteir 1_17342981	6.05	five_prime_UTR
AT2G38060	PHOSPHATE TRANSPORTER 4:2 (PHT4:2)	Encodes an ino 2_15921464	6.05	intergenic
AT4G21960	(PRXR1)	Encodes AT4g2 4_11650391	6.04	proximal promoter
AT5G01370	ALC-INTERACTING PROTEIN 1 (AC1)	Nuclear protein 5_154949	6.04	intergenic
AT1G73830	BR ENHANCED EXPRESSION 3 (BEE3)	BR enhanced e: 1_27762784	6.04	intergenic
AT3G18550	BRANCHED 1 (BRC1)	Encodes a TCP 3_6381248	6.04	proximal promoter
AT2G22125	CELLULOSE SYNTHASE-INTERACTIVE 1	Encodes a prot 2_9406162	6.04	promoter
AT3G19980	FLOWER-SPECIFIC, PHYTOCHROME-A INTERACTING PROTEIN 1	Encodes cataly 3_6961730	6.04	promoter
AT1G61900	na	unknown proteir 1_22880809	6.04	intergenic
AT2G29670	na	Tetratricopeptid 2_12686591	6.04	proximal promoter
AT3G19970	na	alpha/beta-Hydr 3_6961730	6.04	downstream
AT4G19140	na	unknown proteir 4_10469518	6.04	promoter
AT1G09430	ATP-CITRATE LYASE A-3 (ACLA-3)	Encodes subun 1_3041921	6.03	promoter
AT2G46450	CYCLIC NUCLEOTIDE-GATED CHANNEL 1	Member of Cycl 2_19065458	6.03	promoter
AT2G26140	FTSH PROTEASE 4 (ftsh4)	encodes an Fts 2_11135376	6.03	promoter
AT1G09420	GLUCOSE-6-PHOSPHATE DEHYDROGENASE 1	Encodes a prote 1_3041921	6.03	promoter
AT2G26150	HEAT SHOCK TRANSCRIPTION FACTOR 1	member of Heal 2_11135376	6.03	promoter
AT4G23030	na	MATE efflux fan 4_12074828	6.03	intergenic
AT2G30060	na	Pleckstrin homc 2_12829167	6.03	intergenic
AT2G46810	na	basic helix-loop 2_19240928	6.03	intron
AT3G11402	na	Cysteine/Histidi 3_3573346	6.03	promoter
AT5G03140	na	Concanavalin A 5_742508	6.03	proximal promoter
AT4G33220	PECTIN METHYLESTERASE 44 (PME44)	pectin methyl 4_16022056	6.03	promoter
AT4G39980	3-DEOXY-D-ARABINO-HEPTULOSONATE 1	Encodes a 2-de 4_18539544	6.02	promoter
AT1G14920	GIBBERELLIC ACID INSENSITIVE (GAI)	Similar to a put 1_5151852	6.02	intergenic
AT1G14930	na	Polyketide cycl 1_5151852	6.02	intergenic
AT2G24395	na	chaperone prote 2_10375353	6.02	promoter
AT4G39970	na	Haloacid dehalc 4_18539544	6.02	proximal promoter
AT4G28630	ATP-BINDING CASSETTE B23 (ABC23)	Half-molecule A 4_14141117	6.01	promoter
AT4G17490	ETHYLENE RESPONSIVE ELEMENT BINDING PROTEIN 1	Encodes a mem 4_9753001	6.01	exon
AT1G02400	GIBBERELLIN 2-OXIDASE 6 (GA2OX6)	Encodes a gibb 1_485744	6.01	proximal promoter
AT4G28640	INDOLE-3-ACETIC ACID INDUCIBLE 11 (IAA11)	(Auxin induced c 4_14141117	6.01	proximal promoter
AT3G22886	MICRORNA167A (MIR167A)	Encodes a micr 3_8106289	6.01	proximal promoter
AT3G61980	na	serine protease 3_22956965	6.01	promoter
AT4G38810	na	Calcium-binding c 4_18119943	6.01	proximal promoter
AT1G69850	NITRATE TRANSPORTER 1:2 (NRT1:2)	Encodes an ind 1_26302892	6.01	proximal promoter
AT3G61990	O-MTASE FAMILY 3 PROTEIN (OMTF3)	Encodes a prote 3_22956965	6.01	downstream
AT3G25250	(AGC2-1)	Arabidopsis pro 3_9195200	6	promoter
AT4G37260	MYB DOMAIN PROTEIN 73 (MYB73)	Member of the f 4_17538046	6	proximal promoter
AT3G09000	na	proline-rich fami 3_2745543	6	promoter
AT1G26270	na	Phosphatidyli 1_9092594	6	promoter
AT1G06148	na	Unknown gene 1_1879487	6	proximal promoter
AT3G57280	na	Transmembran 3_21193711	6	promoter
AT4G19430	na	unknown proteir 4_10597155	6	intergenic
AT4G35785	na	RNA-binding (R 4_16955318	6	promoter
AT4G35790	PHOSPHOLIPASE D DELTA (PLDDELTA)	Encodes a prote 4_16955318	6	downstream
AT3G05890	RARE-COLD-INDUCIBLE 2B (RCI2B)	RARE-COLD-IN 3_1759657	6	proximal promoter
AT1G44170	ALDEHYDE DEHYDROGENASE 3H1 (ALDH3H1)	Encodes a prote 1_16798679	5.99	intron
AT5G67380	CASEIN KINASE ALPHA 1 (CKA1)	Casein kinase II 5_26884185	5.99	proximal promoter

AT5G65420	CYCLIN D4:1 (CYCD4:1)	Encodes a D-tyl 5_26141138	5.99	intergenic
AT1G28360	ERF DOMAIN PROTEIN 12 (ERF12)	encodes a mem 1_9950928	5.99	proximal promoter
AT2G38540	LIPID TRANSFER PROTEIN 1 (LP1)	Non-specific lipi 2_16131561	5.99	intergenic
AT3G02170	LONGIFOLIA2 (LNG2)	Encodes LONG 3_401678	5.99	proximal promoter
AT2G38544	na	unknown proteir 2_16131561	5.99	exon
AT5G45410	na	unknown proteir 5_18403858	5.99	promoter
AT5G56160	na	Sec14p-like phc 5_22731845	5.99	promoter
AT2G38290	AMMONIUM TRANSPORTER 2 (AMT2)	encodes a high-2_16042424	5.98	promoter
AT3G62690	ATL5 (ATL5)	Encodes a RINk 3_23185753	5.98	three_prime_UTR
AT1G55530	na	RING/U-box suj 1_20731340	5.98	promoter
AT4G25980	na	Peroxidase sup 4_13188986	5.98	promoter
AT3G19340	na	LOCATED IN: p 3_6704615	5.98	promoter
AT1G71020	na	ARM repeat suj 1_26793184	5.98	promoter
AT2G17880	na	Chaperone Dna 2_7767903	5.98	five_prime_UTR
AT2G46320	na	Mitochondrial st 2_19014860	5.98	proximal promoter
AT5G11070	na	unknown proteir 5_3516908	5.98	five_prime_UTR
AT5G11080	na	Ubiquitin-like su 5_3516908	5.98	intergenic
AT5G60060	na	CONTAINS Inte 5_24188280	5.98	intergenic
AT4G25970	PHOSPHATIDYLSERINE DECARBOXYLASE	Encodes the mc 4_13188986	5.98	intron
AT5G21990	TETRATRICOPEPTIDE REPEAT 7 (TPR7)	Encodes one of 5_7271349	5.98	proximal promoter
AT3G03090	VACUOLAR GLUCOSE TRANSPORTER	Encodes a vacc 3_703993	5.98	intron
AT1G53700	WAG 1 (WAG1)	The WAG1 and 1_20049948	5.98	exon
AT4G28710	(XIH)	member of Myo 4_14171034	5.97	proximal promoter
AT1G76730	CLUSTERS OF ORTHOLOGOUS GROUP 1 (CRO1)	Encodes a para 1_28804933	5.97	promoter
AT4G11140	CYTOKININ RESPONSE FACTOR 1 (CRF1)	encodes a mem 4_6795031	5.97	exon
AT1G53430	na	Leucine-rich rep 1_19935787	5.97	intron
AT3G22440	na	FRIGIDA-like pr 3_7959613	5.97	promoter
AT4G28706	na	ptkB-like carboh 4_14171034	5.97	intron
AT5G10980	na	Histone superfa 5_3473664	5.97	promoter
AT5G47240	NUDIX HYDROLASE HOMOLOG 8 (NUD8)	nudix hydrolase 5_19182895	5.97	proximal promoter
AT4G30530	GAMMA-GLUTAMYL PEPTIDASE 1 (GGF1)	Encodes a gam 4_14919244	5.96	proximal promoter
AT2G16720	MYB DOMAIN PROTEIN 7 (MYB7)	Encodes a mem 2_7260497	5.96	intergenic
AT4G32870	na	Polyketide cycl 4_15863021	5.96	intergenic
AT1G22490	na	basic helix-loop 1_7938808	5.96	intron
AT2G40800	na	unknown proteir 2_17027077	5.96	promoter
AT4G34412	na	CONTAINS Inte 4_16451891	5.96	intergenic
AT5G03660	na	Family of unkno 5_941562	5.96	intergenic
AT4G32990	na	Transducin/WD 4_15921987	5.96	exon
AT4G34410	REDOX RESPONSIVE TRANSCRIPTION FACTOR 1 (RTR1)	encodes a mem 4_16451891	5.96	five_prime_UTR
AT3G51370	na	Protein phosph: 3_19068939	5.95	promoter
AT5G62730	na	Major facilitator 5_25196407	5.95	proximal promoter
AT1G76970	na	Target of Myb p 1_28925414	5.95	promoter
AT1G33055	na	unknown proteir 1_11974094	5.95	proximal promoter
AT1G76980	na	BEST Arabidop: 1_28925414	5.95	intergenic
AT4G28200	na	FUNCTIONS IN 4_13987453	5.95	downstream
AT5G66910	na	Disease resist: 5_26718007	5.95	downstream
AT5G52055	na	transposable elk 5_21150752	5.95	intergenic
AT5G66900	na	Disease resist: 5_26718007	5.95	promoter
AT3G05630	PHOSPHOLIPASE D P2 (PLDP2)	Encodes a mem 3_1635019	5.95	promoter
AT5G23730	REPRESSOR OF UV-B PHOTOMORPHOGENESIS 1 (RUP1)	Encodes REPR 5_8006219	5.95	exon
AT4G28190	ULTRAPETALA1 (ULT1)	Encodes a nove 4_13987453	5.95	downstream
AT3G05480	(RAD9)	Involved in the r 3_1585127	5.94	promoter
AT1G76990	ACT DOMAIN REPEAT 3 (ACR3)	ACT domain rep 1_28931743	5.94	promoter
AT4G14622	CONSERVED PEPTIDE UPSTREAM OPEN READING FRAME 1 (CUPORF1)	Upstream open 4_8391105	5.94	promoter
AT2G42485	na	Unknown gene 2_17691250	5.94	downstream
AT1G30016	na	unknown proteir 1_10521172	5.94	exon
AT2G29065	na	GRAS family tra 2_12484763	5.94	promoter
AT4G14620	na	Protein of unknt 4_8391105	5.94	promoter
AT2G44490	PENETRATION 2 (PEN2)	Encodes a glyci 2_18368990	5.94	intergenic
AT2G25900	(ATCTH)	putative Cys3Hi 2_11040274	5.93	proximal promoter
AT2G30490	CINNAMATE-4-HYDROXYLASE (C4H)	Encodes a cinn: 2_12997458	5.93	proximal promoter
AT3G23830	GLYCINE-RICH RNA-BINDING PROTEIN 1 (GRB1)	encodes a glyci 3_8608244	5.93	promoter
AT3G60400	na	Mitochondrial tri: 3_22326271	5.93	proximal promoter
AT5G62550	na	unknown proteir 5_25108498	5.93	proximal promoter
AT2G30500	NETWORKED 4B (NET4B)	Kinase interacti 2_12997458	5.93	intergenic
AT1G22280	PHYTOCHROME-ASSOCIATED PROTEIN 1 (PHYA1)	Encodes a phyt 1_7872921	5.93	proximal promoter
AT1G06570	PHYTOENE DESATURATION 1 (PDS1)	Mutation of the 1_2013707	5.93	promoter
AT2G45470	FASCICLIN-LIKE ARABINOGALACTAN POLYMERASE 1 (FALP1)	FASCICLIN-like 2_18744220	5.92	promoter
AT2G33580	LYSM-CONTAINING RECEPTOR-LIKE KINASE 1 (LKR1)	Encodes a Lysk 2_14221945	5.92	promoter
AT2G41250	na	Haloacid dehalc 2_17203394	5.92	proximal promoter
AT3G26890	na	unknown proteir 3_9912083	5.92	promoter
AT5G47380	na	Protein of unknt 5_19220961	5.92	intergenic
AT2G33360	na	Protein of unknt 2_14139748	5.92	promoter
AT3G13800	na	Metallo-hydrola: 3_4538009	5.92	proximal promoter
AT5G20050	na	Protein kinase s 5_6774058	5.92	promoter
AT5G56880	na	unknown proteir 5_23010305	5.92	proximal promoter
AT5G39580	na	Peroxidase sup 5_15849173	5.92	promoter
AT5G39581	na	This gene encod 5_15849173	5.92	exon
AT5G56890	na	Protein kinase s 5_23010305	5.92	downstream
AT3G26900	SHIKIMATE KINASE-LIKE 1 (SKL1)	Encodes a prot 3_9912083	5.92	intron
AT5G13820	TELOMERIC DNA BINDING PROTEIN 1 (TDBP1)	Encodes a prot 5_4460646	5.92	promoter
AT1G74700	TRNASE Z1 (TRZ1)	Encodes a prote 1_28065108	5.92	promoter
AT4G00900	ER-TYPE CA2+-ATPASE 2 (ECA2)	Type IIA (SERC 4_386852	5.91	promoter
AT2G47015	MICRORNA408 (MIR408)	Encodes a micr 2_19319539	5.91	promoter
AT2G31130	na	unknown proteir 2_13266681	5.91	promoter
AT2G47010	na	unknown proteir 2_19319539	5.91	downstream
AT1G11090	na	alpha/beta-Hydr 1_3702322	5.91	promoter
AT1G54410	na	dehydrin family 1_20309257	5.91	intergenic
AT2G39980	na	HXXXD-type ac 2_16690077	5.91	promoter
AT4G00300	na	fringe-related pr 4_128561	5.91	intron
AT4G00905	na	NC domain-con 4_386852	5.91	proximal promoter
AT4G16563	na	Eukaryotic aspa 4_9330117	5.91	exon
AT4G16560	na	HSP20-like chai 4_9330117	5.91	proximal promoter
AT4G14150	PHRAGMOPLAST-ASSOCIATED KINESIN II (PAKII)	Microtubule mol 4_8165399	5.91	promoter

AT4G22130	STRUBBELIG-RECEPTOR FAMILY 8 (SR STRUBBELIG-r 4_11720315	5.91	intergenic
AT1G18870	ISOCHORISMATE SYNTHASE 2 (ICS2)	Encodes a prot 1_6512631	5.9 proximal promoter
AT5G08510	na	Pentatricopeptic 5_2753060	5.9 promoter
AT1G51550	na	Kelch repeat-co 1_19119503	5.9 promoter
AT1G51560	na	Pyridoxamine 5' 1_19119503	5.9 downstream
AT2G17295	na	snoRNA; snoRt 2_7520044	5.9 proximal promoter
AT3G50120	na	Plant protein of 3_18585997	5.9 exon
AT4G03280	PHOTOSYNTHETIC ELECTRON TRANSFER	Encodes the Rik 4_1440020	5.9 promoter
AT2G30070	POTASSIUM TRANSPORTER 1 (KT1)	Encodes a high 2_12831157	5.9 intergenic
AT5G52400	CYTOCHROME P450, FAMILY 715, SUBF	member of CYP 5_21274942	5.89 intron
AT1G32240	KANADI 2 (KAN2)	Encodes a merr 1_11628440	5.89 intron
AT3G55850	LONG AFTER FAR-RED 3 (LAF3)	Encodes a prod 3_20725679	5.89 intron
AT3G56050	na	Protein kinase f: 3_20801397	5.89 promoter
AT5G51790	na	basic helix-loop 5_21039524	5.89 promoter
AT5G52410	na	INVOLVED IN: 1_5_21274942	5.89 proximal promoter
AT5G67220	na	FMN-linked oxic 5_26822184	5.89 promoter
AT2G41890	na	curculin-like (m 2_17483507	5.89 intergenic
AT5G48360	na	Actin-binding Ft 5_19595612	5.89 promoter
AT5G52882	na	P-loop containir 5_21437772	5.89 intron
AT3G15510	NAC DOMAIN CONTAINING PROTEIN 2	Note of caution: 3_5239305	5.89 intergenic
AT4G19660	NPR1-LIKE PROTEIN 4 (NPR4)	Encodes a anky 4_10698837	5.89 proximal promoter
AT5G54380	THESEUS1 (THE1)	Encodes THESE1_22080252	5.89 promoter
AT2G22680	WAV3 HOMOLOG 1 (WAVH1)	Zinc finger (C3t 2_9642887	5.89 proximal promoter
AT4G01360	BYPASS 3 (BPS3)	Encodes a prot 4_567052	5.88 intergenic
AT4G31820	ENHANCER OF PINOID (ENP)	A member of th 4_15396163	5.88 proximal promoter
AT2G42590	GENERAL REGULATORY FACTOR 9 (GRF9)	14-3-3 gene. Bir 2_17733954	5.88 five_prime_UTR
AT4G01370	MAP KINASE 4 (MPK4)	Encodes a nucl 4_567052	5.88 promoter
AT1G19710	na	UDP-Glycosyltr: 1_6814453	5.88 promoter
AT2G42600	PHOSPHOENOLPYRUVATE CARBOXYLASE	Encodes one of 2_17733954	5.88 intergenic
AT1G04010	PHOSPHOLIPID STEROL ACYL TRANSFERASE	phospholipid ste 1_1033243	5.88 exon
AT1G54130	RELA/SPOT HOMOLOG 3 (RSH3)	RELA/SPOT ho 1_20209370	5.88 proximal promoter
AT3G19930	SUGAR TRANSPORTER 4 (STP4)	Encodes a suc 3_6934004	5.88 proximal promoter
AT5G57050	ABA INSENSITIVE 2 (ABI2)	Encodes a prot 5_23087408	5.87 five_prime_UTR
AT3G48090	ENHANCED DISEASE SUSCEPTIBILITY	Component of F 3_17757950	5.87 promoter
AT2G17230	EXORDIUM LIKE 5 (EXL5)	EXORDIUM like 2_7493762	5.87 intergenic
AT4G04840	METHIONINE SULFOXIDE REDUCTASE	methionine sulf 4_2448383	5.87 proximal promoter
AT2G25095	MICRORNA156A (MIR156A)	Encodes a micr 2_10676987	5.87 promoter
AT1G74780	na	Nodulin-like / Mi: 1_28095685	5.87 promoter
AT3G55573	na	This gene encod 3_20611415	5.87 exon
AT5G16210	na	HEAT repeat-cc 5_5298035	5.87 promoter
AT5G16220	na	Octicosapeptide 5_5298035	5.87 intergenic
AT5G61570	na	Protein kinase s 5_24757679	5.87 proximal promoter
AT3G19553	POLYAMINE UPTAKE TRANSPORTER 5	Encodes POLY. 3_6793057	5.87 promoter
AT3G24550	PROLINE-RICH EXTENSIN-LIKE RECEPTOR	Encodes a merr 3_8960292	5.87 five_prime_UTR
AT3G24560	RASPBERRY 3 (RSY3)	novel gene invo 3_8960292	5.87 intergenic
AT3G48100	RESPONSE REGULATOR 5 (RR5)	Encodes a trans 3_17757950	5.87 intergenic
AT3G21560	UDP-GLUCOSYL TRANSFERASE 84A2 (UGT84A2)	Encodes a prot 3_7595704	5.87 promoter
AT2G20960	(pEARL14)	pEARL14; CON' 2_9006055	5.86 proximal promoter
AT2G46530	AUXIN RESPONSE FACTOR 11 (ARF11)	auxin response 2_19104518	5.86 promoter
AT1G01380	ENHANCER OF TRY AND CPC 1 (ETC1)	ETC1 is involve 1_146299	5.86 proximal promoter
AT1G29400	MEI2-LIKE PROTEIN 5 (ML5)	A member of m 1_10294729	5.86 promoter
AT1G19980	na	cytomatrix prote 1_6932856	5.86 promoter
AT3G52230	na	unknown proteir 3_19371175	5.86 promoter
AT5G14011	na	This gene encod 5_4523320	5.86 promoter
AT5G17233	na	This gene encod 5_5664277	5.86 downstream
AT1G70990	na	proline-rich fami 1_26768741	5.86 proximal promoter
AT2G20950	na	Arabidopsis phc 2_9006055	5.86 downstream
AT3G24190	na	Protein kinase s 3_8743045	5.86 promoter
AT4G04630	na	Protein of unkn 4_2331936	5.86 three_prime_UTR
AT5G67455	na	pre-tRNA; tRNA 5_26921665	5.86 promoter
AT5G67460	na	O-Glycosyl hydr 5_26921665	5.86 three_prime_UTR
AT5G56550	OXIDATIVE STRESS 3 (OXS3)	Encodes OXID3_5_22896802	5.86 promoter
AT1G49780	PLANT U-BOX 26 (PUB26)	plant U-box 26 (1_18433009	5.86 proximal promoter
AT3G05750	TON1 RECRUITING MOTIF 6 (TRM6)	unknown proteir 3_1703990	5.86 promoter
AT5G46110	ACCLIMATION OF PHOTOSYNTHESIS 1 (ACIP1)	Encodes a chlo 5_18697377	5.85 five_prime_UTR
AT5G48380	BAK1-INTERACTING RECEPTOR-LIKE KINASE 1 (BIK1)	Encodes a BAK 5_19607074	5.85 promoter
AT2G43400	ELECTRON-TRANSFER FLAVOPROTEIN 1 (ETF1)	Encodes a uniq 2_18021119	5.85 promoter
AT3G05670	na	RING/U-box prc 3_1653130	5.85 promoter
AT1G18382	na	Potential natura 1_6324782	5.85 intergenic
AT1G18390	na	Protein kinase s 1_6324782	5.85 proximal promoter
AT3G27770	na	unknown proteir 3_10287809	5.85 promoter
AT3G11590	na	unknown proteir 3_3656694	5.85 intergenic
AT4G00500	na	alpha/beta-Hydr 4_227533	5.85 promoter
AT4G00520	na	Acyl-CoA thioes 4_227533	5.85 promoter
AT4G28180	na	unknown proteir 4_13983868	5.85 promoter
AT4G28181	na	This gene encod 4_13983868	5.85 downstream
AT1G80110	PHLOEM PROTEIN 2-B11 (PP2-B11)	phloem proteir : 1_30135256	5.85 promoter
AT2G32940	ARGONAUTE 6 (AGO6)	Encodes a nucl 2_13977836	5.84 promoter
AT2G32950	CONSTITUTIVE PHOTOMORPHOGENIC 1 (CP1)	Represses phot 2_13977836	5.84 promoter
AT1G29980	na	INVOLVED IN: 1_1_10504237	5.84 exon
AT5G37850	SALT OVERLY SENSITIVE 4 (SOS4)	Encodes a pyric 5_15065264	5.84 promoter
AT5G16370	ACYL ACTIVATING ENZYME 5 (AAE5)	acyl activating e 5_5356529	5.83 downstream
AT2G22670	INDOLEACETIC ACID-INDUCED PROTEIN 1 (IAA1)	IAA8 (IAA8) qer 2_9635351	5.83 proximal promoter
AT1G07520	na	GRAS family tra 1_2312247	5.83 promoter
AT1G32740	na	SBP (S-ribonuci 1_11846032	5.83 exon
AT1G68585	na	unknown proteir 1_25756529	5.83 promoter
AT1G68580	na	agenet domain- 1_25756529	5.83 intergenic
AT3G51980	na	ARM repeat sup 3_19287791	5.83 promoter
AT3G51990	na	Protein kinase s 3_19287791	5.83 promoter
AT3G46540	na	ENTH/VHS fam 3_17133487	5.83 intergenic
AT5G14370	na	CCT motif famil 5_4630143	5.83 intergenic
AT5G14360	na	Ubiquitin-like su 5_4630143	5.83 proximal promoter
AT5G16360	na	NC domain-con 5_5356529	5.83 promoter
AT1G68590	PLASTID-SPECIFIC RIBOSOMAL PROTEIN 1 (PRP1)	Ribosomal prote 1_25756529	5.83 intergenic

AT3G46530	RECOGNITION OF PERONOSPORA PAF	Confers resistar 3_17133487	5.83	promoter
AT2G30880	(SWAP70)	Pleckstrin homc 2_13146052	5.82	promoter
AT1G33980	(UPF3)	Involved in mRN 1_12355743	5.82	intergenic
AT1G59640	BIG PETAL P (BPEP)	A basic helix-lox 1_21911425	5.82	promoter
AT3G11550	CASPARIAN STRIP MEMBRANE DOMAII	Uncharacterise 3_3639371	5.82	downstream
AT3G49620	DARK INDUCIBLE 11 (DIN11)	encodes a prote 3_18393147	5.82	proximal promoter
AT3G52770	LITTLE ZIPPER 3 (ZPR3)	ZPR3 is a small 3_19559217	5.82	promoter
AT1G33990	METHYL ESTERASE 14 (MES14)	Encodes a prote 1_12355743	5.82	five_prime_UTR
AT4G22240	na	Plastid-lipid ass 4_11767474	5.82	promoter
AT4G22250	na	RING/U-box suj 4_11767474	5.82	downstream
AT3G60930	na	transposable elk 3_22513918	5.82	promoter
AT1G29290	na	unknown protei 1_10243620	5.82	proximal promoter
AT1G04650	na	unknown protei 1_1299514	5.82	proximal promoter
AT1G62045	na	BEST Arabidop: 1_22936871	5.82	proximal promoter
AT1G62050	na	Ankyrin repeat f 1_22936871	5.82	intron
AT3G11560	na	LETM1-like prot 3_3639371	5.82	promoter
AT4G34360	na	S-adenosyl-L-m 4_16431469	5.82	promoter
AT1G33060	NAC 014 (NAC014)	NAC 014 (NAC) 1_11978699	5.82	promoter
AT2G33870	RAB GTPASE HOMOLOG A1H (ArRABA1	RAB GTPase hr 2_14336860	5.82	intergenic
AT3G21090	ATP-BINDING CASSETTE G15 (ABCG15	ABC-2 type tran 3_7395152	5.81	promoter
AT2G39800	DELTA1-PYRROLINE-5-CARBOXYLATE	encodes a delta 2_16603221	5.81	five_prime_UTR
AT1G68050	FLAVIN-BINDING, KELCH REPEAT, F BC	Encodes FKF1, 1_25508475	5.81	promoter
AT1G69800	na	Cystathionine bi 1_26276330	5.81	promoter
AT1G74510	na	Galactose oxid: 1_28005205	5.81	promoter
AT4G28703	na	RmlC-like cupin 4_14165752	5.81	proximal promoter
AT1G70250	na	Encodes a Prot 1_26451139	5.81	proximal promoter
AT3G18990	REDUCED VERNALIZATION RESPONSE	Required for vei 3_6551932	5.81	promoter
AT2G30440	THYLAKOID PROCESSING PEPTIDE (TF	Encodes a thyla 2_12972871	5.81	promoter
AT3G46590	TRF-LIKE 1 (TRFL1)	Encodes a prote 3_17152615	5.81	promoter
AT1G70230	TRICHOME BIREFRINGENCE-LIKE 27 (T	Encodes a merr 1_26451139	5.81	exon
AT1G45249	ABSCISIC ACID RESPONSIVE ELEMENT	Leucine zipper 1_17169162	5.8	proximal promoter
AT2G44810	DEFECTIVE ANTHR DEHISCENCE 1 (D	Mutant has defe 2_18478013	5.8	proximal promoter
AT5G06710	HOMEBOX FROM ARABIDOPSIS THAL	Homeobox-leuc 5_2070803	5.8	promoter
AT4G10340	LIGHT HARVESTING COMPLEX OF PHC	photosystem II 4_6407934	5.8	promoter
AT2G45360	na	Protein of unkn 2_18699245	5.8	exon
AT1G45170	na	unknown protei 1_17098096	5.8	promoter
AT2G44798	na	Potential natura 2_18465103	5.8	intergenic
AT2G44800	na	2-oxoglutarate (2_18465103	5.8	proximal promoter
AT4G10330	na	glycine-rich prot 4_6407934	5.8	downstream
AT4G00430	PLASMA MEMBRANE INTRINSIC PROTE	a member of the 4_189153	5.8	proximal promoter
AT1G24400	LYSINE HISTIDINE TRANSPORTER 2 (LH	High-affinity trar 1_8653830	5.79	promoter
AT4G15760	MONOOXYGENASE 1 (MO1)	Encodes a prote 4_8974631	5.79	five_prime_UTR
AT1G22680	na	unknown protei 1_8026544	5.79	promoter
AT2G33500	na	B-box type zinc 2_14190273	5.79	promoter
AT4G15765	na	FAD/NAD(P)-bi 4_8974631	5.79	intergenic
AT5G10946	na	unknown protei 5_3457587	5.79	promoter
AT5G60390	na	GTP binding Elc 5_24292214	5.79	intergenic
AT5G60400	na	unknown protei 5_24292214	5.79	promoter
AT2G41900	OXIDATIVE STRESS 2 (OXS2)	CCCH-type zinc 2_17485471	5.79	intergenic
AT2G38170	CATION EXCHANGER 1 (CAX1)	Encodes a high 2_15991966	5.78	intron
AT2G17570	na	Undecaprenyl p 2_7643903	5.78	promoter
AT5G46295	na	unknown protei 5_18777590	5.78	intergenic
AT1G72140	na	Major facilitator 1_27140955	5.78	proximal promoter
AT4G24110	na	unknown protei 4_12523631	5.78	proximal promoter
AT5G03700	na	D-mannose bin 5_968822	5.78	proximal promoter
AT4G32050	na	neurochondrin f 4_15501024	5.78	downstream
AT4G32060	na	calcium-binding 4_15501024	5.78	promoter
AT4G18140	SCP1-LIKE SMALL PHOSPHATASE 4B (S	Encodes a SCP 4_10049596	5.78	promoter
AT3G61740	SET DOMAIN PROTEIN 14 (SDG14)	SET domain prc 3_22857179	5.78	promoter
AT4G24120	YELLOW STRIPE LIKE 1 (YSL1)	Member of a sr 4_12523631	5.78	proximal promoter
AT1G04610	YUCCA 3 (YUC3)	YUCCA 3 (YUC 1_1274215	5.78	intergenic
AT1G70410	BETA CARBONIC ANHYDRASE 4 (BCA4	Encodes a puta 1_26539066	5.77	proximal promoter
AT4G27820	BETA GLUCOSIDASE 9 (BGLU9)	beta glucosidas 4_13860836	5.77	promoter
AT5G43100	na	Eukaryotic aspa 5_17299078	5.77	promoter
AT3G28200	na	Peroxidase sup 3_10518040	5.77	promoter
AT1G29660	na	GDSL-like Lipas 1_10368809	5.77	intergenic
AT4G30350	na	Double Clp-N m 4_14844524	5.77	intergenic
AT5G09960	na	FUNCTIONS IN 5_3106209	5.77	promoter
AT5G22270	na	unknown protei 5_7371999	5.77	downstream
AT5G47910	RESPIRATORY BURST OXIDASE HOMO	NADPH/respiral 5_19399200	5.77	intron
AT1G47128	ESPONSIVE TO DEHYDRATION 21A (RC	cysteine protein 1_17288453	5.76	proximal promoter
AT1G07430	HIGHLY ABA-INDUCED PP2C GENE 2 (H	highly ABA-indu 1_2283071	5.76	promoter
AT4G17560	na	Ribosomal prote 4_9780038	5.76	promoter
AT5G53270	na	Seed maturatio 5_21607332	5.76	promoter
AT2G03280	na	O-fucosyltransf 2_998369	5.76	promoter
AT2G28507	na	unknown protei 2_12196893	5.76	intergenic
AT2G38500	na	2-oxoglutarate (2_16119307	5.76	promoter
AT3G17100	na	sequence-speci 3_5833209	5.76	intergenic
AT3G52520	na	unknown protei 3_19472812	5.76	proximal promoter
AT4G28085	na	unknown protei 4_13959385	5.76	proximal promoter
AT5G14330	na	unknown protei 5_4621088	5.76	proximal promoter
AT5G53280	PLASTID DIVISION1 (PDV1)	An integral oute 5_21607332	5.76	promoter
AT1G49600	RNA-BINDING PROTEIN 47A (RBP47A)	RNA-binding pri 1_18357749	5.76	intron
AT3G18370	(ATSYTF)	ATSYTF; FUNC 3_6304821	5.75	proximal promoter
AT3G48870	(HSP93-III)	Encodes a nucl 3_18126662	5.75	intron
AT1G69410	EUKARYOTIC ELONGATION FACTOR 5/	Encodes eIF5A- 1_26091065	5.75	intergenic
AT1G03475	LESION INITIATION 2 (LIN2)	Encodes copro: 1_868915	5.75	downstream
AT5G17920	METHIONINE SYNTHESIS 1 (ATMS1)	Encodes a cyto: 5_5939635	5.75	downstream
AT1G11700	na	Protein of unkn 1_3945116	5.75	proximal promoter
AT5G43870	na	FUNCTIONS IN 5_17635964	5.75	promoter
AT1G69420	na	DHHC-type zinc 1_26091065	5.75	proximal promoter
AT5G12440	na	CCCH-type zinc 5_4039505	5.75	intron
AT5G12450	na	FBD-like domai 5_4039505	5.75	proximal promoter
AT3G16990	na	Haem oxygenas 3_5796992	5.75	promoter

AT3G48880	na	RNI-like superfa 3_18126662	5.75	promoter
AT1G03470	NETWORKED 3A (NET3A)	Encodes a merr 1_868915	5.75	proximal promoter
AT2G34420	PHOTOSYSTEM II LIGHT HARVESTING I	Photosystem II l 2_14523666	5.75	promoter
AT4G00430	PLASMA MEMBRANE INTRINSIC PROTEIN	a member of the 4_186332	5.75	intron
AT3G17000	UBIQUITIN-CONJUGATING ENZYME 32	ubiquitin-conjug 3_5796992	5.75	promoter
AT4G34160	CYCLIN D3:1 (CYCD3:1)	encodes a cyclin 4_16355001	5.74	proximal promoter
AT3G26210	CYTOCHROME P450, FAMILY 71, SUBFAMILY	putative cytochr 3_9595985	5.74	proximal promoter
AT3G26220	CYTOCHROME P450, FAMILY 71, SUBFAMILY	cytochrome P4f 3_9595985	5.74	downstream
AT4G00820	IQ-DOMAIN 17 (iqd17)	IQ-domain 17 (i 4_349077	5.74	promoter
AT1G73500	MAP KINASE KINASE 9 (MKK9)	member of MAF 1_27641855	5.74	proximal promoter
AT5G13760	na	Plasma-membr 5_4445305	5.74	intergenic
AT5G13770	na	Pentatricopeptic 5_4445305	5.74	promoter
AT4G31000	na	Calmodulin-binc 4_15103030	5.74	promoter
AT1G70200	na	RNA-binding (R 1_26434960	5.74	proximal promoter
AT1G78210	na	alpha/beta-Hydr 1_29424933	5.74	proximal promoter
AT2G21520	na	Sec14p-like phc 2_9215139	5.74	promoter
AT4G34140	na	D111/G-patch c 4_16355001	5.74	intergenic
AT4G20040	na	Pectin lyase-like 4_10850185	5.74	proximal promoter
AT4G27560	na	UDP-Glycosyltr 4_13761885	5.74	promoter
AT4G34150	na	Calcium-depend 4_16355001	5.74	five_prime_UTR
AT4G30996	NA(+)- AND K(+)-SENSITIVE 1 (NKS1)	NKS1, a plant-s 4_15103030	5.74	intergenic
AT2G01180	PHOSPHATIDIC ACID PHOSPHATASE 1	Encodes phosph 2_108843	5.74	promoter
AT4G20050	QUARTET 3 (QRT3)	Encodes a poly 4_10850185	5.74	exon
AT1G53390	ATP-BINDING CASSETTE G24 (ABCG24)	P-loop containir 1_19916686	5.73	proximal promoter
AT1G14350	FOUR LIPS (FLP)	Encodes a puta 1_4906954	5.73	proximal promoter
AT3G28920	HOMEODOMAIN PROTEIN 34 (HB34)	homeobox prote 3_10941960	5.73	promoter
AT1G04810	na	26S proteasom 1_1355758	5.73	intergenic
AT3G62000	na	S-adenosyl-L-m 3_22962144	5.73	proximal promoter
AT1G53380	na	Plant protein of 1_19916686	5.73	promoter
AT2G27830	na	unknown protei 2_11859541	5.73	proximal promoter
AT5G56240	na	INVOLVED IN: 5_22764474	5.73	five_prime_UTR
AT2G27820	PREPHENATE DEHYDRATASE 1 (PD1)	Encodes a plasi 2_11859541	5.73	intergenic
AT1G13260	RELATED TO ABI3/VP1 1 (RAV1)	Encodes an AP_ 1_4540813	5.73	proximal promoter
AT1G71880	SUCROSE-PROTON SYMPORTER 1 (SUCP1)	Sucrose transp 1_27054007	5.73	promoter
AT1G04820	TUBULIN ALPHA-4 CHAIN (TUA4)	Encodes an alp 1_1355758	5.73	intergenic
AT3G21781	na	Potential natura 3_7675860	5.72	promoter
AT2G22530	na	Alkaline-phosph 2_9577670	5.72	promoter
AT1G22250	na	unknown protei 1_7858793	5.72	promoter
AT1G15530	na	Concanavalin A 1_5342112	5.72	promoter
AT5G57480	na	P-loop containir 5_23283348	5.72	proximal promoter
AT5G06270	na	unknown protei 5_1914572	5.72	intergenic
AT1G50420	SCARECROW-LIKE 3 (SCL3)	Encodes a scar 1_18681048	5.72	proximal promoter
AT3G21780	UDP-GLUCOSYL TRANSFERASE 71B6 (UGT71B6)	Encodes a prote 3_7675860	5.72	exon
AT5G57490	VOLTAGE DEPENDENT ANION CHANNEL 1 (VDAC1)	Encodes a volta 5_23283348	5.72	intergenic
AT4G24280	CHLOROPLAST HEAT SHOCK PROTEIN 17 (HSP17)	Involved in prot 4_12594170	5.71	intergenic
AT3G01472	CONSERVED PEPTIDE UPSTREAM OPEN READING FRAME 1 (CUP1)	Upstream open 3_182955	5.71	three_prime_UTR
AT3G01070	EARLY NODULIN-LIKE PROTEIN 16 (ENL1)	early nodulin-lk 3_20881	5.71	downstream
AT5G04140	GLUTAMATE SYNTHASE 1 (GLU1)	Encodes a gene 5_1129746	5.71	promoter
AT3G01470	HOMEODOMAIN 1 (HB-1)	Encodes a hom 3_182955	5.71	three_prime_UTR
AT2G20370	MURUS 3 (MUR3)	Encodes a xylo 2_8791837	5.71	promoter
AT1G15405	na	Unknown gene 1_5297848	5.71	downstream
AT2G34250	na	SecY protein tra 2_14462050	5.71	promoter
AT3G47830	na	DNA glycosylas 3_17646384	5.71	proximal promoter
AT3G61198	na	Unknown gene 3_22655288	5.71	intergenic
AT4G24290	na	MAC/Perforin di 4_12594170	5.71	promoter
AT3G63200	PATATIN-LIKE PROTEIN 9 (PLP9)	PATATIN-like pi 3_23347351	5.71	exon
AT1G63090	PHLOEM PROTEIN 2-A11 (PP2-A11)	phloem protein : 1_23395453	5.71	proximal promoter
AT3G47820	PLANT U-BOX 39 (PUB39)	PLANT U-BOX 3_17646384	5.71	downstream
AT4G17870	PYRABACTIN RESISTANCE 1 (PYR1)	Encodes a merr 4_9930403	5.71	intergenic
AT3G19820	DWARF 1 (DWF1)	Involved in the r 3_6882206	5.7	intron
AT4G13050	na	Acyl-ACP thioes 4_7617574	5.7	five_prime_UTR
AT1G17090	na	unknown protei 1_5844341	5.7	promoter
AT1G17100	na	SOUL heme-bir 1_5844341	5.7	promoter
AT1G27350	na	Ribosome asso 1_9499597	5.7	promoter
AT2G24165	na	pseudogene, sii 2_10272614	5.7	downstream
AT3G04920	na	Ribosomal prote 3_1358594	5.7	proximal promoter
AT3G27400	na	Pectin lyase-like 3_10141076	5.7	intron
AT1G32060	PHOSPHORIBULOKINASE (PRK)	phosphoribuloki 1_11531991	5.7	proximal promoter
AT1G32050	SECRETORY CARRIER MEMBRANE PROTEIN 1 (SCAMP1)	SCAMP family r 1_11531991	5.7	intergenic
AT3G04910	WITH NO LYSINE (K) KINASE 1 (WLNK1)	Serine/threonine 3_1358594	5.7	intergenic
AT4G34000	ABSCISIC ACID RESPONSIVE ELEMENT 1 (ARE1)	Encodes an AB_ 4_16295276	5.69	promoter
AT5G62940	HIGH CAMBIAL ACTIVITY2 (HCA2)	HCA2 induces t 5_25259322	5.69	proximal promoter
AT1G67900	na	Phototropic-resi 1_25466745	5.69	intron
AT1G71070	na	Core-2/l-branch 1_26809634	5.69	promoter
AT1G71080	na	RNA polymeras 1_26809634	5.69	downstream
AT2G30100	na	pentatricopeptic 2_12847372	5.69	promoter
AT5G10455	na	pre-tRNA; tRNA 5_3287686	5.69	promoter
AT5G10460	na	Haloacid dehalc 5_3287686	5.69	promoter
AT4G18760	RECEPTOR LIKE PROTEIN 51 (RLP51)	receptor like prc 4_10309565	5.69	promoter
AT4G14030	SELENIUM-BINDING PROTEIN 1 (SBP1)	selenium-bindin 4_8100507	5.69	promoter
AT4G14040	SELENIUM-BINDING PROTEIN 2 (SBP2)	selenium-bindin 4_8100507	5.69	three_prime_UTR
AT5G20490	(XIK)	Encodes a merr 5_6937874	5.68	promoter
AT4G38460	GERANYLGERANYL REDUCTASE (GGR)	geranylgeranyl i 4_17996035	5.68	three_prime_UTR
AT1G76490	HYDROXY METHYLGLUTARYL COA RECEPTOR 1 (HMGCR1)	Encodes a 3-hy 1_28699598	5.68	intergenic
AT5G14545	MICRORNA398B (MIR398B)	Encodes a micr 5_4690709	5.68	promoter
AT5G13950	na	unknown protei 5_4495792	5.68	downstream
AT5G13940	na	aminopeptidase 5_4495792	5.68	promoter
AT3G02620	na	Plant stearoyl-a 3_561850	5.68	three_prime_UTR
AT3G02630	na	Plant stearoyl-a 3_561850	5.68	promoter
AT3G07170	na	Sterile alpha mc 3_2280090	5.68	promoter
AT5G14550	na	Core-2/l-branch 5_4690709	5.68	intergenic
AT5G14540	na	FUNCTIONS IN 5_4690709	5.68	proximal promoter
AT5G20500	na	Glutaredoxin far 5_6937874	5.68	proximal promoter
AT3G12200	NIMA-RELATED KINASE 7 (Nek7)	Encodes AtNek 3_3890843	5.68	intron

AT4G34410	REDOX RESPONSIVE TRANSCRIPTION	encodes a mem	4_16449844	5.68	proximal promoter
AT1G67400	na	ELMO/CED-12	1_25249933	5.67	intron
AT5G18610	na	Protein kinase s	5_6189628	5.67	proximal promoter
AT5G46170	na	F-box family prc	5_18716981	5.67	promoter
AT3G27845	na	pre-tRNA; tRNA	3_10324713	5.67	downstream
AT5G41401	na	This gene encod	5_16572144	5.67	exon
AT4G36010	na	Pathogenesis-rr	4_17039577	5.67	exon
AT4G22200	POTASSIUM TRANSPORT 2/3 (KT2/3)	Encodes AKT2,	4_11750301	5.67	five_prime_UTR
AT3G27850	RIBOSOMAL PROTEIN L12-C (RPL12-C)	50S ribosomal r	3_10324713	5.67	promoter
AT2G26770	STOMATAL CLOSURE-RELATED ACTIN	Encodes a plan	2_11408516	5.67	promoter
AT3G11415	na	na	3_3589489	5.66	exon
AT3G47610	na	transcription rec	3_17547141	5.66	proximal promoter
AT3G50550	na	unknown protei	3_18760876	5.66	intergenic
AT3G50560	na	NAD(P)-binding	3_18760876	5.66	downstream
AT1G51090	na	Heavy metal tra	1_18932694	5.66	promoter
AT3G61820	na	Eukaryotic aspa	3_22881944	5.66	promoter
AT3G61825	na	pre-tRNA; tRNA	3_22881944	5.66	downstream
AT5G59450	na	GRAS family tra	5_23974604	5.66	promoter
AT4G35930	F-BOX STRESS INDUCED 4 (FBS4)	F-box family prc	4_17021303	5.65	intergenic
AT3G24520	HEAT SHOCK TRANSCRIPTION FACTOR	member of Heat	3_8941247	5.65	five_prime_UTR
AT4G11820	HYDROXYMETHYLGLUTARYL-COA SYN	Encodes a prote	4_7112523	5.65	promoter
AT1G15580	INDOLE-3-ACETIC ACID INDUCIBLE 5 (I	auxin induced p	1_5366683	5.65	promoter
AT2G43290	MULTICOPY SUPPRESSORS OF SNF4 (	Encodes calmo	2_17993784	5.65	proximal promoter
AT5G11460	na	Protein of unkn	5_3661984	5.65	intergenic
AT1G27050	na	Encodes a prote	1_9393541	5.65	promoter
AT4G35940	na	unknown protei	4_17021303	5.65	promoter
AT2G47890	na	B-box type zinc	2_19608051	5.65	five_prime_UTR
AT3G24518	na	Potential natura	3_8941247	5.65	five_prime_UTR
AT3G06770	na	Pectin lyase-like	3_2137524	5.65	promoter
AT4G14743	na	pseudogene, hy	4_8459437	5.65	proximal promoter
AT4G11990	na	Cell cycle regul	4_7190047	5.65	promoter
AT4G16442	na	Uncharacterise	4_9274296	5.65	proximal promoter
AT4G16444	na	FUNCTIONS IN	4_9274296	5.65	downstream
AT2G38120	AUXIN RESISTANT 1 (AUX1)	Encodes an aux	2_15969738	5.64	intergenic
AT5G54150	na	unknown protei	5_21979825	5.64	proximal promoter
AT1G25480	na	Aluminium activ	1_8947602	5.64	proximal promoter
AT1G79040	PHOTOSYSTEM II SUBUNIT R (PSBR)	Encodes for the	1_29735811	5.64	promoter
AT1G53230	TEOSINTE BRANCHED 1, CYCLOIDEA A	Encodes a mem	1_19853432	5.64	proximal promoter
AT3G26420	(ATRZ-1A)	Zinc finger-cont	3_9676482	5.63	intergenic
AT3G61050	(NTMC2T4)	Encodes a nove	3_22601834	5.63	intergenic
AT5G21920	(YLMG2)	YLMG2; FUNC	5_7242931	5.63	promoter
AT3G51860	CATION EXCHANGER 3 (CAX3)	cation exchange	3_19240113	5.63	intron
AT4G30340	DIACYLGLYCEROL KINASE 7 (DGK7)	encodes a diacy	4_14843771	5.63	proximal promoter
AT2G47585	MICRORNA164A (MIR164A)	Encodes a micr	2_19519355	5.63	proximal promoter
AT3G26440	na	Protein of unkn	3_9676482	5.63	promoter
AT3G26430	na	GDSL-like Lipa	3_9676482	5.63	intergenic
AT1G48430	na	Dihydroxyaceto	1_17906973	5.63	promoter
AT1G48440	na	B-cell receptor-	1_17906973	5.63	promoter
AT1G13880	na	ELM2 domain-c	1_4748809	5.63	promoter
AT3G02832	na	na	3_617527	5.63	downstream
AT3G62240	na	RING/U-box su	3_23036944	5.63	promoter
AT3G62245	na	pre-tRNA; tRNA	3_23036944	5.63	exon
AT5G38520	na	alpha/beta-Hydr	5_15423594	5.63	downstream
AT5G21930	P-TYPE ATPASE OF ARABIDOPSIS 2 (P)	P-Type ATPase	5_7242931	5.63	promoter
AT3G61060	PHLOEM PROTEIN 2-A13 (PP2-A13)	phloem protein :	3_22601834	5.63	proximal promoter
AT5G38530	TRYPTOPHAN SYNTHASE BETA TYPE 2	TSBtype2 encod	5_15423594	5.63	promoter
AT3G62250	UBIQUITIN 5 (UBQ5)	ubiquitin 5 (UB	3_23036944	5.63	promoter
AT3G02830	ZINC FINGER PROTEIN 1 (ZFN1)	Encodes a zinc	3_617527	5.63	intergenic
AT3G12740	ALA-INTERACTING SUBUNIT 1 (ALIS1)	Physically inter	3_4049376	5.62	promoter
AT5G46690	BETA HLH PROTEIN 71 (bHLH071)	beta HLH protei	5_18947104	5.62	intron
AT5G27420	CARBON/NITROGEN INSENSITIVE 1 (CN	Encodes CNH1 (	5_9683910	5.62	promoter
AT3G01370	CRM FAMILY MEMBER 2 (CFM2)	Encodes a prote	3_138891	5.62	promoter
AT5G14570	HIGH AFFINITY NITRATE TRANSPORTE	Encodes ATNR	5_4695768	5.62	exon
AT3G13405	MICRORNA169A (MIR169A)	Encodes a micr	3_4360159	5.62	proximal promoter
AT5G14565	MICRORNA398C (MIR398C)	Encodes a micr	5_4695768	5.62	exon
AT3G01360	na	Family of unkn	3_138891	5.62	promoter
AT1G67880	na	beta-1,4-N-acet	1_25455787	5.62	promoter
AT1G09310	na	Protein of unkn	1_3008495	5.62	proximal promoter
AT3G57210	na	Protein of unkn	3_21174385	5.62	promoter
AT3G57220	na	Glycosyl transfe	3_21174385	5.62	promoter
AT4G14420	na	HR-like lesion-ir	4_8303929	5.62	promoter
AT3G18780	ACTIN 2 (ACT2)	Encodes an act	3_6474724	5.61	promoter
AT2G39990	EUKARYOTIC TRANSLATION INITIATION	translation initia	2_16696886	5.61	intergenic
AT1G79840	GLABRA 2 (GL2)	Glabra 2, a hor	1_30036740	5.61	promoter
AT4G37740	GROWTH-REGULATING FACTOR 2 (GR	Growth regulatir	4_17730917	5.61	intergenic
AT1G06390	GSK3/SHAGGY-LIKE PROTEIN KINASE	encodes a GSK	1_1946797	5.61	five_prime_UTR
AT1G18570	MYB DOMAIN PROTEIN 51 (MYB51)	Encodes a mem	1_6391034	5.61	three_prime_UTR
AT5G57610	na	Protein kinase s	5_23324565	5.61	promoter
AT3G06125	na	Unknown gene	3_1848775	5.61	promoter
AT3G18779	na	unknown protei	3_6474724	5.61	promoter
AT3G32389	na	transposable elk	3_13330926	5.61	proximal promoter
AT1G01830	na	ARM repeat sur	1_301054	5.61	intron
AT2G42300	na	basic helix-loop	2_17624239	5.61	intron
AT2G42310	na	unknown protei	2_17624239	5.61	proximal promoter
AT2G21220	na	SAUR-like auxi	2_9090362	5.61	intergenic
AT2G42040	na	CONTAINS Inte	2_17544284	5.61	intron
AT4G39160	na	Homeodomain-l	4_18236271	5.61	promoter
AT5G15990	na	transposable elk	5_5216061	5.61	proximal promoter
AT5G64505	na	pre-tRNA; tRNA	5_25784269	5.61	downstream
AT2G01500	PRETTY FEW SEEDS 2 (PFS2)	PFS2 encodes :	2_227204	5.61	proximal promoter
AT3G23820	UDP-D-GLUCURONATE 4-EPIMERASE (	UDP-D-glucuroi	3_8597282	5.61	intergenic
AT1G24625	ZINC FINGER PROTEIN 7 (ZFP7)	Encodes a zinc	1_8727830	5.61	proximal promoter
AT2G44740	CYCLIN P4;1 (CYCP4;1)	cyclin p4;1 (CY	2_18445009	5.61	proximal promoter
AT1G17220	FU-GAERI1 (FUG1)	Encodes a chloi	1_5884907	5.6	promoter

AT1G17210	IAP-LIKE PROTEIN 1 (ILP1)	IAP-like protein	1_5884907	5.6	promoter
AT1G77690	LIKE AUX1 3 (LAX3)	Encodes an aux	1_29203514	5.6	promoter
AT3G52510	na	F-box associate	3_19469277	5.6	intergenic
AT5G61530	na	small G protein	5_24741977	5.6	promoter
AT1G09440	na	Protein kinase s	1_3047564	5.6	intron
AT3G13440	na	S-adenosyl-L-m	3_4379755	5.6	downstream
AT2G28150	na	FUNCTIONS IN	2_11999782	5.6	promoter
AT3G46610	na	Pentatricopeptic	3_17163371	5.6	proximal promoter
AT4G36550	na	ARM repeat sur	4_17248595	5.6	promoter
AT1G22530	PATELLIN 2 (PATL2)	PATELLIN 2 (P	1_7958494	5.6	promoter
AT5G08590	SNF1-RELATED PROTEIN KINASE 2.1 (S	Encodes a merr	5_2783235	5.6	promoter
AT3G13445	TATA BINDING PROTEIN 1 (TBP1)	TBP (TATA binc	3_4379755	5.6	promoter
AT1G45130	BETA-GALACTOSIDASE 5 (BGAL5)	beta-galactosid	1_17062567	5.59	proximal promoter
AT2G28260	CYCLIC NUCLEOTIDE-GATED CHANNEL	member of Cycl	2_12049939	5.59	promoter
AT5G54500	FLAVODOXIN-LIKE QUINONE REDUCTA	Encodes a flaviv	5_22124356	5.59	promoter
AT4G23050	na	PAS domain-co	4_12079847	5.59	promoter
AT2G40640	na	RING/U-box suj	2_16963223	5.59	promoter
AT2G40650	na	PRP38 family pi	2_16963223	5.59	downstream
AT1G79030	na	Chaperone Dna	1_29734460	5.59	proximal promoter
AT3G16180	na	Major facilitator	3_5483815	5.59	intron
AT4G13530	na	unknown proteir	4_7866608	5.59	promoter
AT4G35300	TONOPLAST MONOSACCHARIDE TRAN	tonoplast mono	4_16799772	5.59	intron
AT2G31230	ETHYLENE-RESPONSIVE ELEMENT BIN	encodes a mem	2_13307731	5.58	promoter
AT5G49300	GATA TRANSCRIPTION FACTOR 16 (GA	Encodes a merr	5_19985850	5.58	promoter
AT1G30135	JASMONATE-ZIM-DOMAIN PROTEIN 8 (	jasmonate-zim-	1_10596384	5.58	promoter
AT1G62035	MICRORNA171C (MIR171C)	Encodes a micr	1_22931493	5.58	proximal promoter
AT3G48240	na	Octicosapeptide	3_17868260	5.58	three_prime_UTR
AT4G33540	na	metallo-beta-lac	4_16130616	5.58	promoter
AT1G11410	na	S-locus lectin pi	1_3841097	5.58	promoter
AT3G20260	na	FUNCTIONS IN	3_7066783	5.58	promoter
AT3G01310	na	Phosphoglycer	3_102005	5.58	promoter
AT5G46710	na	PLATZ transcrip	5_18954705	5.58	promoter
AT3G46030	(HTB11)	HTB11; FUNCT	3_16914364	5.57	promoter
AT5G01550	LECTIN RECEPTOR KINASE A4.1 (LECR	Encodes LecRk	5_218014	5.57	proximal promoter
AT5G01560	LECTIN RECEPTOR KINASE A4.3 (LECR	Encodes LecRk	5_218014	5.57	downstream
AT3G14810	MECHANOSENSITIVE CHANNEL OF SM	mechanosensiti	3_4976085	5.57	proximal promoter
AT3G09670	na	Tudor/PWWP/M	3_2966350	5.57	promoter
AT2G40980	na	Protein kinase s	2_17101455	5.57	proximal promoter
AT3G46020	na	RNA-binding (R	3_16914364	5.57	proximal promoter
AT4G38480	na	Transducin/WD	4_18003809	5.57	promoter
AT3G46040	RIBOSOMAL PROTEIN S15A D (RPS15A	Regulated by Tl	3_16914364	5.57	promoter
AT1G12950	ROOT HAIR SPECIFIC 2 (RSH2)	root hair specifi	1_4419242	5.57	proximal promoter
AT4G38470	SERINE/THREONINE/TYROSINE KINASE	ACT-like proteir	4_18003809	5.57	downstream
AT1G14000	VH1-INTERACTING KINASE (VIK)	Encodes a prot	1_4796805	5.57	proximal promoter
AT5G45010	DSS1 HOMOLOG ON CHROMOSOME V	DSS1 homolog	5_18168492	5.56	promoter
AT3G62660	GALACTURONOSYLTRANSFERASE-LIK	Encodes a prot	3_23175674	5.56	intergenic
AT1G73390	na	Endosomal targ	1_27596180	5.56	proximal promoter
AT4G02055	na	pre-tRNA; tRNA	4_901240	5.56	exon
AT5G65650	na	Protein of unkn	5_26242199	5.56	intergenic
AT2G01840	na	transposable elk	2_379138	5.56	proximal promoter
AT2G39710	na	Encodes a Cyst	2_16561560	5.56	downstream
AT4G02060	PROLIFERA (PRL)	Member of the r	4_901240	5.56	exon
AT4G02050	SUGAR TRANSPORTER PROTEIN 7 (ST	sugar transport	4_901240	5.56	promoter
AT2G40610	EXPANSIN A8 (EXPA8)	member of Alph	2_16951092	5.55	proximal promoter
AT1G75680	GLYCOSYL HYDROLASE 9B7 (GH9B7)	glycosyl hydrola	1_28420000	5.55	promoter
AT3G10920	MANGANESE SUPEROXIDE DISMUTASI	manganese sup	3_3417889	5.55	promoter
AT4G26542	na	Potential natura	4_13393575	5.55	proximal promoter
AT1G01800	na	NAD(P)-binding	1_293099	5.55	promoter
AT1G52780	na	Protein of unkn	1_19658092	5.55	proximal promoter
AT3G08030	na	Protein of unkn	3_2564046	5.55	five_prime_UTR
AT3G10915	na	Reticulon family	3_3417889	5.55	promoter
AT5G44290	na	Protein kinase s	5_17839752	5.55	intergenic
AT5G23750	na	Remorin family	5_8009653	5.55	downstream
AT5G44283	na	pre-tRNA; tRNA	5_17839752	5.55	promoter
AT5G44286	na	snoRNA; snoRT	5_17839752	5.55	promoter
AT5G23740	RIBOSOMAL PROTEIN S11-BETA (RPS1	Encodes a puta	5_8009653	5.55	promoter
AT5G44340	TUBULIN BETA CHAIN 4 (TUB4)	beta tubulin gen	5_17861714	5.55	proximal promoter
AT1G07725	EXOCYST SUBUNIT EXO70 FAMILY PRC	A member of E	1_2395298	5.54	exon
AT5G13840	FIZZY-RELATED 3 (FZR3)	FIZZY-related	3_5_4471153	5.54	intron
AT5G13845	na	pre-tRNA; tRNA	5_4471153	5.54	downstream
AT1G07728	na	Potential natura	1_2395298	5.54	promoter
AT3G11390	na	Cysteine/Histidi	3_3569423	5.54	promoter
AT3G13594	na	unknown proteir	3_4441358	5.54	downstream
AT5G47700	na	60S acidic ribos	5_19329196	5.54	promoter
AT5G13850	NASCENT POLYPEPTIDE-ASSOCIATED	nascent polypep	5_4471153	5.54	promoter
AT1G30120	PYRUVATE DEHYDROGENASE E1 BET/	Encodes a puta	1_10586747	5.54	promoter
AT1G24260	SEPALATA3 (SEP3)	Member of the l	1_8596575	5.54	promoter
AT3G10280	3-KETOACYL-COA SYNTHASE 14 (KCS1	Encodes KCS1-	3_3182470	5.53	intergenic
AT2G45430	AT-HOOK MOTIF NUCLEAR-LOCALIZED	Encodes a nucl	2_18724390	5.53	intergenic
AT2G39350	ATP-BINDING CASSETTE G1 (ABC G1)	ABC-2 type tran	2_16435444	5.53	proximal promoter
AT2G37590	DNA BINDING WITH ONE FINGER 2.4 (D	DNA binding wit	2_15771686	5.53	intergenic
AT3G10282	na	unknown pseud	3_3182470	5.53	intron
AT2G46600	na	Calcium-binding	2_19135829	5.53	promoter
AT4G39140	na	RING/U-box suj	4_18233258	5.53	proximal promoter
AT5G41040	na	Encodes a ferul	5_16430389	5.53	proximal promoter
AT2G23310	(ATRER1C1)	Encodes AtREF	2_9916658	5.52	proximal promoter
AT5G52570	BETA-CAROTENE HYDROXYLASE 2 (BE	Converts ^f	5_21337272	5.52	promoter
AT3G25500	FORMIN HOMOLOG 1 (AFH1)	Poly-L-proline-c	3_9255100	5.52	promoter
AT5G41905	MICRORNA166E (MIR166E)	Encodes a micr	5_16772664	5.52	intergenic
AT3G18210	na	2-oxoglutarate	(3_6240750	5.52	promoter
AT3G18215	na	Protein of unkn	3_6240750	5.52	promoter
AT5G52580	na	RabGAP/TBC d	5_21337272	5.52	proximal promoter
AT5G55860	na	Plant protein of	5_22609116	5.52	promoter
AT2G23300	na	Leucine-rich rep	2_9916658	5.52	exon

AT2G29280	na	pseudogene, trc 2_12585574	5.52	promoter
AT2G29290	na	NAD(P)-binding 2_12585574	5.52	promoter
AT2G38330	na	MATE efflux fan 2_16063787	5.52	proximal promoter
AT4G08871	na	transposable elk 4_5650106	5.52	proximal promoter
AT4G28775	na	unknown proteir 4_14215525	5.52	downstream
AT4G28780	na	GDSL-like Lipas 4_14215525	5.52	promoter
AT5G57100	na	Nucleotide/sugc 5_23109035	5.52	promoter
AT1G58250	SABRE (SAB)	SABRE, putativ 1_21601703	5.52	promoter
AT2G28630	3-KETOACYL-COA SYNTHASE 12 (KCS1)	Encodes KCS1: 2_12274961	5.51	intergenic
AT4G12730	FASCICLIN-LIKE ARABINOGLACTAN 2	AF333971 Arab 4_7491393	5.51	three_prime_UTR
AT2G37090	IRREGULAR XYLEM 9 (IRX9)	The IRX9 gene 2_15587241	5.51	downstream
AT5G58850	MYB DOMAIN PROTEIN 119 (MYB119)	Encodes a puta 5_23762561	5.51	proximal promoter
AT1G75170	na	Sec14p-like phc 1_28213788	5.51	promoter
AT4G33920	na	Protein phosph 4_16260597	5.51	promoter
AT1G74640	na	alpha/beta-Hydr 1_28035645	5.51	intergenic
AT1G62370	na	RING/U-box suj 1_23077280	5.51	intergenic
AT5G24810	na	ABC1 family prc 5_8522863	5.51	promoter
AT5G54720	na	Ankyrin repeat f 5_22233420	5.51	promoter
AT1G14860	NUDIX HYDROLASE HOMOLOG 18 (NUI1)	nudix hydrolase 1_5126415	5.51	intergenic
AT4G03510	RING MEMBRANE-ANCHOR 1 (RMA1)	RMA1 encodes 4_1560623	5.51	proximal promoter
AT2G37080	ROP INTERACTIVE PARTNER 3 (RIP3)	Encodes RIP3 (2_15587241	5.51	proximal promoter
AT4G02380	SENESCENCE-ASSOCIATED GENE 21 (SAG21)	Encodes AtLEA 4_1047953	5.51	proximal promoter
AT5G24030	SLAC1 HOMOLOGUE 3 (SLAH3)	Encodes a prot 5_8122887	5.51	promoter
AT4G14960	TUBULIN ALPHA-6 (TUAG6)	Encodes an alp 4_8550550	5.51	promoter
AT4G11140	CYTOKININ RESPONSE FACTOR 1 (CRF1)	encodes a mem 4_6793640	5.5	intergenic
AT1G11710	na	Pentatricopeptic 1_3951109	5.5	three_prime_UTR
AT1G18940	na	Nodulin-like / Mi 1_6543703	5.5	promoter
AT1G02475	na	Polyketide cycl 1_515481	5.5	promoter
AT1G02480	na	pre-tRNA; tRNA 1_515481	5.5	promoter
AT4G36808	na	Potential natura 4_17342927	5.5	intergenic
AT1G25440	na	B-box type zinc 1_8935586	5.5	promoter
AT3G28040	na	Leucine-rich rec 3_10434970	5.5	promoter
AT4G36800	RUB1 CONJUGATING ENZYME 1 (RCE1)	RUB1 conjugati 4_17342927	5.5	promoter
AT1G11720	STARCH SYNTHASE 3 (SS3)	Encodes a starc 1_3951109	5.5	promoter
AT4G16265	(NRPB9B)	One of two high 4_9204212	5.49	promoter
AT2G25090	CBL-INTERACTING PROTEIN KINASE 16	Encodes a merr 2_10673314	5.49	proximal promoter
AT3G20770	ETHYLENE-INSENSITIVE3 (EIN3)	Encodes EIN3 (3_7263230	5.49	five_prime_UTR
AT2G29980	FATTY ACID DESATURASE 3 (FAD3)	Endoplasmic re 2_12783723	5.49	intron
AT5G65710	HAESA-LIKE 2 (HSL2)	HAESA-like 2 (f 5_26288297	5.49	intergenic
AT5G57030	LUTEIN DEFICIENT 2 (LUT2)	Lutein-deficient 5_23077087	5.49	promoter
AT5G57020	MYRISTOYL-COA:PROTEIN N-MYRISTOYL	Arabidopsis thal 5_23077087	5.49	downstream
AT1G74840	na	Homeodomain-l 1_28117456	5.49	promoter
AT2G23808	na	pseudogene of 1_210137507	5.49	intergenic
AT2G05760	na	Xanthine/uracil 1_2180650	5.49	promoter
AT4G14746	na	CONTAINS Inte 4_8467123	5.49	proximal promoter
AT4G15420	na	Ubiquitin fusio 4_8826240	5.49	downstream
AT4G15430	na	ERD (early-res; 4_8826240	5.49	proximal promoter
AT5G07940	na	BEST Arabidop: 5_2533540	5.49	promoter
AT1G71100	RADIAL SWELLING 10 (RSW10)	Encodes a ribos 1_26815671	5.49	intron
AT2G23810	TETRASPANIN8 (TET8)	Member of TET 2_10137507	5.49	five_prime_UTR
AT3G20780	TOPOISOMERASE 6 SUBUNIT B (TOP6B)	Encodes putativ 3_7263230	5.49	intergenic
AT5G04490	VITAMIN E PATHWAY GENE 5 (VTE5)	Encodes a prot 5_1279695	5.49	promoter
AT1G30825	DISTORTED TRICHOMES 2 (DIS2)	Involved in trich 1_10956460	5.48	intergenic
AT2G28110	FRAGILE FIBER 8 (FRA8)	Homolog to AtE 2_11978110	5.48	exon
AT1G70300	K+ UPTAKE PERMEASE 6 (KUP6)	potassium trans 1_26483303	5.48	proximal promoter
AT3G54460	na	SNF2 domain-c 3_20167520	5.48	promoter
AT2G36080	na	Encodes a plan 2_15150376	5.48	intron
AT4G32920	na	glycine-rich prot 4_15887247	5.48	downstream
AT4G32915	na	FUNCTIONS IN 4_15887247	5.48	intergenic
AT1G54120	na	unknown proteir 1_20206730	5.48	promoter
AT1G70150	na	zinc ion binding; 1_26419799	5.48	downstream
AT1G70160	na	unknown proteir 1_26419799	5.48	promoter
AT3G04020	na	unknown proteir 3_1040443	5.48	promoter
AT4G36370	na	unknown proteir 4_17184482	5.48	proximal promoter
AT5G44070	CADMIUM SENSITIVE 1 (CAD1)	Phytochelatin s 5_17734343	5.47	promoter
AT2G05790	na	O-Glycosyl hydi 2_2201092	5.47	intron
AT2G05800	na	transposable elk 2_2201092	5.47	proximal promoter
AT4G24790	na	AAA-type ATPa 4_12777532	5.47	promoter
AT2G31110	na	Encodes a merr 2_13263532	5.47	proximal promoter
AT1G03457	na	RNA-binding (R 1_864287	5.47	promoter
AT2G31130	na	unknown proteir 2_13263532	5.47	downstream
AT5G43940	SENSITIVE TO HOT TEMPERATURES 5	Encodes a gluta 5_17684073	5.47	promoter
AT2G30010	TRICHOME BIREFRINGENCE-LIKE 45 (TBL45)	Encodes a merr 2_12808738	5.47	intron
AT2G47260	WRKY DNA-BINDING PROTEIN 23 (WRKY23)	Encodes a merr 2_19406776	5.47	five_prime_UTR
AT1G35670	CALCIUM-DEPENDENT PROTEIN KINASE 10 (CPK10)	Encodes a Ca(2 1_13203617	5.46	proximal promoter
AT1G11680	CYTOCHROME P450 51G1 (CYP51G1)	putative obtusif 1_3937562	5.46	proximal promoter
AT5G24530	DOWNY MILDEW RESISTANT 6 (DMR6)	Encodes a puta 5_8381576	5.46	intron
AT4G37890	EMBRYO SAC DEVELOPMENT ARREST 1 (ESA1)	embryo sac dev 4_17813520	5.46	exon
AT2G47240	LONG-CHAIN ACYL-COA SYNTHASE 1 (LACS1)	Encodes an acy 2_19395318	5.46	intron
AT4G37895	na	Potential natura 4_17813520	5.46	promoter
AT1G08230	na	Codes for a H+ 1_2586155	5.46	intron
AT1G18720	na	Protein of unkn 1_6459129	5.46	intron
AT5G17490	RGA-LIKE PROTEIN 3 (RGL3)	DELLA subfami 5_5764211	5.46	three_prime_UTR
AT2G46800	ZINC TRANSPORTER OF ARABIDOPSIS 1 (ZAT1)	Encodes a merr 2_19237407	5.46	promoter
AT1G22880	CELLULOSE 5 (CEL5)	cellulase 5 (CEI 1_8098145	5.45	intergenic
AT3G22820	CHALLAH-LIKE 1 (CLL1)	allergen-related 3_8072671	5.45	intergenic
AT1G03310	DEBRANCHING ENZYME 1 (DBE1)	Encodes a prot 1_813305	5.45	promoter
AT2G35860	FASCICLIN-LIKE ARABINOGLACTAN P	FASCICLIN-like 2_15059721	5.45	promoter
AT4G18880	HEAT SHOCK TRANSCRIPTION FACTOR 1 (HSF1)	member of Heat 4_10349635	5.45	promoter
AT2G35859	na	Potential natura 2_15059721	5.45	exon
AT1G02070	na	unknown proteir 1_368349	5.45	intergenic
AT1G14820	na	Sec14p-like phc 1_5106959	5.45	promoter
AT2G39420	na	alpha/beta-Hydr 2_16460238	5.45	promoter
AT1G22882	na	Galactose-bindi 1_8098145	5.45	proximal promoter

AT1G19050	RESPONSE REGULATOR 7 (ARR7)	Encodes a merr	1_6579378	5.45	promoter
AT3G50740	UDP-GLUCOSYL TRANSFERASE 72E1 (UGT72E1)	is an	3_18859431	5.45	proximal promoter
AT3G04910	WITH NO LYSINE (K) KINASE 1 (WNK1)	Serine/threonine	3_1354724	5.45	five_prime_UTR
AT3G28860	ATP-BINDING CASSETTE B19 (ABCB19)	Belongs to the f	3_10876131	5.44	intron
AT5G51990	C-REPEAT-BINDING FACTOR 4 (CBF4)	encodes a mem	5_21116408	5.44	intergenic
AT2G47180	GALACTINOL SYNTHASE 1 (GolS1)	GolS1 is a galac	2_19371310	5.44	proximal promoter
AT4G02130	GALACTURONOSYLTRANSFERASE 6 (GAL6T6)	Encodes a prot	4_945408	5.44	intron
AT4G32690	HEMOGLOBIN 3 (GLB3)	Encodes a hem	4_15765244	5.44	promoter
AT5G45307	MICRORNA168B (MIR168B)	Encodes a micr	5_18359089	5.44	promoter
AT5G45310	na	unknown protei	5_18359089	5.44	downstream
AT2G45300	na	encodes 3-phos	2_18677233	5.44	promoter
AT5G08240	na	unknown protei	5_2651109	5.44	three_prime_UTR
AT5G42440	na	Protein kinase s	5_16974626	5.44	promoter
AT4G16141	na	GATA type zinc	4_9131363	5.44	intergenic
AT1G17850	na	Rhodanese/Cel	1_6149163	5.44	promoter
AT1G17860	na	Kunitz family try	1_6149163	5.44	promoter
AT1G32360	na	Zinc finger (CC	1_11671589	5.44	proximal promoter
AT3G12835	na	unknown protei	3_4082762	5.44	intergenic
AT4G32680	na	unknown protei	4_15765244	5.44	promoter
AT5G40150	na	Peroxidase sup	5_16060849	5.44	five_prime_UTR
AT5G51980	na	Transducin/WD	5_21116408	5.44	promoter
AT5G54380	THESEUS1 (THE1)	Encodes THESE	5_22082658	5.44	proximal promoter
AT1G24120	ARG1-LIKE 1 (ARL1)	encodes a Dna.	1_8532242	5.43	promoter
AT2G16400	BEL1-LIKE HOMEODOMAIN 7 (BLH7)	BEL1-like home	2_7104426	5.43	proximal promoter
AT1G64142	CONSERVED PEPTIDE UPSTREAM OPEN READING FRAME 1 (CUP1)	Upstream open	1_23807790	5.43	proximal promoter
AT2G37380	MEMBRANE-ASSOCIATED KINASE REGULATOR 1 (MAKR1)	Encodes a merr	2_15689416	5.43	intergenic
AT4G35490	MITOCHONDRIAL RIBOSOMAL PROTEIN 1 (MRP1)	mitochondrial rit	4_16855355	5.43	proximal promoter
AT1G51130	na	Nse4, compone	1_18942678	5.43	proximal promoter
AT1G13470	na	Protein of unkn	1_4621874	5.43	promoter
AT1G31540	na	Disease resist	1_11293885	5.43	promoter
AT1G64140	na	BEST Arabidop	1_23807790	5.43	proximal promoter
AT1G27190	na	Leucine-rich re	1_9446400	5.43	intergenic
AT1G69570	na	Dof-type zinc fir	1_26163437	5.43	five_prime_UTR
AT5G62560	na	RING/U-box su	5_25109760	5.43	promoter
AT2G45140	PLANT VAP HOMOLOG 12 (PVA12)	Encodes a Plan	2_18610830	5.43	five_prime_UTR
AT4G00050	UNFERTILIZED EMBRYO SAC 10 (UNES10)	unfertilized emb	4_19001	5.43	intron
AT2G25900	(ATCTH)	putative Cys3H	2_11041762	5.42	five_prime_UTR
AT3G18290	BRUTUS (BTS)	Encodes BRUT	3_6272813	5.42	proximal promoter
AT3G61897	MICRORNA166B (MIR166B)	Encodes a micr	3_22921947	5.42	promoter
AT2G39200	MILDEW RESISTANCE LOCUS O 12 (MLR12)	A member of a	1_216360099	5.42	promoter
AT4G19420	na	Pectinacetyl	4_10593223	5.42	proximal promoter
AT2G24380	na	pre-tRNA; tRNA	2_10373564	5.42	promoter
AT2G24390	na	AIG2-like (avir	2_10373564	5.42	promoter
AT5G07760	na	formin homolo	5_2467807	5.42	promoter
AT1G10690	na	unknown protei	1_3550761	5.42	promoter
AT3G55020	na	Ypt/Rab-GAP d	3_20394906	5.42	five_prime_UTR
AT3G61898	na	unknown protei	3_22921947	5.42	proximal promoter
AT5G06320	NDR1/HIN1-LIKE 3 (NHL3)	encodes a prote	5_1931741	5.42	five_prime_UTR
AT5G06310	PROTECTION OF TELOMERES 1B (ATP1)	Encodes AtPOT	5_1931741	5.42	intergenic
AT5G53160	REGULATOR COMPONENTS OF ABA1 (RCA1)	Encodes RCAR	5_21560617	5.42	promoter
AT3G53232	ROTUNDIFOLIA LIKE 1 (RTFL1)	ROTUNDIFOLIA	3_19732233	5.42	proximal promoter
AT2G01830	WOODEN LEG (WOL)	Histidine kinase	2_368971	5.42	intron
AT3G54360	na	zinc ion binding	3_20132174	5.41	promoter
AT3G54363	na	This gene encod	3_20132174	5.41	downstream
AT1G68400	na	leucine-rich rep	1_25647447	5.41	intron
AT5G18460	na	Protein of Unkn	5_6124009	5.4	exon
AT1G62480	na	Vacuolar calci	1_23126627	5.4	proximal promoter
AT3G44100	na	MD-2-related lip	3_15867536	5.4	promoter
AT5G10745	na	unknown protei	5_3396377	5.4	promoter
AT4G19390	na	Uncharacterise	4_10576519	5.4	promoter
AT3G59765	na	Unknown gene	3_22078335	5.4	exon
AT1G30590	na	RNA polymeras	1_10840897	5.4	proximal promoter
AT1G30600	na	Subtilase fami	1_10840897	5.4	intergenic
AT5G28770	(BZO2H3)	bZIP protein BZ	5_10799599	5.39	proximal promoter
AT5G10860	CBS DOMAIN CONTAINING PROTEIN 3 (CBP3)	Encodes a singl	5_3430601	5.39	promoter
AT5G10870	CHORISMATE MUTASE 2 (CM2)	Encodes chorisi	5_3430601	5.39	three_prime_UTR
AT3G05120	GA INSENSITIVE DWARF1A (GID1A)	Encodes a gibb	3_1430374	5.39	promoter
AT2G24240	na	BTB/POZ doma	2_10308284	5.39	proximal promoter
AT1G12080	na	Vacuolar calci	1_4082666	5.39	proximal promoter
AT1G76870	na	BEST Arabidop	1_28859503	5.39	intergenic
AT2G19582	na	Potential natura	2_8475165	5.39	exon
AT5G64400	na	BEST Arabidop	5_25748652	5.39	promoter
AT5G13390	NO EXINE FORMATION 1 (NEF1)	Required for no	5_4292697	5.39	promoter
AT2G33150	PEROXISOMAL 3-KETOACYL-COA THIOESTERASE 1 (KAT3)	Encodes an org	2_14051433	5.39	promoter
AT2G19580	TETRASPANIN2 (TET2)	Member of TET	2_8475165	5.39	promoter
AT4G19700	(RING)	Encodes BOI (E	4_10716026	5.38	proximal promoter
AT3G07390	AUXIN-INDUCED IN ROOT CULTURES 1 (AIR1)	isolated from dif	3_2364282	5.38	proximal promoter
AT5G59570	BROTHER OF LUX ARRHYTHMO (BOA)	Encodes BOA (	5_24003782	5.38	promoter
AT1G12840	DE-ETIOLATED 3 (DET3)	Encodes subun	1_4375359	5.38	promoter
AT5G63530	FARNESYLATED PROTEIN 3 (FP3)	Farnesylated pr	5_25433136	5.38	promoter
AT5G13630	GENOMES UNCOUPLED 5 (GUN5)	Encodes magn	5_4392362	5.38	promoter
AT3G06110	MAPK PHOSPHATASE 2 (MKP2)	Encodes a nucl	3_1845047	5.38	downstream
AT3G06120	MUTE (MUTE)	Encodes a basi	3_1845047	5.38	proximal promoter
AT4G33467	na	unknown protei	4_16102323	5.38	promoter
AT1G12830	na	unknown protei	1_4375359	5.38	promoter
AT2G25870	na	haloacid dehalo	2_11030841	5.38	promoter
AT3G12170	na	Chaperone Dna	3_3880759	5.38	promoter
AT4G02550	na	unknown protei	4_1122240	5.38	promoter
AT5G53410	na	unknown protei	5_21665466	5.38	proximal promoter
AT2G25850	POLY(A) POLYMERASE 2 (PAPS2)	Encodes a poly	2_11030841	5.38	promoter
AT4G34870	ROTAMASE CYCLOPHILIN 5 (ROCS5)	belongs to cycl	4_16614121	5.38	promoter
AT3G58710	WRKY DNA-BINDING PROTEIN 69 (WRKY69)	member of WR	3_21715638	5.38	intron
AT2G38120	AUXIN RESISTANT 1 (AUX1)	Encodes an aux	2_15972778	5.37	promoter
AT2G28910	CAX INTERACTING PROTEIN 4 (CXIP4)	Encodes a CAX	2_12415662	5.37	downstream

AT1G27750	na	nucleic acid bin	1_9662073	5.37	downstream
AT1G27752	na	Ubiquitin system	1_9662073	5.37	promoter
AT1G38149	na	transposable elk	1_14307625	5.37	intergenic
AT1G61353	na	unknown protei	n_22636555	5.37	downstream
AT2G31585	na	Unknown gene	2_13447088	5.37	intergenic
AT2G31590	na	unknown protei	n_13447088	5.37	exon
AT2G31580	na	tRNAHis guanyl	2_13447088	5.37	proximal promoter
AT3G55700	na	UDP-Glycosyltr	3_20669824	5.37	proximal promoter
AT2G28900	OUTER PLASTID ENVELOPE PROTEIN	Encodes AtOEF	2_12415662	5.37	promoter
AT4G30210	P450 REDUCTASE 2 (ATR2)	Encodes NADP	4_14796759	5.37	promoter
AT4G30220	SMALL NUCLEAR RIBONUCLEOPROTE	small nuclear rit	4_14796759	5.37	intergenic
AT2G02860	SUCROSE TRANSPORTER 2 (SUT2)	encodes a sucrt	2_832620	5.37	promoter
AT1G14900	HIGH MOBILITY GROUP A (HMGA)	Encodes a prote	1_5138124	5.36	downstream
AT5G45630	na	CONTAINS Inte	5_18507076	5.36	proximal promoter
AT1G68190	na	B-box zinc finge	1_25559124	5.36	promoter
AT1G72100	na	late embryogeni	1_27127837	5.36	exon
AT3G13880	na	Tetratricopeptid	3_4571703	5.36	promoter
AT1G14890	na	Plant invertase/	1_5138124	5.36	downstream
AT4G02720	na	unknown protei	4_1204147	5.36	downstream
AT4G02715	na	unknown protei	4_1204147	5.36	proximal promoter
AT5G66530	na	Galactose muta	5_26555958	5.36	promoter
AT5G66535	na	pre-tRNA; tRNA	5_26555958	5.36	downstream
AT2G42600	PHOSPHOENOLPYRUVATE CARBOXYL	Encodes one of	2_17739032	5.36	five_prime_UTR
AT3G44990	XYLOGLUCAN ENDO-TRANSGLYCOSYL	xyloglucan endc	3_16448779	5.36	promoter
AT2G28630	3-KETOACYL-COA SYNTHASE 12 (KCS1	Encodes KCS1;	2_12280907	5.35	intergenic
AT4G25960	ATP-BINDING CASSETTE B2 (ABCB2)	P-glycoprotein	2_4_13177344	5.35	promoter
AT3G15850	FATTY ACID DESATURASE 5 (FAD5)	Chloroplastic er	3_5360362	5.35	intron
AT2G02100	LOW-MOLECULAR-WEIGHT CYSTEINE-	Predicted to enc	2_528082	5.35	promoter
AT3G61678	na	This gene encod	3_22823423	5.35	exon
AT3G61680	na	alpha/beta-Hydr	3_22823423	5.35	promoter
AT5G07770	na	Actin-binding Ff	5_2474017	5.35	proximal promoter
AT1G15420	na	CONTAINS Inte	1_5304249	5.35	proximal promoter
AT1G15430	na	Protein of unkn	1_5304249	5.35	promoter
AT1G63820	na	CCT motif fami	1_23685219	5.35	proximal promoter
AT1G63830	na	PLAC8 family p	1_23685219	5.35	five_prime_UTR
AT3G15860	na	FUNCTIONS IN	3_5360362	5.35	intergenic
AT1G05675	na	UDP-Glycosyltr	1_1702854	5.35	promoter
AT1G34640	na	peptidases; FU	1_12688596	5.35	promoter
AT2G37020	na	Translin family	2_15549004	5.35	three_prime_UTR
AT2G42020	na	pre-tRNA; tRNA	2_17538860	5.35	promoter
AT2G42030	na	RING/U-box su	2_17538860	5.35	downstream
AT2G37025	TRF-LIKE 8 (TRFL8)	TRF-like 8 (TR	2_15549004	5.35	promoter
AT1G05680	URIDINE DIPHOSPHATE GLYCOSYLTR/	Encodes a UDF	1_1702854	5.35	intergenic
AT1G69740	(HEMB1)	Encodes a puta	1_26235836	5.34	intergenic
AT1G68560	ALPHA-XYLOSIDASE 1 (XYL1)	Encodes a bifur	1_25736456	5.34	intron
AT3G13520	ARABINOGLACTAN PROTEIN 12 (AGP	Encodes a GPI-	3_4408294	5.34	proximal promoter
AT4G17615	CALCINEURIN B-LIKE PROTEIN 1 (CBL1	Member of AtCt	4_9815305	5.34	proximal promoter
AT1G69750	CYTOCHROME C OXIDASE 19-2 (COX1	cytochrome c o	1_26235836	5.34	five_prime_UTR
AT3G27785	MYB DOMAIN PROTEIN 118 (MYB118)	putative transcr	3_10291202	5.34	promoter
AT4G23490	na	Protein of unkn	4_12254675	5.34	promoter
AT4G30470	na	NAD(P)-binding	4_14892412	5.34	proximal promoter
AT1G70040	na	Protein of unkn	1_26382060	5.34	three_prime_UTR
AT1G70050	na	pre-tRNA; tRNA	1_26382060	5.34	downstream
AT3G01810	na	FUNCTIONS IN	3_288386	5.34	promoter
AT4G08240	na	unknown protei	4_5196643	5.34	intron
AT4G08250	na	GRAS family tra	4_5196643	5.34	promoter
AT4G17612	na	pre-tRNA; tRNA	4_9815305	5.34	promoter
AT5G16220	na	Octicosapeptid	5_5300729	5.34	promoter
AT4G36640	na	Sec14p-like ph	4_17279311	5.34	promoter
AT3G51260	20S PROTEASOME ALPHA SUBUNIT P/	20S proteosom	3_19030907	5.33	promoter
AT1G22600	na	Late embryog	1_7991159	5.33	proximal promoter
AT4G27840	na	SNARE-like su	4_13866507	5.33	promoter
AT4G26555	na	FKBP-like pepti	4_13406283	5.33	promoter
AT3G26510	na	Octicosapeptid	3_9710063	5.33	intergenic
AT3G27330	na	zinc finger (C3	3_10119862	5.33	exon
AT3G27340	na	FUNCTIONS IN	3_10119862	5.33	proximal promoter
AT3G29805	na	transposable elk	3_11725317	5.33	intergenic
AT3G26511	na	unknown protei	3_9710063	5.33	intergenic
AT4G18205	na	Nucleotide-su	4_10073604	5.33	promoter
AT5G44572	na	unknown protei	5_17969694	5.33	downstream
AT5G44574	na	unknown protei	5_17969694	5.33	proximal promoter
AT3G61970	NGATHA2 (NGA2)	NGATHA2 (NG	3_22951436	5.33	promoter
AT3G26500	PLANT INTRACELLULAR RAS GROUP-F	Encodes PIRL2	3_9710063	5.33	promoter
AT4G18197	PURINE PERMEASE 7 (PUP7)	Member of a far	4_10073604	5.33	intergenic
AT1G66970	SHV3-LIKE 2 (SVL2)	Encodes a merr	1_24996613	5.33	promoter
AT3G22420	WITH NO LYSINE (K) KINASE 2 (WNK2)	Encodes a merr	3_7946072	5.33	promoter
AT3G23920	BETA-AMYLASE 1 (BAM1)	Encodes a chlo	3_8641489	5.32	promoter
AT1G01240	na	unknown protei	1_99810	5.32	promoter
AT4G38310	na	Galactosyl trans	4_17947270	5.32	proximal promoter
AT1G29600	na	Zinc finger C-x	8_1_10343370	5.32	proximal promoter
AT3G54400	na	Eukaryotic aspa	3_20141715	5.32	intron
AT1G13260	RELATED TO ABI3/VP1 1 (RAV1)	Encodes an AP	1_4535896	5.32	intergenic
AT4G35000	ASCORBATE PEROXIDASE 3 (APX3)	Encodes a micr	4_16667710	5.31	five_prime_UTR
AT3G62150	ATP-BINDING CASSETTE B21 (ABCB21)	P-glycoprotein	2_3_23013974	5.31	promoter
AT1G04400	CRYPTOCHROME 2 (CRY2)	Blue light rece	1_1188568	5.31	promoter
AT2G47430	CYTOKININ-INDEPENDENT 1 (CKI1)	Encodes a puta	2_19465294	5.31	proximal promoter
AT1G04410	CYTOSOLIC-NAD-DEPENDENT MALATE	predicted to enc	1_1188568	5.31	intergenic
AT5G43330	CYTOSOLIC-NAD-DEPENDENT MALATE	predicted to enc	5_17390390	5.31	promoter
AT4G30190	H(+)-ATPASE 2 (HA2)	belongs to the F	4_14782282	5.31	intergenic
AT1G79310	METACASPASE 7 (MC7)	Encodes a puta	1_29833863	5.31	promoter
AT1G17940	na	Endosomal targ	1_6174632	5.31	proximal promoter
AT1G79290	na	pre-tRNA; tRNA	1_29833863	5.31	intergenic
AT1G79300	na	pre-tRNA; tRNA	1_29833863	5.31	downstream
AT3G62160	na	HXXXD-type ac	3_23013974	5.31	downstream

AT4G18810	na	NAD(P)-binding 4_10325957	5.31	promoter
AT4G18815	na	pre-tRNA; tRNA 4_10325957	5.31	downstream
AT1G79280	NUCLEAR PORE ANCHOR (NUA)	Encodes a 237-1_29833863	5.31	proximal promoter
AT3G05800	ATBS1(ACTIVATION-TAGGED BRI1 SUP	AtBS1(activation) 3_1726795	5.3	proximal promoter
AT5G41070	DSRNA-BINDING PROTEIN 5 (DRB5)	Encodes a dout 5_16438109	5.3	promoter
AT5G39360	EID1-LIKE 2 (EDL2)	EID1-like 2 (EDI) 5_15754788	5.3	promoter
AT1G70140	FORMIN 8 (FH8)	Encodes a grou 1_26415371	5.3	promoter
AT5G59505	MICRORNA172E (MIR172E)	Encodes a micr 5_23989004	5.3	intergenic
AT2G48000	na	Pentatricopeptic 2_19640991	5.3	promoter
AT2G03020	na	Heat shock prot 2_884296	5.3	promoter
AT1G77640	na	encodes a mem 1_29177273	5.3	proximal promoter
AT3G63233	na	This gene encod 3_23363217	5.3	proximal promoter
AT4G14615	na	unknown proteir 4_8386650	5.3	intergenic
AT5G41060	na	DHHC-type zinc 5_16438109	5.3	intergenic
AT4G25672	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 4_13087157	5.29	promoter
AT1G63900	DIAP1-LIKE PROTEIN 1 (DAL1)	E3 Ubiquitin liq 1_23716253	5.29	promoter
AT4G24660	HOMEBOX PROTEIN 22 (HB22)	homeobox prote 4_12723689	5.29	intergenic
AT5G55090	MITOGEN-ACTIVATED PROTEIN KINASE	member of MEK 5_22359436	5.29	proximal promoter
AT4G01680	MYB DOMAIN PROTEIN 55 (MYB55)	Encodes a puta 4_719659	5.29	proximal promoter
AT2G41830	na	Uncharacterize 2_17457717	5.29	proximal promoter
AT2G41835	na	zinc finger (C2) 2_17457717	5.29	downstream
AT4G25670	na	unknown proteir 4_13087157	5.29	promoter
AT4G25680	na	PPPDE putative 4_13087157	5.29	proximal promoter
AT1G67720	na	Leucine-rich rep 1_25386396	5.29	five_prime_UTR
AT1G10747	na	Encodes a Mate 1_3575199	5.29	intergenic
AT1G10750	na	Protein of Unkn 1_3575199	5.29	exon
AT1G63880	na	Encodes a TIR- 1_23716253	5.29	promoter
AT1G76230	na	unknown proteir 1_28600690	5.29	promoter
AT2G21780	na	unknown proteir 2_9290747	5.29	promoter
AT1G28260	na	Telomerase act 1_9880607	5.29	proximal promoter
AT2G05810	na	ARM repeat sup 2_2217143	5.29	five_prime_UTR
AT2G05812	na	Potential natura 2_2217143	5.29	five_prime_UTR
AT4G24652	na	Pseudogene of 4_12723689	5.29	proximal promoter
AT5G64180	na	unknown proteir 5_25676959	5.29	promoter
AT4G00710	BR-SIGNALING KINASE 3 (BSK3)	Encodes BR-sic 4_289798	5.28	promoter
AT1G28330	DORMANCY-ASSOCIATED PROTEIN-LI	dormancy-asso 1_9936185	5.28	proximal promoter
AT3G22990	LEAF AND FLOWER RELATED (LFR)	Armadillo-repea 3_8167420	5.28	intergenic
AT3G01202	na	Potential natura 3_71528	5.28	downstream
AT3G01210	na	RNA-binding (R 3_71528	5.28	promoter
AT1G25422	na	unknown proteir 1_8918470	5.28	promoter
AT1G35614	na	unknown proteir 1_13147708	5.28	proximal promoter
AT1G80831	na	unknown proteir 1_30376388	5.28	exon
AT1G25420	na	Regulator of Vp 1_8918470	5.28	intergenic
AT3G23690	na	basic helix-loop 3_8531205	5.28	promoter
AT3G23700	na	Nucleic acid-bin 3_8531205	5.28	downstream
AT3G01200	PPDK REGULATORY PROTEIN 2 (RP2)	Encodes a PPD 3_71528	5.28	promoter
AT3G05020	ACYL CARRIER PROTEIN 1 (ACP1)	encodes an acy 3_1393030	5.27	promoter
AT3G15580	AUTOPHAGY 8H (APG8H)	Encodes APG8, 3_5275221	5.27	promoter
AT1G02800	CELLULOSE 2 (CEL2)	Encodes a prote 1_616822	5.27	proximal promoter
AT1G10690	na	unknown proteir 1_3548067	5.27	intergenic
AT3G15585	na	pre-tRNA; tRNA 3_5275221	5.27	intron
AT2G36854	na	unknown proteir 2_15470090	5.27	downstream
AT2G36860	na	pre-tRNA; tRNA 2_15470090	5.27	downstream
AT5G06700	na	Encodes a merr 5_2063459	5.27	promoter
AT5G63380	na	Encodes a pero 5_25387321	5.27	downstream
AT5G56975	na	pre-tRNA; tRNA 5_23054530	5.27	intergenic
AT5G63370	na	Protein kinase s 5_25387321	5.27	promoter
AT2G27810	NUCLEOBASE-ASCORBATE TRANSPOR	nucleobase-asc 2_11856677	5.27	intergenic
AT2G27820	PREPHENATE DEHYDRATASE 1 (PD1)	Encodes a plast 2_11856677	5.27	promoter
AT3G05030	SODIUM HYDROGEN EXCHANGER 2 (N	Encodes a vacc 3_1393030	5.27	intergenic
AT4G15910	DROUGHT-INDUCED 21 (DI21)	encodes a gene 4_9029170	5.26	exon
AT1G02205	ECERIFERUM 1 (CER1)	Expression of th 1_418595	5.26	promoter
AT5G10140	FLOWERING LOCUS C (FLC)	MADS-box prot 5_3173359	5.26	downstream
AT1G17550	HOMOLOGY TO ABI2 (HAB2)	Protein Phosph: 1_6034134	5.26	promoter
AT4G18530	na	Protein of unkn 4_10217328	5.26	promoter
AT4G18520	na	Pentatricopeptic 4_10217328	5.26	promoter
AT4G24350	na	Phosphorylase : 4_12609549	5.26	five_prime_UTR
AT1G79620	na	Leucine-rich rep 1_29957390	5.26	downstream
AT2G28625	na	unknown proteir 2_12273769	5.26	intergenic
AT1G02190	na	Fatty acid hydr 1_418595	5.26	intergenic
AT1G22403	na	other RNA 1_7909844	5.26	promoter
AT4G35025	na	This gene encod 4_16675525	5.26	downstream
AT4G35030	na	Protein kinase s 4_16675525	5.26	promoter
AT5G64320	na	Pentatricopeptic 5_25725725	5.26	promoter
AT5G10130	na	Pollen Ole e 1 a 5_3173359	5.26	proximal promoter
AT1G79610	NA+/H+ ANTIPORTER 6 (NHX6)	Encodes an enc 1_29957390	5.26	promoter
AT5G64330	NON-PHOTOTROPIC HYPOCOTYL 3 (N	Involved in blue 5_25725725	5.26	proximal promoter
AT4G35020	RAC-LIKE 3 (RAC3)	A member of R(4_16675525	5.26	intergenic
AT2G23320	WRKY DNA-BINDING PROTEIN 15 (WRK	Encodes WRKY) 2_9922133	5.26	proximal promoter
AT3G09520	EXOCYST SUBUNIT EXO70 FAMILY PRC	A member of E) 3_2923570	5.25	promoter
AT1G66880	na	Protein kinase s 1_24955637	5.25	downstream
AT1G66890	na	FUNCTIONS IN 1_24955637	5.25	proximal promoter
AT2G01220	na	Nucleotidyl tra 2_126772	5.25	intergenic
AT2G01240	na	Reticulon family 2_126772	5.25	intergenic
AT4G09630	na	Protein of unkn 4_6083587	5.25	promoter
AT1G06560	na	NOL1/NOP2/su 1_2007373	5.25	promoter
AT1G19230	na	Riboflavin synth 1_6641145	5.25	intergenic
AT3G29240	na	Protein of unkn 3_11191482	5.25	promoter
AT5G59960	na	unknown proteir 5_24145984	5.25	proximal promoter
AT5G59970	na	Histone superfa 5_24145984	5.25	downstream
AT4G13350	NSP (NUCLEAR SHUTTLE PROTEIN)-IN	Encodes a GTP 4_7773694	5.25	intron
AT2G01140	PIGMENT DEFECTIVE 345 (PDE345)	Aldolase super: 2_97887	5.25	proximal promoter
AT4G28720	YUCCA 8 (YUC8)	Auxin biosynthe 4_14195893	5.25	intergenic
AT1G79340	METACASPASE 4 (MC4)	Encodes MCP2 1_29842584	5.24	promoter

AT1G64660	METHIONINE GAMMA-LYASE (MGL)	Encodes a func	1_24028579	5.24	promoter
AT3G27700	na	zinc finger (CC	3_10255845	5.24	intergenic
AT5G57710	na	Double Clip-N m	5_23383344	5.24	proximal promoter
AT5G10040	na	unknown protei	5_3140646	5.24	intergenic
AT1G11050	na	Protein kinase s	1_3681725	5.24	promoter
AT1G17147	na	VQ motif-contai	1_5864781	5.24	proximal promoter
AT1G66100	na	Predicted to enc	1_24606654	5.24	promoter
AT2G04080	na	MATE efflux fan	2_1359649	5.24	promoter
AT2G20920	na	Protein of unkn	2_8998491	5.24	promoter
AT3G06770	na	Pectin lyase-like	3_2138290	5.24	proximal promoter
AT4G17765	na	pre-tRNA; tRNA	4_9873644	5.24	promoter
AT4G36550	na	ARM repeat sur	4_17249812	5.24	proximal promoter
AT5G25820	na	Exostosin family	5_9000983	5.24	proximal promoter
AT4G35580	NAC TRANSCRIPTION FACTOR-LIKE 9	(Encodes a calr	4_16890982	5.24	promoter
AT1G12110	NITRATE TRANSPORTER 1.1 (NRT1.1)	Encodes NRT1.1	_1_4105102	5.24	promoter
AT3G27690	PHOTOSYSTEM II LIGHT HARVESTING I	Encodes Lhcb2 3_	10255845	5.24	promoter
AT5G10030	TGACG MOTIF-BINDING FACTOR 4 (TG	Encodes a merr	5_3140646	5.24	intron
AT5G64530	XYLEM NAC DOMAIN 1 (XND1)	xyLEM NAC dorr	5_25792654	5.24	proximal promoter
AT1G48410	ARGONAUTE 1 (AGO1)	Encodes an RN	1_17895038	5.23	proximal promoter
AT1G56030	na	RING/U-box su	1_20956706	5.23	intergenic
AT1G06980	na	unknown protei	1_2141985	5.23	intergenic
AT1G16630	na	unknown protei	1_5685367	5.23	proximal promoter
AT1G16635	na	na	1_5685367	5.23	downstream
AT1G16640	na	AP2/B3-like trar	1_5685367	5.23	proximal promoter
AT1G65010	na	Putative role in	1_24149162	5.23	promoter
AT3G49720	na	unknown protei	3_18442211	5.23	promoter
AT3G49725	na	GTP-binding prc	3_18442211	5.23	downstream
AT2G38060	PHOSPHATE TRANSPORTER 4;2 (PHT4	Encodes an ino	2_15925875	5.23	promoter
AT3G16500	PHYTOCHROME-ASSOCIATED PROTEIN	phytochrome-as	3_5615815	5.23	proximal promoter
AT5G53280	PLASTID DIVISION1 (PDV1)	An integral oute	5_21611332	5.23	intergenic
AT3G62720	XYLOSYLTRANSFERASE 1 (XT1)	Encodes a prot	3_23200961	5.23	promoter
AT5G02290	(NAK)	Encodes a canc	5_472751	5.22	intron
AT5G64740	CELLULOSE SYNTHASE 6 (CESA6)	Encodes a cellu	5_25881122	5.22	five_prime_UTR
AT3G50830	COLD-REGULATED 413-PLASMA MEMB	cold acclimation	3_18895583	5.22	promoter
AT1G52760	LYSOPHOSPHOLIPASE 2 (LysoPL2)	Encodes a lysol	1_19650532	5.22	proximal promoter
AT4G16150	na	calmodulin bind	4_9147554	5.22	proximal promoter
AT1G32670	na	unknown protei	1_11816495	5.22	intergenic
AT1G52610	na	transposable elk	1_19600589	5.22	proximal promoter
AT1G52615	na	unknown gene	1_19600589	5.22	exon
AT5G66770	na	GRAS family tre	5_26659607	5.22	proximal promoter
AT2G23430	(ICK1)	Encodes a cycli	2_9976150	5.21	intergenic
AT2G37478	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open	2_15737650	5.21	promoter
AT3G07060	EMBRYO DEFECTIVE 1974 (emb1974)	embryo defectiv	3_2232454	5.21	promoter
AT4G31820	ENHANCER OF PINOID (ENP)	A member of th	4_15397306	5.21	proximal promoter
AT1G72020	na	unknown protei	1_27110579	5.21	promoter
AT2G13660	na	unknown protei	2_5691992	5.21	downstream
AT2G13665	na	Potential natura	2_5691992	5.21	promoter
AT2G37470	na	Histone superfa	2_15737650	5.21	intergenic
AT2G37480	na	unknown protei	2_15737650	5.21	promoter
AT3G07055	na	pre-tRNA; tRNA	3_2232454	5.21	downstream
AT2G42040	na	CONTAINS Inte	2_17542259	5.21	proximal promoter
AT4G20880	na	ethylene-respor	4_11179128	5.21	three_prime_UTR
AT5G35370	na	S-locus lectin	pr 5_13591406	5.21	promoter
AT5G62200	na	Embryo-specific	5_24985823	5.21	promoter
AT3G07050	NUCLEOSTEMIN-LIKE 1 (NSN1)	Arabidopsis NS	3_2232454	5.21	promoter
AT4G38420	SKU5 SIMILAR 9 (sks9)	SKU5 similar 9	4_17982052	5.21	proximal promoter
AT4G13520	SMALL ACIDIC PROTEIN 1 (SMAP1)	Encodes a smal	4_7862503	5.21	proximal promoter
AT3G59280	THAXTOMIN A RESISTANT 1 (TXR1)	mutant exhibite	3_21910728	5.21	promoter
AT2G24570	WRKY DNA-BINDING PROTEIN 17 (WRK	member of WR1	2_10437838	5.21	exon
AT1G21410	(SKP2A)	AtSKP2;1 is a h	1_7496996	5.2	promoter
AT5G54800	GLUCOSE 6-PHOSPHATE/PHOSPHATE	Encodes glucos	5_22258601	5.2	proximal promoter
AT4G15250	na	B-box type zinc	4_8711629	5.2	proximal promoter
AT1G23030	na	ARM repeat sur	1_8159233	5.2	downstream
AT1G21400	na	Thiamin diphos	1_7496996	5.2	intergenic
AT3G02270	na	Trimeric LpxA-li	3_451241	5.2	promoter
AT2G27360	na	GDSL-like Lipas	2_11706027	5.2	promoter
AT2G42425	na	Unknown gene	2_17662711	5.2	promoter
AT3G01516	na	unknown protei	3_208315	5.2	downstream
AT3G17250	na	Protein phosph	3_5894944	5.2	promoter
AT3G01520	na	Adenine nucleot	3_208315	5.2	promoter
AT3G04420	NAC DOMAIN CONTAINING PROTEIN 4E	NAC domain co	3_1171477	5.2	proximal promoter
AT5G67440	NAKED PINS IN YUC MUTANTS 3 (NPY3	A member of th	5_26916318	5.2	promoter
AT4G12420	(SKU5)	Encodes a prot	4_7349346	5.19	intron
AT1G35580	CYTOSOLIC INVERTASE 1 (CINV1)	CINV1 / A/N-Inv	1_13126633	5.19	proximal promoter
AT5G16760	INOSITOL (1,3,4) P3 5/6-KINASE 1 (ITPK	Encodes a inosi	5_5509479	5.19	promoter
AT1G75830	LOW-MOLECULAR-WEIGHT CYSTEINE-	Predicted to enc	1_28470161	5.19	proximal promoter
AT2G42190	na	unknown protei	2_17582715	5.19	promoter
AT1G18610	na	Galactose oxid	1_6409522	5.19	downstream
AT1G29430	na	SAUR-like auxir	1_10303587	5.19	promoter
AT2G28620	na	P-loop containir	2_12270846	5.19	proximal promoter
AT4G22190	na	unknown protei	4_11743173	5.19	exon
AT5G49510	PREFOLDIN 3 (PFD3)	prefoldin 3 (P	5_20084339	5.19	intergenic
AT1G06040	SALT TOLERANCE (STO)	Encodes salt tol	1_1829927	5.19	promoter
AT1G29440	SMALL AUXIN UP RNA 63 (SAUR63)	SAUR-like auxir	1_10303587	5.19	intergenic
AT1G18620	TON1 RECRUITING MOTIF 3 (TRM3)	unknown protei	1_6409522	5.19	promoter
AT4G14660	(NRPE7)	Non-catalytic su	4_8405965	5.18	intergenic
AT1G04220	3-KETOACYL-COA SYNTHASE 2 (KCS2)	Encodes KCS2	1_1122429	5.18	exon
AT3G55950	CRINKLY4 RELATED 3 (CCR3)	CRINKLY4 relat	3_20757885	5.18	proximal promoter
AT4G11350	na	Protein of unkn	4_6903310	5.18	intron
AT2G44420	na	protein N-termir	2_18335099	5.18	intergenic
AT2G44430	na	DNA-binding br	2_18335099	5.18	intron
AT4G05070	na	Wound-respons	4_2594259	5.18	promoter
AT4G05071	na	This gene encod	4_2594259	5.18	exon
AT1G04140	na	Transducin fami	1_1081030	5.18	promoter

AT1G04150	na	C2 calcium/lipid 1_1081030	5.18	downstream
AT1G27930	na	Function unknow 1_9731054	5.18	downstream
AT1G45010	na	TRAM, LAG1 ar 1_17015528	5.18	promoter
AT1G72240	na	unknown protei 1_27191345	5.18	intergenic
AT2G37430	na	C2H2 and C2H2 2_15706108	5.18	promoter
AT1G26930	na	Galactose oxid 1_9338447	5.18	proximal promoter
AT5G20020	RAS-RELATED GTP-BINDING NUCLEAR	A member of R/ 5_6760213	5.18	proximal promoter
AT5G20010	RAS-RELATED NUCLEAR PROTEIN-1 (R	A member of R/ 5_6760213	5.18	promoter
AT1G79590	SYNTAXIN OF PLANTS 52 (SYP52)	Encodes one of 1_29945309	5.18	proximal promoter
AT4G37790	(HAT22)	Encodes homec 4_17764480	5.17	intergenic
AT1G04250	AUXIN RESISTANT 3 (AXR3)	Transcription re 1_1133876	5.17	proximal promoter
AT1G67730	BETA-KETOACYL REDUCTASE 1 (KCR1	Encodes one of 1_25391512	5.17	five_prime_UTR
AT2G19980	na	CAP (Cysteine- 2_8629373	5.17	proximal promoter
AT5G58160	na	actin binding; F1 5_23533525	5.17	promoter
AT3G13370	na	unknown protei 3_4344140	5.17	intergenic
AT1G28140	na	unknown protei 1_9832600	5.17	downstream
AT1G66090	na	Disease resist 1_24602085	5.17	promoter
AT3G06435	na	Expressed prot 3_1970898	5.17	promoter
AT3G55450	PBS1-LIKE 1 (PBL1)	PBS1-like 1 (PE 3_20557547	5.17	promoter
AT4G29220	PHOSPHOFRUCTOKINASE 1 (PFK1)	phosphofructoki 4_14406534	5.17	five_prime_UTR
AT5G58140	PHOTOTROPIN 2 (PHOT2)	Membrane-bour 5_23533525	5.17	intergenic
AT3G55440	TRIOSEPHOSPHATE ISOMERASE (TPI)	Encodes triosep 3_20557547	5.17	intergenic
AT2G40140	(CZF1)	CZF1; CONTAll 2_16770491	5.16	proximal promoter
AT5G67480	BTB AND TAZ DOMAIN PROTEIN 4 (BT4	BTB and TAZ di 5_26930704	5.16	intergenic
AT1G16858	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 1_5766499	5.16	proximal promoter
AT3G55830	ECTOPICALLY PARTING CELLS (EPC1)	A member of the 3_20714919	5.16	promoter
AT1G15190	na	Fasciclin-like ar 1_5228111	5.16	three_prime_UTR
AT1G67510	na	Leucine-rich re; 1_25300941	5.16	proximal promoter
AT3G20830	na	AGC (cAMP-de 3_7285125	5.16	exon
AT3G55820	na	Fasciclin-like ar 3_20714919	5.16	downstream
AT5G04386	na	This gene encod 5_1238149	5.16	exon
AT5G47790	na	SMAD/FHA don 5_19353308	5.16	three_prime_UTR
AT5G47800	na	Phototropic-res; 5_19353308	5.16	promoter
AT5G64760	REGULATORY PARTICLE NON-ATPASE	Encodes one of 5_25896710	5.16	promoter
AT1G44170	ALDEHYDE DEHYDROGENASE 3H1 (AL	Encodes a prote 1_16801086	5.15	proximal promoter
AT5G59040	COPPER TRANSPORTER 3 (COPT3)	encodes a mem 5_23838777	5.15	intergenic
AT2G45200	GOLGI SNARE 12 (GOS12)	Encodes a merr 2_18637255	5.15	intergenic
AT5G15150	HOMEBOX 3 (HB-3)	homeobox-cont 5_4918147	5.15	proximal promoter
AT1G17230	na	Leucine-rich rec 1_5890841	5.15	promoter
AT5G59050	na	unknown protei 5_23838777	5.15	intergenic
AT2G05940	RPM1-INDUCED PROTEIN KINASE (RIP1	Encodes a rece 2_2289690	5.15	promoter
AT4G25360	TRICHOME BIREFRINGENCE-LIKE 18 (T	Encodes a merr 4_12969494	5.15	promoter
AT1G04180	YUCCA 9 (YUC9)	YUCCA 9 (YUC 1_1103339	5.15	proximal promoter
AT4G12720	(NUDT7)	Encodes a prot 4_7489946	5.14	three_prime_UTR
AT1G49160	(WNK7)	Encodes a merr 1_18182799	5.14	promoter
AT1G68310	AS1/2 ENHANCER7 (AE7)	Encodes a prote 1_25599399	5.14	promoter
AT3G11700	FASCICLIN-LIKE ARABINOGLACTAN P	FASCICLIN-like 3_3701713	5.14	downstream
AT5G66700	HOMEBOX 53 (HB53)	Encodes a hom 5_26631300	5.14	intergenic
AT3G11710	LYSYL-TRNA SYNTHETASE 1 (ATKRS-1	lysyl-tRNA synt 3_3701713	5.14	intergenic
AT5G24710	na	Transducin/WD 5_8468421	5.14	promoter
AT5G24735	na	Unknown gene 5_8468421	5.14	exon
AT1G68300	na	Adenine nucleoi 1_25599399	5.14	promoter
AT1G75090	na	DNA glycosylas 1_28188642	5.14	intron
AT2G36340	na	DNA-binding str 2_15237813	5.14	downstream
AT2G36350	na	Protein kinase s 2_15237813	5.14	promoter
AT1G30350	na	Pectin lyase-like 1_10707821	5.14	intergenic
AT2G46735	na	unknown protei 2_19204860	5.14	exon
AT5G13600	na	Phototropic-res; 5_4380005	5.14	promoter
AT5G49555	na	FAD/NAD(P)-bi 5_20110814	5.14	promoter
AT5G49560	na	Putative methyl 5_20110814	5.14	downstream
AT5G51110	na	Transcriptional 5_20779569	5.14	promoter
AT5G51120	POLYADENYLATE-BINDING PROTEIN 1	Encodes a hom 5_20779569	5.14	intron
AT3G05650	RECEPTOR LIKE PROTEIN 32 (RLP32)	receptor like prc 3_1649060	5.14	promoter
AT3G05660	RECEPTOR LIKE PROTEIN 33 (RLP33)	receptor like prc 3_1649060	5.14	three_prime_UTR
AT1G01650	SIGNAL PEPTIDE PEPTIDASE-LIKE 4 (SI	SIGNAL PEPTII 1_239830	5.14	proximal promoter
AT5G43260	na	chaperone prot 5_17358246	5.13	promoter
AT5G55520	na	CONTAINS Inte 5_22491392	5.13	promoter
AT1G73760	na	RING/U-box suj 1_27741427	5.13	promoter
AT3G14415	na	Aldolase-type T 3_4818206	5.13	promoter
AT5G62950	na	RNA polymeras 5_25266276	5.13	proximal promoter
AT5G03705	na	pre-tRNA; tRNA 5_970890	5.13	promoter
AT5G11670	NADP-MALIC ENZYME 2 (NADP-ME2)	The malic enzyr 5_3754245	5.13	promoter
AT3G48530	SNF1-RELATED PROTEIN KINASE REGI	SNF1-related pi 3_17987288	5.13	promoter
AT4G32400	SODIUM HYPERSENSITIVE 1 (SHS1)	Encodes a plas 4_15638382	5.13	promoter
AT3G02350	GALACTURONOSYLTRANSFERASE 9 (C	Encodes a prote 3_478841	5.12	promoter
AT4G32980	HOMEBOX GENE 1 (ATH1)	Encodes transc 4_15918238	5.12	promoter
AT3G16360	HPT PHOSPHOTRANSMITTER 4 (AHP4)	Encodes AHP4, 3_5555474	5.12	intron
AT1G20830	MULTIPLE CHLOROPLAST DIVISION SII	Encodes MCD1 1_7242757	5.12	promoter
AT4G35589	na	unknown protei 4_16892868	5.12	exon
AT1G16740	na	Ribosomal prote 1_5727556	5.12	promoter
AT5G21105	na	Plant L-ascorba 5_7174826	5.12	intron
AT5G66755	na	pre-tRNA; tRNA 5_26653501	5.12	promoter
AT1G20820	na	pre-tRNA; tRNA 1_7242757	5.12	downstream
AT1G78460	na	SOUL heme-bir 1_29520006	5.12	proximal promoter
AT1G78450	na	SOUL heme-bir 1_29520006	5.12	proximal promoter
AT3G52500	na	Eukaryotic aspa 3_19467535	5.12	promoter
AT5G01450	na	RING/U-box suj 5_186572	5.12	promoter
AT5G01460	na	LMBR1-like mei 5_186572	5.12	promoter
AT2G28890	POLTERGEIST LIKE 4 (PLL4)	Encodes a prote 2_12409499	5.12	proximal promoter
AT2G28890	POLTERGEIST LIKE 4 (PLL4)	Encodes a prote 2_12408419	5.12	promoter
AT3G02230	REVERSIBLY GLYCOSYLATED POLYPE	RGP1 is a UDP 3_416181	5.12	intron
AT1G68825	ROTUNDIFOLIA LIKE 15 (RTFL15)	ROTUNDIFOLI 1_25870384	5.12	intron
AT4G35590	RWP-RK DOMAIN-CONTAINING 5 (RKD:	RWP-RK domai 4_16892868	5.12	promoter
AT5G07120	SORTING NEXIN 2B (SNX2b)	Encodes sortin; 5_2209592	5.12	promoter

AT3G11900	AROMATIC AND NEUTRAL TRANSPORT	encodes an ami	3_3760572	5.11	downstream
AT3G22968	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open	3_8157737	5.11	intergenic
AT1G08930	EARLY RESPONSE TO DEHYDRATION	encodes a puta	1_2872661	5.11	proximal promoter
AT5G24920	GLUTAMINE DUMPER 5 (GDU5)	Encodes a merr	5_8584439	5.11	promoter
AT5G67060	HECATE 1 (HEC1)	HECATE 1 (HE)	5_26765456	5.11	proximal promoter
AT1G74490	na	Protein kinase s	1_27996786	5.11	promoter
AT3G05700	na	Drought-respon	3_1684765	5.11	promoter
AT3G59455	na	Encodes a Prot	3_21977540	5.11	downstream
AT3G59460	na	BEST Arabidop	3_21977540	5.11	intron
AT4G30940	na	BTB/POZ doma	4_15054838	5.11	promoter
AT2G33830	na	Dormancy/auxir	2_14310871	5.11	proximal promoter
AT3G19500	na	basic helix-loop	3_6761521	5.11	proximal promoter
AT3G60750	na	Transketolase;	1_22453569	5.11	promoter
AT4G21170	na	Tetratricopeptid	4_11288755	5.11	promoter
AT4G27900	na	CCT motif famil	4_13889244	5.11	proximal promoter
AT5G06210	na	RNA binding (R	5_1879791	5.11	downstream
AT5G06220	na	LETM1-like prot	5_1879791	5.11	promoter
AT5G41800	na	Transmembran	5_16733736	5.11	promoter
AT1G79410	ORGANIC CATION/CARNITINE TRANSP	organic cation/c	1_29869880	5.11	promoter
AT1G23820	SPERMIDINE SYNTHASE 1 (SPDS1)	Spermidine syn	1_8420130	5.11	promoter
AT3G05710	SYNTAXIN OF PLANTS 43 (SYP43)	Encodes a merr	3_1684765	5.11	promoter
AT3G11910	UBIQUITIN-SPECIFIC PROTEASE 13 (UE	ubiquitin-specifi	3_3760572	5.11	intergenic
AT4G30935	WRKY DNA-BINDING PROTEIN 32 (WRK	member of WRK	4_15054838	5.11	proximal promoter
AT4G30270	XYLOGLUCAN ENDOTRANSGLUCOSYL	encodes a prote	4_14822198	5.11	proximal promoter
AT4G37800	XYLOGLUCAN ENDOTRANSGLUCOSYL	xyloglucan endc	4_17774620	5.11	intergenic
AT2G06530	(VPS2.1)	VPS2.1; CONT	2_2588475	5.1	downstream
AT5G18270	ARABIDOPSIS NAC DOMAIN CONTAINI	Arabidopsis NA	5_6046198	5.1	intergenic
AT3G13970	AUTOPHAGY 12 B (APG12B)	AUTOPHAGY 1	3_4613418	5.1	downstream
AT3G22840	EARLY LIGHT-INDUCIBLE PROTEIN (EL	Encodes an ear	3_8083471	5.1	intergenic
AT1G06780	GALACTURONOSYLTRANSFERASE 6 (G	Encodes a prot	1_2083141	5.1	promoter
AT1G26945	KIDARI (KDR)	Encodes a basi	1_9350298	5.1	proximal promoter
AT2G13460	na	transposable elk	2_5606522	5.1	proximal promoter
AT3G13965	na	pseudogene, hy	3_4613418	5.1	proximal promoter
AT5G53540	na	P-loop containir	5_21753021	5.1	proximal promoter
AT5G59260	na	Concanavalin A	5_23910701	5.1	proximal promoter
AT3G54140	PEPTIDE TRANSPORTER 1 (PTR1)	Encodes a di-	3_20048737	5.1	promoter
AT2G06520	PHOTOSYSTEM II SUBUNIT X (PSBX)	Encodes a prot	2_2588475	5.1	promoter
AT2G47470	UNFERTILIZED EMBRYO SAC 5 (UNE5)	Encodes a prot	2_19481246	5.1	promoter
AT2G26910	ATP-BINDING CASSETTE G32 (ABCG32	Encodes a merr	2_11480501	5.09	proximal promoter
AT3G18290	BRUTUS (BTS)	Encodes BRUT	3_6273894	5.09	promoter
AT4G16650	na	O-fucosyltransf	4_9372074	5.09	promoter
AT4G33400	na	Vacuolar import	4_16080698	5.09	promoter
AT1G10560	PLANT U-BOX 18 (PUB18)	Encodes a prot	1_3484441	5.09	promoter
AT1G58180	BETA CARBONIC ANHYDRASE 6 (BCA6)	beta carbonic ai	1_21539948	5.08	promoter
AT1G05470	COTYLEDON VASCULAR PATTERN 2 (C	Encodes an ino	1_1608306	5.08	intron
AT3G24520	HEAT SHOCK TRANSCRIPTION FACTO	member of Heat	3_8943345	5.08	intergenic
AT3G60390	HOMEBOX-LEUCINE ZIPPER PROTEIN	Encodes homec	3_22321420	5.08	intron
AT3G27820	MONODEHYDROASCORBATE REDUCT	Encodes a pero	3_10318427	5.08	intergenic
AT3G24518	na	Potential natura	3_8943345	5.08	proximal promoter
AT2G41905	na	BEST Arabidop	2_17495434	5.08	promoter
AT1G63290	na	Aldolase-type T	1_23473922	5.08	promoter
AT1G63295	na	Remorin family	1_23473922	5.08	downstream
AT1G72130	na	Major facilitator	1_27137145	5.08	promoter
AT2G18240	na	Rer1 family prot	2_7935068	5.08	promoter
AT2G44770	na	ELMO/CED-12	2_18456791	5.08	proximal promoter
AT1G73870	na	B-box type zinc	1_27778336	5.08	proximal promoter
AT3G27825	na	pre-tRNA; tRNA	3_10318427	5.08	downstream
AT3G60380	na	FUNCTIONS IN	3_22321420	5.08	proximal promoter
AT3G27830	RIBOSOMAL PROTEIN L12-A (RPL12-A)	50S ribosomal r	3_10318427	5.08	promoter
AT1G05460	SILENCING DEFECTIVE (SDE3)	Encodes a prot	1_1608306	5.08	intergenic
AT5G06290	2-CYSTEINE PEROXIREDOXIN B (2-Cys	Encodes a 2-Cy	5_1921870	5.07	intergenic
AT5G61440	ATYPICAL CYS HIS RICH THIOREDOXIN	Encodes a merr	5_24707171	5.07	promoter
AT1G02640	BETA-XYLOSIDASE 2 (BXL2)	encodes a prote	1_564648	5.07	exon
AT5G22250	CCR4- ASSOCIATED FACTOR 1B (CAF1	Encodes one of	5_7366638	5.07	five_prime_UTR
AT3G53280	CYTOCHROME P450 71B5 (CYP71B5)	cytochrome P4f	3_19755644	5.07	promoter
AT1G26770	EXPANSIN A10 (EXPA10)	Encodes an exp	1_9258582	5.07	proximal promoter
AT5G06300	LONELY GUY 7 (LOG7)	Putative lysine	5_1921870	5.07	three_prime_UTR
AT5G26140	LONELY GUY 9 (LOG9)	LONELY GUY	5_9132546	5.07	intergenic
AT3G20640	na	basic helix-loop	3_7214071	5.07	proximal promoter
AT3G08636	na	unknown protei	3_2622748	5.07	exon
AT3G08640	na	Protein of unknc	3_2622748	5.07	promoter
AT1G31835	na	unknown protei	1_11423843	5.07	promoter
AT1G31840	na	Tetratricopeptid	1_11423843	5.07	promoter
AT2G32179	na	Potential natura	2_13673427	5.07	downstream
AT2G41380	na	S-adenosyl-L-m	2_17249137	5.07	proximal promoter
AT1G76980	na	BEST Arabidop	1_28927652	5.07	promoter
AT2G32180	PLASTID TRANSCRIPTIONALLY ACTIVE	plastid transcrip	2_13673427	5.07	promoter
AT3G23805	RALF-LIKE 24 (RALFL24)	Member of a div	3_8585782	5.07	proximal promoter
AT1G16130	WALL ASSOCIATED KINASE-LIKE 2 (WA	wall-associated	1_5525313	5.07	promoter
AT5G25620	YUCCA6 (YUC6)	YUCCA6 (YUC	5_8934934	5.07	downstream
AT5G07220	BCL-2-ASSOCIATED ATHANOGENE 3 (E	A member of Ar	5_2265964	5.06	exon
AT1G08830	COPPER/ZINC SUPEROXIDE DISMUTAS	Encodes a cyto	1_2827059	5.06	promoter
AT3G27390	na	unknown protei	3_10132965	5.06	downstream
AT5G41100	na	FUNCTIONS IN	5_16451150	5.06	intergenic
AT5G41110	na	unknown protei	5_16451150	5.06	promoter
AT1G35430	na	unknown protei	1_13031098	5.06	five_prime_UTR
AT3G06410	na	Zinc finger C-x8	3_1951230	5.06	proximal promoter
AT2G42690	na	alpha/beta-Hydr	2_17778099	5.06	promoter
AT2G42700	na	FUNCTIONS IN	2_17778099	5.06	promoter
AT5G44050	na	MATE efflux fan	5_17721719	5.06	proximal promoter
AT5G54470	na	B-box type zinc	5_222113099	5.06	intergenic
AT5G44040	na	unknown protei	5_17721719	5.06	promoter
AT3G27380	SUCCINATE DEHYDROGENASE 2-1 (SD	One of three isc	3_10132965	5.06	promoter
AT3G29760	na	Haloacid dehalc	3_11592399	5.05	proximal promoter

AT2G15440	na	Protein of unknc 2_6743597	5.05	downstream
AT5G41140	na	Myosin heavy c 5_16467576	5.05	proximal promoter
AT5G45940	NUDIX HYDROLASE HOMOLOG 11 (NUI	Encodes a CoA 5_18632080	5.05	proximal promoter
AT1G02840	SERINE/ARGININE-RICH PROTEIN SPLI	SR34/SR1 is a p 1_626736	5.05	promoter
AT1G76890	(GT2)	encodes a plant 1_28878007	5.04	proximal promoter
AT5G66210	CALCIUM-DEPENDENT PROTEIN KINAS	member of Calc 5_26459798	5.04	promoter
AT2G03800	GEK01 (GEK1)	encodes a D-an 2_1156726	5.04	five_prime_UTR
AT1G77370	na	Glutaredoxin far 1_29073781	5.04	promoter
AT5G03668	na	Potential natura 5_950468	5.04	proximal promoter
AT5G46510	na	Disease resistai 5_18860174	5.04	promoter
AT1G65486	na	unknown proteir 1_24349221	5.04	promoter
AT5G60800	na	Heavy metal tra 5_24460445	5.04	intergenic
AT5G66211	na	This gene encoi 5_26459798	5.04	exon
AT4G00335	RING-H2 FINGER B1A (RHB1A)	RING-H2 finger 4_145764	5.04	promoter
AT5G03670	TON1 RECRUITING MOTIF 28 (TRM28)	unknown proteir 5_950468	5.04	intergenic
AT5G37770	TOUCH 2 (TCH2)	Encodes a prot 5_14999589	5.04	five_prime_UTR
AT4G19710	ASPARTATE KINASE-HOMOSERINE DEI	Encodes a bifur 4_10724828	5.03	promoter
AT1G05570	CALLOSE SYNTHASE 1 (CAL51)	Encodes a callo 1_1661109	5.03	proximal promoter
AT1G80560	ISOPROPYLMALATE DEHYDROGENAS1	The AtIMD2 is c 1_30286894	5.03	proximal promoter
AT5G16600	MYB DOMAIN PROTEIN 43 (MYB43)	Encodes a puta 5_5436575	5.03	proximal promoter
AT1G19650	na	Sec14p-like phc 1_6799818	5.03	promoter
AT1G19660	na	Wound-respons 1_6799818	5.03	downstream
AT1G20670	na	DNA-binding bri 1_7168106	5.03	promoter
AT1G66890	na	FUNCTIONS IN 1_24957446	5.03	promoter
AT3G61810	na	Glycosyl hydroli 3_22878655	5.03	downstream
AT1G05575	na	unknown proteir 1_1661109	5.03	intergenic
AT1G05577	na	CONTAINS Inte 1_1661109	5.03	intergenic
AT1G21738	na	unknown proteir 1_7641153	5.03	promoter
AT1G80555	na	Isocitrate/isopro 1_30286894	5.03	promoter
AT1G21740	na	Protein of unknc 1_7641153	5.03	promoter
AT3G52500	na	Eukaryotic aspa 3_19463908	5.03	intergenic
AT4G35720	na	Arabidopsis pro 4_16927798	5.03	promoter
AT5G24610	na	unknown proteir 5_8427943	5.03	promoter
AT1G03080	NETWORKED 1D (NET1D)	kinase interacti 1_738139	5.03	promoter
AT1G48920	NUCLEOLIN LIKE 1 (NUC-L1)	Encodes ATNU 1_18097949	5.03	promoter
AT2G18040	PEPTIDYLPROLYL CIS/TRANS ISOMER/	phosphorylation 2_7842049	5.03	promoter
AT5G04940	SU(VAR)3-9 HOMOLOG 1 (SUVH1)	Encodes a SU(5_1457190	5.03	promoter
AT1G12240	(ATBETAFRUCT4)	Encodes a vacu 1_4151276	5.02	proximal promoter
AT3G47500	CYCLING DOF FACTOR 3 (CDF3)	Dof-type zinc fir 3_17507848	5.02	proximal promoter
AT5G25350	EIN3-BINDING F BOX PROTEIN 2 (EBF2)	Arabidopsis thal 5_8798321	5.02	proximal promoter
AT4G25080	MAGNESIUM-PROTOPORPHYRIN IX ME	Encodes a prote 4_12876892	5.02	intron
AT1G12230	na	Aldolase superf: 1_4151276	5.02	downstream
AT1G67920	na	unknown proteir 1_25472472	5.02	proximal promoter
AT1G15120	na	Ubiquinol-cytocl 1_5202623	5.02	promoter
AT1G67910	na	unknown proteir 1_25472472	5.02	promoter
AT2G23690	na	unknown proteir 2_10074567	5.02	intergenic
AT1G27440	(GUT2)	GUT2; FUNCTI 1_9531527	5.01	promoter
AT5G12230	(MED19A)	MED19A; BEST 5_3956208	5.01	promoter
AT3G51840	ACYL-COA OXIDASE 4 (ACX4)	Encodes a shor 3_19229181	5.01	promoter
AT1G27450	ADENINE PHOSPHORIBOSYL TRANSFE	Adenosine phos 1_9531527	5.01	promoter
AT3G56660	BASIC REGION/LEUCINE ZIPPER MOTIF	basic region/leu 3_20988402	5.01	promoter
AT1G78670	GAMMA-GLUTAMYL HYDROLASE 3 (GG	gamma-glutamyl 1_29590758	5.01	promoter
AT5G33285	na	transposable elk 5_12553582	5.01	intergenic
AT5G48655	na	RING/U-box suj 5_19733104	5.01	promoter
AT5G15810	na	N2,N2-dimethyl 5_5161585	5.01	downstream
AT5G15815	na	pre-tRNA; tRNA 5_5161585	5.01	downstream
AT2G18670	na	RING/U-box suj 2_8094341	5.01	intron
AT2G18680	na	unknown proteir 2_8094341	5.01	promoter
AT1G66180	na	The gene encoc 1_24648543	5.01	three_prime_UTR
AT3G06778	na	Chaperone Dna 3_2142137	5.01	proximal promoter
AT5G60670	na	Ribosomal prote 5_24381788	5.01	promoter
AT3G15730	PHOSPHOLIPASE D ALPHA 1 (PLDALPH	Encodes phosp 3_5330276	5.01	promoter
AT5G43090	PUMILIO 13 (PUM13)	Encodes a merr 5_17295340	5.01	proximal promoter
AT5G66350	SHORT INTERNODES (SHI)	A member of Sh 5_26506584	5.01	promoter
AT5G67180	TARGET OF EARLY ACTIVATION TAGG1	target of early a 5_26804735	5.01	promoter
AT1G24120	ARG1-LIKE 1 (ARL1)	encodes a Dna. 1_8533377	5	proximal promoter
AT5G01747	MICRORNA164B (MIR164B)	Encodes a micr 5_2853399	5	proximal promoter
AT4G09460	MYB DOMAIN PROTEIN 6 (MYB6)	Encodes myb6 1_4_5992911	5	promoter
AT5G01350	na	unknown proteir 5_147279	5	promoter
AT5G50450	na	HCP-like superf 5_20544797	5	promoter
AT1G30050	na	unknown proteir 1_10542282	5	proximal promoter
AT1G21010	na	unknown proteir 1_7346214	5	five_prime_UTR
AT2G44220	na	Protein of Unkn 2_18286377	5	intergenic
AT2G44230	na	Plant protein of 2_18286377	5	promoter
AT3G06540	RAB ESCORT PROTEIN (REP)	Encodes a cyto 3_2034572	5	intergenic
AT1G11350	S-DOMAIN-1 13 (SD1-13)	S-domain-1 13 1_3820892	5	promoter
AT5G01360	TRICHOME BIREFRINGENCE-LIKE 3 (TE	Encodes a merr 5_147279	5	downstream
AT5G56270	WRKY DNA-BINDING PROTEIN 2 (WRK)	Encodes WRKY 5_22779546	5	promoter
AT2G39770	CYTOKINESIS DEFECTIVE 1 (CYT1)	Encodes a GDF 2_16588489	4.99	promoter
AT4G19040	ENHANCED DISEASE RESISTANCE 2 (E	Encodes a PH ε 4_10437861	4.99	promoter
AT4G38580	FARNESYLATED PROTEIN 6 (FP6)	putative farnesy 4_18033859	4.99	proximal promoter
AT4G13850	GLYCINE-RICH RNA-BINDING PROTEIN	Encodes a glyci 4_8020725	4.99	promoter
AT4G36910	LOSS OF THE TIMING OF ET AND JA BI	Encodes a singl 4_17395753	4.99	proximal promoter
AT5G55230	MICROTUBULE-ASSOCIATED PROTEIN	Binds and bund 5_22400907	4.99	proximal promoter
AT3G60340	na	alpha/beta-Hydr 3_22304017	4.99	promoter
AT3G03140	na	Tudor/PWWP/In 3_723847	4.99	promoter
AT4G12735	na	unknown proteir 4_7494397	4.99	promoter
AT4G12740	na	HhH-GPD base 4_7494397	4.99	downstream
AT1G54150	na	E3 Ubiquitin lig 1_20215311	4.99	promoter
AT2G36970	na	UDP-Glycosyltr 2_15528219	4.99	proximal promoter
AT5G55220	na	trigger factor tyr 5_22400907	4.99	downstream
AT5G53900	na	Serine/threonin 5_21884112	4.99	proximal promoter
AT4G14540	NUCLEAR FACTOR Y, SUBUNIT B3 (NF-	nuclear factor Y 4_8344486	4.99	promoter
AT4G38570	PROBABLE CDP-DIACYLGLYCEROL--IN	probable CDP-c 4_18033859	4.99	promoter

AT3G15060	RAB GTPASE HOMOLOG A1G (RABA1g)	RAB GTPase hr 3_5069107	4.99	promoter
AT5G07000	SULFOTRANSFERASE 2B (ST2B)	Encodes a merr 5_2171659	4.99	exon
AT1G54140	TATA BINDING PROTEIN ASSOCIATED I	putative TATA t 1_20215311	4.99	promoter
AT3G08710	THIOREDOXIN H-TYPE 9 (TH9)	Associated to pl 3_2647621	4.99	intergenic
AT1G09850	XYLEM BARK CYSTEINE PEPTIDASE 3 (	Arabidopsis tha 1_3201716	4.99	promoter
AT4G33300	ADR1-LIKE 1 (ADR1-L1)	Encodes a merr 4_16054103	4.98	five_prime_UTR
AT3G51920	CALMODULIN 9 (CAM9)	encodes a diver 3_19266937	4.98	intergenic
AT3G51910	HEAT SHOCK TRANSCRIPTION FACTOR I	member of Heat 3_19266937	4.98	intergenic
AT3G12980	HISTONE ACETYLTRANSFERASE OF TH	Encodes an enz 3_4146284	4.98	promoter
AT1G03515	na	pre-tRNA; tRNA 1_877763	4.98	downstream
AT1G03520	na	Core-2/I-branch 1_877763	4.98	downstream
AT4G33310	na	unknown protei 4_16054103	4.98	proximal promoter
AT5G12340	na	unknown protei 5_3994009	4.98	promoter
AT1G75860	na	unknown protei 1_28486094	4.98	promoter
AT1G75870	na	unknown protei 1_28486094	4.98	promoter
AT2G38260	na	pseudogene, sii 2_16028841	4.98	promoter
AT3G12977	na	NAC (No Apical 3_4146284	4.98	intergenic
AT3G12130	na	KH domain-con 3_3866699	4.98	promoter
AT3G51915	na	unknown protei 3_19266937	4.98	intergenic
AT5G49690	na	UDP-Glycosyltr 5_20189981	4.98	exon
AT4G39615	na	pre-tRNA; tRNA 4_18395142	4.98	downstream
AT5G61560	na	U-box domain-c 5_24752063	4.98	proximal promoter
AT1G49240	ACTIN 8 (ACT8)	Member of a su 1_18215746	4.97	promoter
AT4G29900	AUTOINHIBITED CA(2+)-ATPASE 10 (AC	one of the type 4_14619565	4.97	five_prime_UTR
AT5G57180	CHLOROPLAST IMPORT APPARATUS 2	Transcription re 5_23167797	4.97	promoter
AT4G02130	GALACTURONOSYLTRANSFERASE 6 (C	Encodes a prote 4_948372	4.97	proximal promoter
AT3G16360	HPT PHOSPHOTRANSMITTER 4 (AHP4)	Encodes AHP4, 3_5551211	4.97	intergenic
AT2G19780	na	Leucine-rich re 2_8524278	4.97	five_prime_UTR
AT2G47660	na	unknown protei 2_19543620	4.97	intergenic
AT2G31370	na	Basic-leucine zi 2_13381809	4.97	intergenic
AT2G47670	na	Plant invertase/ 2_19543620	4.97	intergenic
AT3G07320	na	O-Glycosyl hyd 3_2332644	4.97	exon
AT5G15870	na	glycosyl hydrola 5_5184890	4.97	promoter
AT5G15880	na	unknown protei 5_5184890	4.97	proximal promoter
AT5G44320	na	Eukaryotic trans 5_17856862	4.97	promoter
AT2G02220	PHYTOSULFOKIN RECEPTOR 1 (PSKR1	Encodes a prote 2_587303	4.97	promoter
AT3G04280	RESPONSE REGULATOR 22 (RR22)	Encodes an aty 3_1132739	4.97	proximal promoter
AT2G31380	SALT TOLERANCE HOMOLOGUE (STH)	a B-box zinc fin 2_13381809	4.97	promoter
AT2G29090	CYTOCHROME P450, FAMILY 707, SUBF	Encodes a prote 2_12494263	4.96	intergenic
AT2G29080	FTSH PROTEASE 3 (ftsh3)	encodes an Fts 2_12494263	4.96	proximal promoter
AT1G28440	HAESA-LIKE 1 (HSL1)	HAESA-like 1 (t 1_9996799	4.96	promoter
AT4G05470	na	RNI-like superfa 4_2765505	4.96	promoter
AT2G46060	na	transmembrane 2_18945269	4.96	promoter
AT3G45260	na	C2H2-like zinc f 3_16599292	4.96	proximal promoter
AT3G48460	na	GDSL-like Lipas 3_17948330	4.96	proximal promoter
AT4G30710	QWRF DOMAIN CONTAINING 8 (QWRF)	Family of unkno 4_14970583	4.96	proximal promoter
AT4G25350	SHORT HYPOCOTYL UNDER BLUE1 (SH	SHB1 encodes 4_12967206	4.96	proximal promoter
AT4G37330	CYTOCHROME P450, FAMILY 81, SUBF	member of CYP 4_17562380	4.95	three_prime_UTR
AT4G37320	CYTOCHROME P450, FAMILY 81, SUBF	member of CYP 4_17562380	4.95	proximal promoter
AT3G08940	LIGHT HARVESTING COMPLEX PHOTO	Lhcb4.2 protein 3_2717501	4.95	promoter
AT5G65070	MADS AFFECTING FLOWERING 4 (MAF	Encodes MADS 5_25991723	4.95	proximal promoter
AT1G11970	na	Ubiquitin-like su 1_4044387	4.95	exon
AT1G77250	na	RING/FYVE/PH 1_29023626	4.95	promoter
AT2G41710	na	Integrase-type I 2_17403179	4.95	promoter
AT3G08630	na	Protein of unknc 3_2620711	4.95	promoter
AT4G37225	na	Potential natura 4_17517052	4.95	promoter
AT4G37230	na	Photosystem II r 4_17517052	4.95	intron
AT1G26916	na	unknown protei 1_9327227	4.95	exon
AT3G08930	na	LMBR1-like mei 3_2717501	4.95	downstream
AT5G53310	na	myosin heavy ci 5_21634315	4.95	promoter
AT5G62570	na	Calmodulin binc 5_25114070	4.95	promoter
AT5G53300	UBIQUITIN-CONJUGATING ENZYME 10	Encodes a ubiq 5_21634315	4.95	promoter
AT3G14590	(NTMC2T6.2)	NTMC2T6.2; C3_4908101	4.94	promoter
AT1G68552	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 1_25724979	4.94	intergenic
AT4G23220	CYSTEINE-RICH RLK (RECEPTOR-LIKE	Encodes a cyst 4_12153587	4.94	intergenic
AT1G68550	CYTOKININ RESPONSE FACTOR 10 (CF	encodes a mem 1_25724979	4.94	intergenic
AT3G22100	na	basic helix-loop 3_7784645	4.94	promoter
AT1G04985	na	unknown protei 1_1418605	4.94	promoter
AT1G04990	na	Zinc finger C-x8 1_1418605	4.94	intergenic
AT1G79700	na	Integrase-type I 1_29990817	4.94	exon
AT4G37175	na	pre-tRNA; tRNA 4_17502541	4.94	proximal promoter
AT4G23215	na	pseudogene of 4_12153587	4.94	promoter
AT1G04480	na	Ribosomal prote 1_1215856	4.94	promoter
AT1G05960	na	ARM repeat sup 1_1815540	4.94	promoter
AT1G72500	na	LOCATED IN: p 1_27300170	4.94	proximal promoter
AT5G44570	na	unknown protei 5_17964240	4.94	promoter
AT5G51795	na	DNA/RNA-bindin 5_21042239	4.94	intergenic
AT5G56220	na	P-loop containir 5_22754680	4.94	promoter
AT5G44569	na	na 5_17964240	4.94	intergenic
AT5G53110	na	RING/U-box sup 5_21532346	4.94	intron
AT1G06160	OCTADECANOID-RESPONSIVE ARABID	encodes a mem 1_1882739	4.94	promoter
AT5G53120	SPERMIDINE SYNTHASE 3 (SPDS3)	encodes a nove 5_21532346	4.94	proximal promoter
AT4G00440	TON1 RECRUITING MOTIF 15 (TRM15)	FUNCTIONS IN 4_193436	4.94	promoter
AT3G18010	WUSCHEL RELATED HOMEBOX 1 (WU	Encodes a WU: 3_6160987	4.94	downstream
AT1G30330	AUXIN RESPONSE FACTOR 6 (ARF6)	Encodes a merr 1_10685776	4.93	downstream
AT1G75240	HOMEBOX PROTEIN 33 (HB33)	Encodes a zinc 1_28239742	4.93	proximal promoter
AT1G69030	na	BSD domain-co 1_25952036	4.93	proximal promoter
AT5G40800	na	unknown protei 5_16333514	4.93	intergenic
AT2G41410	na	Calcium-binding 2_17262792	4.93	five_prime_UTR
AT5G62820	na	Uncharacterise 5_25225140	4.93	promoter
AT5G67430	na	Acyl-CoA N-acy 5_26912614	4.93	intergenic
AT5G67440	NAKED PINS IN YUC MUTANTS 3 (NPY3	A member of the 5_26912614	4.93	downstream
AT4G37760	SQUALENE EPOXIDASE 3 (SQE3)	squalene epoxi 4_17748713	4.93	intergenic
AT1G75010	ACCUMULATION AND REPLICATION OF	Encodes ARC3 1_28170919	4.92	proximal promoter

AT5G46690	BETA HLH PROTEIN 71 (bHLH071)	beta HLH protei	5_18944301	4.92	proximal promoter
AT5G03280	ETHYLENE INSENSITIVE 2 (EIN2)	Involved in ethy	5_793635	4.92	intergenic
AT1G75750	GAST1 PROTEIN HOMOLOG 1 (GASA1)	GA-responsive	1_28443530	4.92	proximal promoter
AT1G75700	HVA22-LIKE PROTEIN G (HVA22G)	HVA22-like prot	1_28423408	4.92	promoter
AT5G03290	ISOCITRATE DEHYDROGENASE V (IDH)	Encodes a cata	5_793635	4.92	promoter
AT1G75690	LOW QUANTUM YIELD OF PHOTOSYST	DnaJ/Hsp40 cy:	1_28423408	4.92	promoter
AT1G75020	LYSOPHOSPHATIDYL ACYLTRANSFER	lysophosphatidyl	1_28170919	4.92	promoter
AT1G01980	na	member of Reti	1_342252	4.92	promoter
AT1G23440	na	Peptidase C15,	1_8321580	4.92	promoter
AT2G36600	na	pre-tRNA; tRNA	2_15345753	4.92	promoter
AT4G27595	na	Plant protein of	4_13777541	4.92	promoter
AT5G03285	na	other RNA	5_793635	4.92	exon
AT1G66150	TRANSMEMBRANE KINASE 1 (TMK1)	receptor-like tra	1_24631344	4.92	promoter
AT3G27520	na	unknown protei	3_10192207	4.91	promoter
AT3G24490	na	Alcohol dehydr	3_8910711	4.91	promoter
AT2G39220	PATATIN-LIKE PROTEIN 6 (PLP6)	PATATIN-like pi	2_16377025	4.91	promoter
AT4G24040	TREHALASE 1 (TRE1)	Encodes a treh	4_12488025	4.91	promoter
AT1G58520	(RXW8)	RXW8; FUNCT	1_21732451	4.9	intron
AT5G35360	ACETYL CO-ENZYME A CARBOXYLASE	Encodes biotin	5_13584104	4.9	promoter
AT2G34490	CYTOCHROME P450, FAMILY 710, SUB	Encodes a prot	2_14535788	4.9	three_prime_UTR
AT1G09810	EVOLUTIONARILY CONSERVED C-TER	evolutionarily	cc 1_3180559	4.9	intergenic
AT2G20750	EXPANSIN B1 (EXPB1)	member of BET	2_8940996	4.9	promoter
AT3G24927	na	pseudogene of	3_9103659	4.9	intron
AT1G09800	na	Pseudouridine	ε 1_3180559	4.9	promoter
AT1G15670	na	Galactose oxid	1_5387002	4.9	proximal promoter
AT5G41140	na	Myosin heavy c	5_16469533	4.9	intron
AT4G34490	CYCLASE ASSOCIATED PROTEIN 1 (CA	CYCLASE ASS	4_16484043	4.89	intergenic
AT4G09180	FLOWERING BHLH 2 (FBH2)	basic helix-loop	4_5847259	4.89	promoter
AT5G66320	GATA TRANSCRIPTION FACTOR 5 (GAT	Encodes GATA	5_26495847	4.89	downstream
AT4G34480	na	O-Glycosyl hyd	4_16484043	4.89	promoter
AT5G23610	na	INVOLVED IN:	I 5_7960336	4.89	promoter
AT2G22320	na	unknown protei	2_9481106	4.89	intergenic
AT1G49010	na	Duplicated hom	1_18132492	4.89	promoter
AT1G71970	na	unknown protei	1_27092614	4.89	promoter
AT2G26690	na	Major facilitator	2_11350071	4.89	intron
AT2G26692	na	Potential natura	2_11350071	4.89	proximal promoter
AT2G41200	na	unknown protei	2_17171628	4.89	five_prime_UTR
AT2G01410	na	NHL domain-co	2_176548	4.89	promoter
AT3G59470	na	Far-red impair	3_21980791	4.89	promoter
AT5G23630	PHOSPHATE DEFICIENCY RESPONSE :	A member of the	5_7960336	4.89	downstream
AT1G04010	PHOSPHOLIPID STEROL ACYL TRANS	phospholipid ste	1_1036295	4.89	promoter
AT3G02180	SPIRAL1-LIKE3 (SP1L3)	SPIRAL1-LIKE3	3_402683	4.89	proximal promoter
AT4G01100	ADENINE NUCLEOTIDE TRANSPORTER	adenine nucleot	4_480426	4.88	intergenic
AT5G60910	AGAMOUS-LIKE 8 (AGL8)	MADS box gene	5_24508609	4.88	proximal promoter
AT3G45970	EXPANSIN-LIKE A1 (EXLA1)	member of EXP	3_16896064	4.88	promoter
AT5G58560	FARNESOL KINASE (FOLK)	FOLK is a farn	5_23670310	4.88	promoter
AT3G59400	GENOMES UNCOUPLED 4 (GUN4)	GUN, genomes	3_21948418	4.88	intergenic
AT1G78380	GLUTATHIONE S-TRANSFERASE TAU 1	Encodes a gluta	1_29488738	4.88	proximal promoter
AT1G05340	na	unknown protei	1_1559960	4.88	promoter
AT1G05350	na	NAD(P)-binding	1_1559960	4.88	intergenic
AT3G23750	na	Leucine-rich r	ε 3_8561635	4.88	downstream
AT3G23760	na	FUNCTIONS IN	3_8561635	4.88	intergenic
AT4G23103	na	This gene enc	4_12109276	4.88	proximal promoter
AT1G56350	na	Peptide chain	re 1_21094609	4.88	promoter
AT1G75880	na	SGNH hydrolas	1_28489261	4.88	proximal promoter
AT2G01300	na	unknown protei	2_151833	4.88	promoter
AT1G56345	na	Pseudouridine	ε 1_21094609	4.88	promoter
AT3G59390	na	unknown protei	3_21948418	4.88	downstream
AT4G01110	na	unknown protei	4_480426	4.88	exon
AT4G34220	na	Leucine-rich	re 4_16385110	4.88	proximal promoter
AT4G11010	NUCLEOSIDE DIPHOSPHATE KINASE 3	nucleoside diph	4_6734413	4.88	promoter
AT5G54290	(CcdA)	Encodes CcdA,	5_22050539	4.87	promoter
AT3G08580	ADP/ATP CARRIER 1 (AAC1)	mitochondrial	A1 3_2607888	4.87	promoter
AT5G50920	CLPC HOMOLOGUE 1 (CLPC1)	Encodes a prot	5_20720872	4.87	promoter
AT1G12610	DWARF AND DELAYED FLOWERING 1	Encodes a merr	1_4292153	4.87	proximal promoter
AT4G14270	na	Protein contain	4_8218318	4.87	promoter
AT1G16950	na	unknown protei	1_5794644	4.87	proximal promoter
AT2G38250	na	Homeodomain-l	2_16017071	4.87	proximal promoter
AT4G28330	na	unknown protei	4_14023173	4.87	promoter
AT5G39530	na	Protein of unkn	5_15828734	4.87	proximal promoter
AT1G49750	na	Leucine-rich	re 1_18411727	4.87	exon
AT1G74330	na	Protein kinase	ε 1_27947427	4.87	promoter
AT1G26916	na	unknown protei	1_9326001	4.87	proximal promoter
AT3G26486	na	transposable	elk 3_9699575	4.87	intergenic
AT5G04880	na	pseudogene of	5_1422748	4.87	promoter
AT5G04238	na	This gene enc	5_1169059	4.87	downstream
AT5G04885	na	Glycosyl hydro	5_1422748	4.87	promoter
AT4G27800	THYLAKOID-ASSOCIATED PHOSPHATA	Chloroplast prot	4_13854216	4.87	promoter
AT3G01700	ARABINO GALACTAN PROTEIN 11 (AGP	Encodes an ara	3_258567	4.86	promoter
AT3G25690	CHLOROPLAST UNUSUAL POSITIONING	actin binding pr	3_9359548	4.86	intergenic
AT1G04310	ETHYLENE RESPONSE SENSOR 2 (ERS	encodes an eth	1_1157817	4.86	promoter
AT1G04050	HOMOLOG OF SU(VAR)3-9 1 (SUVR1)	Encodes SUVR	1_1049981	4.86	proximal promoter
AT5G56490	L-GULONONO-1,4-LACTONE (L-GULL) O	D-arabinono-1,	4_22871441	4.86	promoter
AT5G65676	na	transposable	elk 5_26257485	4.86	proximal promoter
AT5G11475	na	pre-tRNA; tRNA	5_3668936	4.86	downstream
AT1G12080	na	Vacuolar calci	1_4086529	4.86	intergenic
AT3G01690	na	alpha/beta-Hyd	3_258567	4.86	downstream
AT3G25700	na	Eukaryotic aspa	3_9359548	4.86	exon
AT3G18830	POLYOL/MONOSACCHARIDE TRANSPC	This gene enc	3_6493614	4.86	proximal promoter
AT4G16990	RESISTANCE TO LEPTOSPHAERIA MAC	RESISTANCE 1	4_9559989	4.86	promoter
AT4G36360	BETA-GALACTOSIDASE 3 (BGAL3)	putative beta-g	4_17182228	4.85	proximal promoter
AT2G40080	EARLY FLOWERING 4 (ELF4)	Encodes a nove	2_16735019	4.85	promoter
AT3G30775	EARLY RESPONSIVE TO DEHYDRATION	Encodes a proli	3_12451925	4.85	proximal promoter
AT3G51880	HIGH MOBILITY GROUP B1 (HMG B1)	Encodes a prot	3_19249154	4.85	promoter

AT2G28355	LOW-MOLECULAR-WEIGHT CYSTEINE-	low-molecular-w 2_12117971	4.85	proximal promoter
AT5G07260	na	START (STAR-r 5_2280560	4.85	intergenic
AT3G62940	na	Cysteine protei 3_23265053	4.85	promoter
AT2G40081	na	unknown proteir 2_16735019	4.85	exon
AT1G71150	na	unknown proteir 1_26826852	4.85	promoter
AT3G51890	na	Clathrin light ch: 3_19249154	4.85	intergenic
AT5G18460	na	Protein of Unkn 5_6122694	4.85	promoter
AT5G04020	na	calmodulin bindi 5_1087556	4.85	proximal promoter
AT1G34370	SENSITIVE TO PROTON RHIZOTOXICIT	Encodes a puta 1_12550323	4.85	promoter
AT5G07270	XB3 ORTHOLOG 3 IN ARABIDOPSIS TH	XB3 ortholog 3 i 5_2280560	4.85	promoter
AT2G36870	XYLOGLUCAN ENDOTRANSGLUCOSYL	xyloglucan endc 2_15474810	4.85	promoter
AT1G28130	(GH3.17)	encodes an IAA 1_9828354	4.84	intergenic
AT3G63210	(MARD1)	encodes a nove 3_23352461	4.84	intergenic
AT4G29330	DERLIN-1 (DER1)	DERLIN-1 (DEF 4_14444626	4.84	promoter
AT3G60530	GATA TRANSCRIPTION FACTOR 4 (GAT	Encodes a merr 3_22368832	4.84	intergenic
AT3G50700	INDETERMINATE(ID)-DOMAIN 2 (IDD2)	zinc finger prote 3_18843298	4.84	intergenic
AT4G11985	na	pre-tRNA; tRNA 4_7185600	4.84	promoter
AT2G43795	na	unknown proteir 2_18143532	4.84	proximal promoter
AT1G28135	na	unknown proteir 1_9828354	4.84	proximal promoter
AT1G56210	na	Heavy metal tra 1_21036996	4.84	exon
AT5G50000	na	Protein kinase s 5_20344341	4.84	intron
AT4G11980	NUDIX HYDROLASE HOMOLOG 14 (NUI	nudix hydrolase 4_7185600	4.84	promoter
AT3G29250	SHORT-CHAIN DEHYDROGENASE RED	NAD(P)-binding 3_11195489	4.84	promoter
AT5G52560	UDP-SUGAR PYROPHOSPHORYLASE (	Encodes a prot 5_21330425	4.84	promoter
AT1G73602	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 1_27670440	4.83	promoter
AT3G61610	na	Galactose muta 3_22798336	4.83	proximal promoter
AT4G09190	na	F-box and asso 4_5851840	4.83	intergenic
AT5G44670	na	Domain of unkn 5_18022137	4.83	proximal promoter
AT2G17723	na	Encodes a defe 2_7701264	4.83	intergenic
AT2G19090	na	Protein of unkn 2_8269400	4.83	proximal promoter
AT1G10650	na	SBP (S-ribonuc 1_3526453	4.83	promoter
AT1G73600	na	S-adenosyl-L-m 1_27670440	4.83	intron
AT4G16670	na	CONTAINS Inte 4_9383201	4.83	proximal promoter
AT4G40050	na	FUNCTIONS IN 4_18566679	4.83	proximal promoter
AT5G16550	na	unknown proteir 5_5405330	4.83	promoter
AT3G61600	POZ/BTB CONTAININ G-PROTEIN 1 (PO	POZ/BTB conta 3_22798336	4.83	downstream
AT4G30960	SOS3-INTERACTING PROTEIN 3 (SIP3)	Encodes CBL-ir 4_15063361	4.83	intergenic
AT5G16540	ZINC FINGER NUCLEASE 3 (ZFN3)	Encodes a zinc 5_5405330	4.83	downstream
AT4G29670	ATYPICAL CYS HIS RICH THIOREDOXII	Encodes a merr 4_14537339	4.82	promoter
AT4G29660	EMBRYO DEFECTIVE 2752 (EMB2752)	EMBRYO DEFE 4_14537339	4.82	proximal promoter
AT2G39270	na	P-loop containir 2_16399890	4.82	promoter
AT2G39260	na	binding;RNA bir 2_16399890	4.82	promoter
AT2G23790	na	Protein of unkn 2_10127752	4.82	promoter
AT4G21926	na	unknown proteir 4_11638944	4.82	three_prime_UTR
AT4G21930	na	Protein of unkn 4_11638944	4.82	proximal promoter
AT4G24760	na	alpha/beta-Hydr 4_12764246	4.82	promoter
AT5G38520	na	alpha/beta-Hydr 5_15421436	4.82	promoter
AT5G48900	na	Pectin lyase-like 5_19826807	4.82	intron
AT5G38510	na	Rhomboid-relat 5_15421436	4.82	proximal promoter
AT3G57990	na	unknown proteir 3_21471639	4.82	promoter
AT4G14620	na	Protein of unkn 4_8387881	4.82	intergenic
AT5G23100	na	Protein of unkn 5_7753376	4.82	promoter
AT1G73010	PHOSPHATE STARVATION-INDUCED G	Encodes PPsPz 1_27467386	4.82	proximal promoter
AT2G23320	WRKY DNA-BINDING PROTEIN 15 (WRK	Encodes WRKY 2_9923732	4.82	proximal promoter
AT5G25460	DUF642 L-GALL RESPONSIVE GENE 2	Protein of unkn 5_8863327	4.81	promoter
AT1G78630	EMBRYO DEFECTIVE 1473 (emb1473)	embryo defectiv 1_29575905	4.81	promoter
AT1G07660	na	Histone superfa 1_2368590	4.81	promoter
AT1G79420	na	Protein of unkn 1_29872938	4.81	intron
AT1G80250	na	pre-tRNA; tRNA 1_30173980	4.81	downstream
AT1G03440	na	Leucine-rich rep 1_850763	4.81	proximal promoter
AT1G78620	na	Protein of unkn 1_29575905	4.81	promoter
AT3G14830	na	unknown proteir 3_4986016	4.81	downstream
AT3G14840	na	Leucine-rich rep 3_4986016	4.81	proximal promoter
AT1G73990	SIGNAL PEPTIDE PEPTIDASE (SPPA)	Encodes a puta 1_27824239	4.81	promoter
AT1G71010	FORMS APLOID AND BINUCLEATE CEL	Encodes a prot 1_26782076	4.8	proximal promoter
AT3G48070	na	RING/U-box suj 3_17750587	4.8	promoter
AT4G15260	na	UDP-Glycosyltr: 4_8715123	4.8	exon
AT5G22690	na	Disease resist 5_7541116	4.8	promoter
AT1G50020	na	unknown proteir 1_18521886	4.8	promoter
AT1G05070	na	Protein of unkn 1_1458859	4.8	promoter
AT5G11680	na	FUNCTIONS IN 5_3758787	4.8	promoter
AT4G36660	na	Protein of unkn 4_17287980	4.8	proximal promoter
AT5G45360	na	F-box family prc 5_18387862	4.8	proximal promoter
AT5G45370	na	nodulin MIN21-l 5_18387862	4.8	promoter
AT4G36670	POLYOL/MONOSACCHARIDE TRANSPC	Major facilitator 4_17287980	4.8	exon
AT1G04240	SHORT HYPOCOTYL 2 (SHY2)	SHY2/IAA3 req 1_1131853	4.8	proximal promoter
AT5G56210	WPP DOMAIN INTERACTING PROTEIN ;	Encodes an out 5_22752937	4.8	promoter
AT2G28560	(RAD51B)	Encodes a prot 2_12240409	4.79	proximal promoter
AT3G25620	ATP-BINDING CASSETTE G21 (ABCG21	ABC-2 type tran 3_9315797	4.79	intergenic
AT1G32900	GRANULE BOUND STARCH SYNTHASE	UDP-Glycosyltr: 1_11923896	4.79	promoter
AT1G75240	HOMEODOMAIN PROTEIN 33 (HB33)	Encodes a zinc 1_28241336	4.79	five_prime_UTR
AT4G26760	MICROTUBULE-ASSOCIATED PROTEIN	microtubule-ass 4_13481874	4.79	promoter
AT4G35510	na	unknown proteir 4_16860275	4.79	downstream
AT1G69730	na	Wall-associat 1_26230137	4.79	exon
AT1G22520	na	Domain of unkn 1_7954539	4.79	promoter
AT1G71980	na	Protease-assoc 1_27096808	4.79	proximal promoter
AT1G74370	na	RING/U-box suj 1_27959479	4.79	promoter
AT1G27200	na	CONTAINS Inte 1_9452059	4.79	promoter
AT3G25610	na	ATPase E1-E2 i 3_9315797	4.79	proximal promoter
AT3G49890	na	unknown proteir 3_18499095	4.79	promoter
AT5G06570	na	alpha/beta-Hydr 5_2011174	4.79	promoter
AT5G06580	na	Encodes a prot 5_2011174	4.79	downstream
AT2G41680	NADPH-DEPENDENT THIOREDOXIN RE	Encodes a NAD 2_17379252	4.79	promoter
AT5G15860	PRENYLCYSTEINE METHYLESTERASE	Encodes a prot 5_5181636	4.79	promoter

AT1G03060	SPIRRIG (SPI)	Encodes a WD/	1_727552	4.79	proximal promoter
AT1G74380	XYLOGLUCAN XYLOSYLTRANSFERASE	xyloglucan xylosyl	1_27959479	4.79	promoter
AT4G25050	ACYL CARRIER PROTEIN 4 (ACP4)	encodes an acyl	4_12869991	4.78	promoter
AT2G47000	ATP-BINDING CASSETTE B4 (ABC4)	Encodes an atp	2_19310130	4.78	exon
AT5G41410	BELL 1 (BEL1)	Homeodomain	5_16579955	4.78	promoter
AT1G48300	DIACYLGLYCEROL ACYLTRANSFERASE	unknown protei	1_17846984	4.78	promoter
AT5G22500	FATTY ACID REDUCTASE 1 (FAR1)	Encodes a merr	5_7470303	4.78	promoter
AT2G28740	HISTONE H4 (HIS4)	histone 4	2_12330159	4.78	promoter
AT5G61820	na	FUNCTIONS IN	5_24836787	4.78	promoter
AT5G61830	na	NAD(P)-binding	5_24836787	4.78	promoter
AT5G13970	na	unknown protei	5_4507996	4.78	promoter
AT4G28030	na	Acyl-CoA N-acyl	4_13939812	4.78	proximal promoter
AT4G28040	na	nodulin MIN21-1	4_13939812	4.78	proximal promoter
AT1G56660	na	unknown protei	1_21237827	4.78	promoter
AT2G28720	na	Histone superfa	2_12330159	4.78	intergenic
AT2G28730	na	pre-tRNA; tRNA	2_12330159	4.78	intergenic
AT2G46995	na	unknown protei	2_19310130	4.78	proximal promoter
AT4G21620	na	glycine-rich prot	4_11491409	4.78	promoter
AT5G64040	(PSAN)	Encodes the on	5_25629645	4.77	promoter
AT4G29140	ACTIVATED DISEASE SUSCEPTIBILITY	Encodes Activa	4_14370554	4.77	exon
AT5G15160	BANQUO 2 (BNQ2)	BNQ2 belongs	1_5_4922711	4.77	promoter
AT2G47450	CHAOS (CAO)	A component of	2_19471589	4.77	proximal promoter
AT5G51430	EMBRYO YELLOW (EYE)	Encodes a prot	5_20890993	4.77	promoter
AT5G64050	GLUTAMATE TRNA SYNTHETASE (ERS)	Glutamate-tRNA	5_25629645	4.77	downstream
AT2G17220	KINASE 3 (KIN3)	Encodes a puta	2_7490156	4.77	five_prime_UTR
AT5G55230	MICROTUBULE-ASSOCIATED PROTEIN	Binds and bund	5_22401877	4.77	promoter
AT1G67310	na	Calmodulin-binc	1_25203122	4.77	exon
AT5G07730	na	unknown protei	5_2458529	4.77	promoter
AT5G07740	na	actin binding; F	1_5_2458529	4.77	downstream
AT5G27889	na	This gene encod	5_9903425	4.77	promoter
AT2G23710	na	transposable elk	2_10083858	4.77	proximal promoter
AT2G30270	na	Protein of unkn	2_12907815	4.77	downstream
AT3G01740	na	Mitochondrial r	3_267672	4.77	promoter
AT3G15356	na	Legume lectin f	3_5175635	4.77	promoter
AT2G47440	na	Tetratricopeptid	2_19471589	4.77	exon
AT4G35240	na	Protein of unkn	4_16767577	4.77	promoter
AT5G47330	na	alpha/beta-Hydr	5_19206977	4.77	promoter
AT1G02230	NAC DOMAIN CONTAINING PROTEIN 4	NAC domain co	1_437029	4.77	promoter
AT2G30260	U2 SMALL NUCLEAR RIBONUCLEOPROTEIN	encodes U2B",	2_12907815	4.77	promoter
AT2G15480	UDP-GLUCOSYL TRANSFERASE 73B5 (UGT73B5)	UDP-glucosyl tr	2_6758522	4.77	promoter
AT1G76890	(GT2)	encodes a plant	1_28872826	4.76	downstream
AT1G77850	AUXIN RESPONSE FACTOR 17 (ARF17)	Posttranscriptio	1_29270674	4.76	proximal promoter
AT4G23650	CALCIUM-DEPENDENT PROTEIN KINASE	Encodes calciu	4_12327546	4.76	promoter
AT5G27320	GA INSENSITIVE DWARF1C (GID1C)	Encodes a gibb	5_9628989	4.76	promoter
AT1G15820	LIGHT HARVESTING COMPLEX PHOTOACTIVATED	Lhcb6 protein (L	1_5447888	4.76	promoter
AT4G34120	LOSS OF THE TIMING OF ET AND JA BIOPROCESSING	Encodes a singl	4_16340989	4.76	promoter
AT1G22180	na	Sec14p-like phc	1_7830402	4.76	promoter
AT5G52980	na	CONTAINS Inte	5_21483795	4.76	promoter
AT5G52990	na	SNARE-like sup	5_21483795	4.76	promoter
AT2G42247	na	Potential natura	2_17599735	4.76	exon
AT2G42240	na	RNA-binding (R	2_17599735	4.76	downstream
AT1G27890	na	Polynucleotidyl	1_9715258	4.76	promoter
AT1G27900	na	RNA helicase f	2_1_9715258	4.76	downstream
AT1G15825	na	hydroxyproline-r	1_5447888	4.76	intergenic
AT1G70505	na	unknown protei	1_26570522	4.76	promoter
AT1G76892	na	Potential natura	1_28872826	4.76	promoter
AT2G17705	na	unknown protei	2_7692411	4.76	promoter
AT2G17710	na	unknown protei	2_7692411	4.76	proximal promoter
AT1G15810	na	S15/NS1, RNA-	1_5447888	4.76	intergenic
AT3G45820	na	unknown protei	3_16840777	4.76	intron
AT4G34110	POLY(A) BINDING PROTEIN 2 (PAB2)	Putative poly-A	4_16340989	4.76	intergenic
AT4G23660	POLYPRENYLTRANSFERASE 1 (PPT1)	Encodes para-h	4_12327546	4.76	downstream
AT5G62430	CYCLING DOF FACTOR 1 (CDF1)	Dof-type zinc fir	5_25068328	4.75	intergenic
AT5G22640	EMBRYO DEFECTIVE 1211 (emb1211)	EMB1211 is a l	5_7529208	4.75	promoter
AT5G38480	GENERAL REGULATORY FACTOR 3 (GRF3)	general regulat	5_15409617	4.75	promoter
AT4G28490	HAESA (HAE)	member of Rec	4_14077449	4.75	promoter
AT3G27350	na	unknown protei	3_10130039	4.75	intergenic
AT3G27360	na	Histone superfa	3_10130039	4.75	promoter
AT2G28400	na	Protein of unkn	2_12149165	4.75	promoter
AT3G59580	na	Plant regulator	1_3_22009016	4.75	promoter
AT1G63010	na	Major Facilitator	1_23352656	4.75	intron
AT2G17960	na	unknown protei	2_7816606	4.75	intergenic
AT3G28050	na	nodulin MIN21-1	3_10443969	4.75	intron
AT4G00200	na	AT hook motif	4_85047	4.75	promoter
AT4G09160	na	SEC14 cytosolic	4_5839676	4.75	promoter
AT4G16745	na	Exostosin family	4_9415400	4.75	intergenic
AT4G32270	na	Ubiquitin-like su	4_15574827	4.75	downstream
AT2G37040	PHE AMMONIA LYASE 1 (pal1)	Encodes PAL1,	2_15561375	4.75	proximal promoter
AT4G32260	PIGMENT DEFECTIVE 334 (PDE334)	ATPase, F0 cor	4_15574827	4.75	promoter
AT3G19380	PLANT U-BOX 25 (PUB25)	plant U-box 25	3_6716821	4.75	proximal promoter
AT5G67400	ROOT HAIR SPECIFIC 19 (RHS19)	root hair specif	5_26894453	4.75	promoter
AT3G27380	SUCCINATE DEHYDROGENASE 2-1 (SDH2-1)	One of three isc	3_10130039	4.75	three_prime_UTR
AT3G11570	TRICHOME BIREFRINGENCE-LIKE 8 (TBL8)	Encodes a merr	3_3647877	4.75	promoter
AT3G04670	WRKY DNA-BINDING PROTEIN 39 (WRKY39)	member of WRK	3_1269111	4.75	proximal promoter
AT1G28130	(GH3.17)	encodes an IAA	1_9822418	4.74	proximal promoter
AT5G09250	(KIWI)	putative transcr	5_2876638	4.74	promoter
AT2G45190	ABNORMAL FLORAL ORGANS (AFO)	Encodes a merr	2_18628720	4.74	intron
AT5G45340	CYTOCHROME P450, FAMILY 707, SUBFAMILY 1 (CYP707C1)	Encodes a prot	5_18373009	4.74	proximal promoter
AT4G11600	GLUTATHIONE PEROXIDASE 6 (GPX6)	Encodes glutath	4_7011498	4.74	promoter
AT2G39930	ISOAMYLASE 1 (ISA1)	Encodes an iso	2_16665629	4.74	promoter
AT2G42890	MEI2-LIKE 2 (ML2)	A member of me	2_17854513	4.74	three_prime_UTR
AT2G16720	MYB DOMAIN PROTEIN 7 (MYB7)	Encodes a merr	2_7255949	4.74	exon
AT3G59020	na	ARM repeat sup	3_21817633	4.74	promoter
AT1G32650	na	unknown protei	1_11810002	4.74	intergenic

AT3G15430	na	Regulator of chr 3_5208597	4.74	promoter
AT4G26380	na	Cysteine/Histidi 4_13337931	4.74	promoter
AT1G01880	na	5'-3' exonucleas 1_309758	4.74	proximal promoter
AT1G01890	na	pre-tRNA; tRNA 1_309758	4.74	promoter
AT2G42900	na	Plant basic secr 2_17854513	4.74	promoter
AT4G11610	na	C2 calcium/lipid 4_7018487	4.74	promoter
AT4G34770	na	SAUR-like auxir 4_16587838	4.74	intergenic
AT5G56365	na	pre-tRNA; tRNA 5_22828262	4.74	downstream
AT5G58640	na	Selenoprotein, f 5_23697745	4.74	promoter
AT3G15500	na	NAC DOMAIN CONTAINING PROTEIN 3	4.74	intergenic
AT2G43040	na	NO POLLEN GERMINATION 1 (NPG1)	4.74	promoter
AT2G34650	na	PINOID (PID)	4.74	promoter
AT5G24520	na	TRANSPARENT TESTA GLABRA 1 (TTG	4.74	proximal promoter
AT3G23730	na	XYLOGLUCAN ENDOTRANSGLUCOSYL	4.74	proximal promoter
AT4G24280	na	CHLOROPLAST HEAT SHOCK PROTEIN	4.73	promoter
AT1G61340	na	F-BOX STRESS INDUCED 1 (FBS1)	4.73	promoter
AT5G10300	na	METHYL ESTERASE 5 (MESS)	4.73	promoter
AT1G55525	na	Unknown gene 1_20728155	4.73	downstream
AT2G20515	na	unknown proteir 2_8839857	4.73	promoter
AT3G29647	na	transposable elk 3_11510280	4.73	intergenic
AT5G10290	na	leucine-rich repi 5_3239226	4.73	proximal promoter
AT4G31340	na	myosin heavy ci 4_15205445	4.73	promoter
AT5G15780	na	Pollen Ole e 1 a 5_5147419	4.73	proximal promoter
AT1G04430	na	S-adenosyl-L-m 1_1197721	4.73	promoter
AT1G26790	na	Dof-type zinc fir 1_9275370	4.73	promoter
AT1G60010	na	unknown proteir 1_22100041	4.73	intergenic
AT3G24420	na	alpha/beta-Hydr 3_8866883	4.73	proximal promoter
AT4G08850	na	Leucine-rich ref 4_5640543	4.73	five_prime_UTR
AT4G18975	na	Pentatricopeptid 4_10393974	4.73	intron
AT4G24275	na	Identified as a s 4_12589876	4.73	intergenic
AT5G23340	na	RNI-like superfa 5_7856009	4.73	promoter
AT5G48412	na	na 5_19624240	4.73	promoter
AT5G52530	na	dentin sialophos 5_21317005	4.73	promoter
AT3G54110	na	PLANT UNCOUPLING MITOCHONDRIAL	4.73	promoter
AT2G16600	na	ROTAMASE CYP 3 (ROC3)	4.73	promoter
AT1G55520	na	TATA BINDING PROTEIN 2 (TBP2)	4.73	promoter
AT2G20510	na	TRANSLOCASE INNER MEMBRANE SU	4.73	proximal promoter
AT1G73030	na	(VPS46.2)	4.72	promoter
AT4G00730	na	ANTHOCYANINLESS 2 (ANL2)	4.72	five_prime_UTR
AT1G21910	na	DEHYDRATION RESPONSE ELEMENT-E	4.72	proximal promoter
AT5G54510	na	DWARF IN LIGHT 1 (DFL1)	4.72	intergenic
AT2G28950	na	EXPANSIN A6 (EXPA6)	4.72	proximal promoter
AT1G32550	na	FERREDOXIN C 2 (FdC2)	4.72	promoter
AT2G44910	na	HOMEBOX-LEUCINE ZIPPER PROTEIN	4.72	intron
AT5G17460	na	unknown proteir 5_5759994	4.72	promoter
AT1G73020	na	unknown proteir 1_27473750	4.72	promoter
AT1G64850	na	Calcium-binding 1_24097824	4.72	promoter
AT1G21740	na	Protein of unknk 1_7645474	4.72	intergenic
AT2G45126	na	unknown proteir 2_18605720	4.72	downstream
AT3G60540	na	Preprotein trans 3_22376144	4.72	promoter
AT4G13010	na	Oxidoreductase 4_7600494	4.72	promoter
AT1G31885	na	NOD26-LIKE INTRINSIC PROTEIN 3;1 (N	4.72	intergenic
AT1G21750	na	PDI-LIKE 1-1 (PDIL1-1)	4.72	promoter
AT3G20250	na	PUMILIO 5 (PUM5)	4.72	promoter
AT1G64860	na	SIGMA FACTOR A (SIGA)	4.72	promoter
AT4G22756	na	STEROL C4-METHYL OXIDASE 1-2 (SMC	4.72	proximal promoter
AT1G56440	na	TETRATRICOPEPTIDE REPEAT 5 (TPR5	4.72	promoter
AT1G32400	na	TOBAMOVIRUS MULTIPLICATION 2A (T	4.72	promoter
AT3G04910	na	WITH NO LYSINE (K) KINASE 1 (WNK1)	4.72	proximal promoter
AT3G10920	na	MANGANESE SUPEROXIDE DISMUTASI	4.71	downstream
AT3G29770	na	METHYL ESTERASE 11 (MES11)	4.71	promoter
AT2G26511	na	unknown proteir 2_11277802	4.71	exon
AT3G63450	na	RNA-binding (R 3_23429965	4.71	proximal promoter
AT3G63460	na	transducin famil 3_23429965	4.71	intergenic
AT3G10930	na	unknown proteir 3_3420059	4.71	downstream
AT3G10030	na	aspartate/glutar 3_3094919	4.71	five_prime_UTR
AT2G26510	na	PIGMENT DEFECTIVE EMBRYO 135 (PD	4.71	downstream
AT2G22680	na	WAV3 HOMOLOG 1 (WAVH1)	4.71	exon
AT3G61050	na	(NTMC2T4)	4.7	promoter
AT3G16150	na	ASPARAGINASE B1 (ASPGB1)	4.7	exon
AT3G01480	na	CYCLOPHILIN 38 (CYP38)	4.7	promoter
AT3G51590	na	LIPID TRANSFER PROTEIN 12 (LTP12)	4.7	three_prime_UTR
AT2G17480	na	MILDEW RESISTANCE LOCUS O 8 (MLC	4.7	promoter
AT1G02816	na	Protein of unknk 1_621426	4.7	promoter
AT1G74790	na	catalytics; FUNK 1_28098633	4.7	promoter
AT1G74780	na	Nodulin-like / M; 1_28098633	4.7	intergenic
AT2G47100	na	pre-tRNA; tRNA 2_19344511	4.7	downstream
AT3G57770	na	Protein kinase s 3_21397627	4.7	exon
AT3G57760	na	Protein kinase s 3_21397627	4.7	intergenic
AT4G14930	na	Survival protein 4_8538278	4.7	promoter
AT4G31860	na	Protein phosph 4_15409175	4.7	promoter
AT4G32460	na	FUNCTIONS IN 4_15663656	4.7	intron
AT5G40540	na	Protein kinase s 5_16236870	4.7	promoter
AT1G52290	na	PROLINE-RICH EXTENSIN-LIKE RECEP	4.7	proximal promoter
AT3G23810	na	S-ADENOSYL-L-HOMOCYSTEINE (SAH)	4.7	intergenic
AT5G62690	na	TUBULIN BETA CHAIN 2 (TUB2)	4.7	promoter
AT3G57765	na	U2 SMALL NUCLEOLAR RNA3 (U2.3)	4.7	exon
AT2G47110	na	UBIQUITIN 6 (UBQ6)	4.7	promoter
AT1G17720	na	(ATB BETA)	4.69	promoter
AT1G62520	na	unknown proteir 1_23145215	4.69	exon
AT5G03330	na	Cysteine proteir 5_805969	4.69	proximal promoter
AT4G29000	na	Tesmin/TSO1-ii 4_14293332	4.69	promoter
AT5G24830	na	Tetratricopeptid 5_8529517	4.69	proximal promoter
AT1G17730	na	VACUOLAR PROTEIN SORTING 46.1 (VI	4.69	proximal promoter

AT2G35600	BREVIS RADIX-LIKE 1 (BRXL1)	Belongs to five- 2_14945502	4.68	promoter
AT4G00330	CALMODULIN-BINDING RECEPTOR-LIK	high overall hon 4_144492	4.68	five_prime_UTR
AT3G52370	FASCICLIN-LIKE ARABINOGLACTAN P	FASCICLIN-like 3_19417233	4.68	promoter
AT1G65960	GLUTAMATE DECARBOXYLASE 2 (GAD	glutamate decar 1_24555295	4.68	intron
AT2G18840	na	Integral membr 2_8158157	4.68	promoter
AT1G15240	na	Phox-associat 1_5243357	4.68	promoter
AT1G77520	na	O-methyltransf 1_29130116	4.68	promoter
AT2G43120	na	RmlC-like cupin 2_17927216	4.68	promoter
AT2G17730	NEP-INTERACTING PROTEIN 2 (NIP2)	Intrinsic thylakoi 2_7703954	4.68	five_prime_UTR
AT3G53180	NODULIN/GLUTAMINE SYNTHASE-LIKE	Encodes a prot 3_19706855	4.68	promoter
AT1G20980	SQUAMOS A PROMOTER BINDING PRO	Encodes a nucl 1_7321365	4.68	intergenic
AT1G13210	AUTOINHIBITED CA2+/ATPASE II (ACA.I)	autoinhibited Ca 1_4515265	4.67	proximal promoter
AT3G23150	ETHYLENE RESPONSE 2 (ETR2)	Involved in ethy 3_8254592	4.67	promoter
AT2G22840	GROWTH-REGULATING FACTOR 1 (GR	Growth regulati 2_9728149	4.67	proximal promoter
AT1G07090	LIGHT SENSITIVE HYPOCOTYLS 6 (LSH	LIGHT SENSITI 1_2176372	4.67	proximal promoter
AT1G13220	LITTLE NUCLEI2 (LINC2)	Encodes a nucl 1_4515265	4.67	promoter
AT1G13360	na	unknown protei 1_4581071	4.67	intergenic
AT1G54420	na	unknown protei 1_20311715	4.67	intron
AT1G54410	na	dehydrin family 1_20311715	4.67	proximal promoter
AT4G32570	TIFY DOMAIN PROTEIN 8 (TIFY8)	TIFY domain pr 4_15717910	4.67	intron
AT2G29740	UDP-GLUCOSYL TRANSFERASE 71C2 (	UDP-glucosyl tr 2_12707877	4.67	exon
AT3G19450	(ATCAD4)	Encodes a cata 3_6743596	4.66	proximal promoter
AT3G60120	BETA GLUCOSIDASE 27 (BGLU27)	beta glucosidas 3_22205758	4.66	promoter
AT2G20900	DIACYLGLYCEROL KINASE 5 (DGK5)	diacylglycerol ki 2_8993173	4.66	promoter
AT2G31230	ETHYLENE-RESPONSIVE ELEMENT BIN	encodes a mem 2_13309604	4.66	proximal promoter
AT3G12970	na	unknown protei 3_4142576	4.66	promoter
AT1G49840	na	Protein of unkn 1_18452002	4.66	promoter
AT1G65870	na	Disease resist 1_24503405	4.66	promoter
AT1G73600	na	S-adenosyl-L-m 1_27665771	4.66	intergenic
AT3G23080	na	Polyketide cycl 3_8209319	4.66	intron
AT3G27880	na	Protein of unkn 3_10338356	4.66	five_prime_UTR
AT4G00085	na	pre-tRNA; tRNA 4_33940	4.66	downstream
AT4G00090	na	Transducin/WD 4_33940	4.66	promoter
AT1G16880	ACT DOMAIN REPEATS 11 (ACR11)	Encodes a ACT 1_5775524	4.65	intron
AT3G03050	CELLULOSE SYNTHASE-LIKE D3 (CSLD	encodes a cellu 3_686792	4.65	promoter
AT1G12920	EUKARYOTIC RELEASE FACTOR 1-2 (E	Encodes a euk 1_4398225	4.65	promoter
AT3G56090	FERRITIN 3 (FER3)	Encodes FERR 3_20816025	4.65	five_prime_UTR
AT3G56085	na	pre-tRNA; tRNA 3_20816025	4.65	proximal promoter
AT5G55830	na	Concanavalin A 5_22594454	4.65	promoter
AT1G50659	na	1_18771128	4.65	five_prime_UTR
AT1G50660	na	unknown protei 1_18771128	4.65	five_prime_UTR
AT1G48960	na	Adenine nucleoi 1_18112445	4.65	promoter
AT1G26208	na	Potential natura 1_9069403	4.65	promoter
AT3G04920	na	Ribosomal prote 3_1359844	4.65	proximal promoter
AT3G27200	na	Cupredoxin sup 3_10043809	4.65	exon
AT3G62580	na	Late embryo ger 3_23146751	4.65	promoter
AT4G30370	na	RING/U-box suj 4_14859897	4.65	promoter
AT5G13181	na	This gene encod 5_4201833	4.65	proximal promoter
AT5G58575	na	CONTAINS Inte 5_23673533	4.65	promoter
AT2G30520	ROOT PHOTOTROPISM 2 (RPT2)	light inducible rc 2_13005734	4.65	promoter
AT2G22970	SERINE CARBOXYPEPTIDASE-LIKE 11	(serine carboxyp 2_9778840	4.65	intergenic
AT2G22980	SERINE CARBOXYPEPTIDASE-LIKE 13	(serine carboxyp 2_9778840	4.65	promoter
AT5G56180	ACTIN-RELATED PROTEIN 8 (ARP8)	encodes a prote 5_22741203	4.64	promoter
AT1G23740	ALKENAL/ONE OXIDOREDUCTASE (AOI	AOR is an alker 1_8399917	4.64	promoter
AT5G13010	EMBRYO DEFECTIVE 3011 (EMB3011)	embryo defectiv 5_4121598	4.64	proximal promoter
AT5G13000	GLUCAN SYNTHASE-LIKE 12 (GLS12)	encodes a gene 5_4121598	4.64	promoter
AT4G37420	na	Domain of unkn 4_17594419	4.64	exon
AT1G22430	na	GroES-like zinc 1_7920156	4.64	intron
AT5G56190	na	Transducin/WD 5_22741203	4.64	proximal promoter
AT2G21172	na	Pseudogene of 2_9073264	4.64	intergenic
AT3G48660	na	Protein of unkn 3_18027857	4.64	proximal promoter
AT1G76360	na	Protein kinase s 1_28648202	4.64	proximal promoter
AT2G35710	na	Nucleotide-diph 2_15015949	4.64	proximal promoter
AT4G17960	na	unknown protei 4_9969619	4.64	proximal promoter
AT4G31075	na	pre-tRNA; tRNA 4_15120745	4.64	downstream
AT4G31080	na	Protein of unkn 4_15120745	4.64	promoter
AT2G35720	ORIENTATION UNDER VERY LOW FLUE	Encodes OWL1 2_15015949	4.64	proximal promoter
AT2G21170	TRIOSEPHOSPHATE ISOMERASE (TIM)	Encodes a plasi 2_9073264	4.64	promoter
AT1G64780	AMMONIUM TRANSPORTER 1;2 (AMT1;	encodes an ami 1_24061067	4.63	exon
AT4G35310	CALMODULIN-DOMAIN PROTEIN KINAS	calmodulin-dom 4_16801874	4.63	promoter
AT3G17998	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 3_6153792	4.63	proximal promoter
AT1G28200	FH INTERACTING PROTEIN 1 (FIP1)	VirF-interactin 1_9852486	4.63	promoter
AT2G01430	HOMEBOX-LEUCINE ZIPPER PROTEIN	homeobox-leuci 2_193435	4.63	intergenic
AT3G02550	LOB DOMAIN-CONTAINING PROTEIN 41	LOB domain-co 3_539488	4.63	proximal promoter
AT2G01450	MAP KINASE 17 (MPK17)	member of MAF 2_202311	4.63	intron
AT1G07170	na	Similar to huma 1_2200027	4.63	promoter
AT1G61880	na	pre-tRNA; tRNA 1_22866716	4.63	downstream
AT2G01440	na	DEAD/DEAH bc 2_193435	4.63	intergenic
AT1G61890	na	MATE efflux fan 1_22866716	4.63	intergenic
AT3G02555	na	unknown protei 3_539488	4.63	downstream
AT4G10270	na	Wound-respons 4_6374600	4.63	promoter
AT2G46870	NGATHA1 (NGA1)	NGATHA1 (NG. 2_19260886	4.63	promoter
AT3G59010	PECTIN METHYLESTERASE 61 (PME61)	pectin methyles 3_21807013	4.63	proximal promoter
AT1G61870	PENTATRICOPEPTIDE REPEAT 336 (PP	pentatricopeptic 1_22866716	4.63	promoter
AT3G18000	XIPOTL 1 (XPL1)	Arabidopsis thal 3_6153792	4.63	proximal promoter
AT3G54020	ARABIDOPSIS INOSITOL PHOSPHORYL	Inositol phosph 3_20008581	4.62	intergenic
AT5G48810	CYTOCHROME B5 ISOFORM D (CB5-D)	Encodes a cytoi 5_19792178	4.62	proximal promoter
AT1G35580	CYTOSOLIC INVERTASE 1 (CINV1)	CINV1 / A/N-Inv 1_13125423	4.62	promoter
AT5G57800	ECERIFERUM 3 (CER3)	encodes a trans 5_23419192	4.62	proximal promoter
AT5G55730	FASCICLIN-LIKE ARABINOGLACTAN 1	Encodes fascicl 5_22560558	4.62	promoter
AT5G48820	INHIBITOR/INTERACTOR WITH CYCLIN-	Kip-related prot 5_19792178	4.62	downstream
AT4G12290	na	Copper amine c 4_7305481	4.62	exon
AT2G33320	na	Calcium-depend 2_14122103	4.62	promoter
AT5G58000	na	Reticulon family 5_23476541	4.62	proximal promoter

AT1G19160	na	F-box family prc 1_6614167	4.62	exon
AT1G55675	na	unknown proteir 1_20803670	4.62	downstream
AT1G55680	na	Transducin/WD 1_20803670	4.62	intergenic
AT1G66180	na	The gene encoc 1_24650245	4.62	intergenic
AT1G19150	PHOTOSYSTEM I LIGHT HARVESTING C	PSI type II chlor 1_6614167	4.62	downstream
AT1G55670	PHOTOSYSTEM I SUBUNIT G (PSAG)	Encodes subun 1_20803670	4.62	promoter
AT2G33330	PLASMODESMATA-LOCATED PROTEIN	Encodes a plasi 2_14122103	4.62	intergenic
AT5G46790	PYR1-LIKE 1 (PYL1)	Encodes a merr 5_18982405	4.62	intergenic
AT2G40330	PYR1-LIKE 6 (PYL6)	Encodes a merr 2_16846073	4.62	promoter
AT1G76030	V-ATPASE B SUBUNIT 1 (VAB1)	One of three ge 1_28533799	4.62	five_prime_UTR
AT3G02720	(DJ1D)	Class I glutamin 3_586201	4.61	promoter
AT1G20440	COLD-REGULATED 47 (COR47)	Belongs to the c 1_7086709	4.61	proximal promoter
AT5G09463	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 5_2943960	4.61	three_prime_UTR
AT5G09462	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 5_2943960	4.61	three_prime_UTR
AT5G09461	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 5_2943960	4.61	three_prime_UTR
AT5G15850	CONSTANS-LIKE 1 (COL1)	Homologous to 5_5177696	4.61	five_prime_UTR
AT5G15845	na	Potential natura 5_5177696	4.61	five_prime_UTR
AT5G15853	na	unknown proteir 5_5177696	4.61	promoter
AT2G02370	na	SNARE associa 2_620904	4.61	promoter
AT4G01090	na	Protein of unknk 4_473820	4.61	promoter
AT4G35610	na	zinc finger (C2H 4_16900491	4.61	promoter
AT5G52840	na	NADH-ubiquino 5_21412898	4.61	proximal promoter
AT1G15280	na	CASC3/Barents 1_5252215	4.61	promoter
AT1G48450	na	Protein of unknk 1_17911214	4.61	proximal promoter
AT1G48460	na	unknown proteir 1_17911214	4.61	promoter
AT1G63750	na	Disease resist 1_23650525	4.61	promoter
AT1G15270	na	Translation mac 1_5252215	4.61	promoter
AT3G02715	na	pre-tRNA; tRNA 3_586201	4.61	downstream
AT2G21300	na	ATP binding mic 2_9121353	4.61	proximal promoter
AT3G08670	na	unknown proteir 3_2633261	4.61	promoter
AT4G33040	na	Thioredoxin sup 4_15939711	4.61	intergenic
AT5G09450	na	Tetratricopeptid 5_2943960	4.61	intergenic
AT5G09460	na	sequence-speci 5_2943960	4.61	three_prime_UTR
AT4G29390	na	Ribosomal prote 4_14466096	4.61	promoter
AT5G40450	na	unknown proteir 5_16195735	4.61	promoter
AT5G55896	na	transposable elk 5_22634136	4.61	proximal promoter
AT5G67411	na	GRAS family tra 5_26899801	4.61	proximal promoter
AT2G02360	PHLOEM PROTEIN 2-B10 (PP2-B10)	phloem protein : 2_620904	4.61	promoter
AT5G15860	PRENYLCYSTEINE METHYLESTERASE	Encodes a prote 5_5177696	4.61	intergenic
AT3G62440	SECONDARY WALL THICKENING-ASSO	Encodes an F-b 3_23097877	4.61	promoter
AT2G22300	SIGNAL RESPONSIVE 1 (SR1)	Encodes a puta 2_9471355	4.61	intron
AT5G52830	WRKY DNA-BINDING PROTEIN 27 (WRK	Encodes a WR1 5_21412898	4.61	intergenic
AT4G37410	CYTOCHROME P450, FAMILY 81, SUBF	member of CYP 4_17589095	4.6	proximal promoter
AT3G47490	na	HNH endonucle 3_17501556	4.6	intergenic
AT5G19730	na	Pectin lyase-like 5_6671581	4.6	intron
AT5G01110	na	Tetratricopeptid 5_40975	4.6	intergenic
AT3G17070	na	Peroxidase fam 3_5820429	4.6	proximal promoter
AT4G17890	ARF-GAP DOMAIN 8 (AGD8)	A member of AF 4_9936410	4.59	proximal promoter
AT3G53460	CHLOROPLAST RNA-BINDING PROTEIN	Encodes a nucl 3_19819006	4.59	downstream
AT5G42900	COLD REGULATED GENE 27 (COR27)	cold regulated c 5_17199863	4.59	promoter
AT2G40880	CYSTATIN A (CYSA)	Encodes a prote 2_17057326	4.59	promoter
AT1G13090	CYTOCHROME P450, FAMILY 71, SUBF	putative cytochr 1_4461718	4.59	promoter
AT3G04290	LI-TOLERANT LIPASE 1 (LTL1)	Li-tolerant lipas 3_1134211	4.59	intron
AT1G18835	MINI ZINC FINGER 3 (MIF3)	Encodes a sma1 1_6497108	4.59	proximal promoter
AT2G40860	na	protein kinase fr 2_17057326	4.59	promoter
AT3G26910	na	hydroxyproline-i 3_9918850	4.59	promoter
AT4G18820	na	AAA-type ATPa 4_10328375	4.59	proximal promoter
AT3G02560	na	Ribosomal prote 3_541544	4.59	promoter
AT3G04605	na	transposable elk 3_1246598	4.59	promoter
AT3G13670	na	Protein kinase fr 3_4469124	4.59	promoter
AT3G02555	na	unknown proteir 3_541544	4.59	promoter
AT3G48760	na	DHHC-type zinc 3_18074788	4.59	proximal promoter
AT3G53990	na	Adenine nucleoi 3_19989473	4.59	three_prime_UTR
AT5G04390	na	C2H2-type zinc 5_1238925	4.59	promoter
AT5G40720	na	CONTAINS Inte 5_16299627	4.59	exon
AT5G39770	na	Represents a nr 5_15927934	4.59	promoter
AT1G08300	NO VEIN-LIKE (NVL)	NO VEIN-LIKE i 1_2614523	4.59	promoter
AT1G06680	PHOTOSYSTEM II SUBUNIT P-1 (PSBP-1	Encodes a 23 k 1_2047796	4.59	promoter
AT1G44750	PURINE PERMEASE 11 (PUP11)	Member of a far 1_16892566	4.59	promoter
AT1G20980	SQUAMOSA PROMOTER BINDING PRO	Encodes a nucl 1_7324459	4.59	promoter
AT3G57140	SUGAR-DEPENDENT 1-LIKE (SDP1-LIKE	sugar-depender 3_21150642	4.59	three_prime_UTR
AT4G28390	ADP/ATP CARRIER 3 (AAC3)	Encodes a mito 4_14043385	4.58	promoter
AT2G23760	BEL1-LIKE HOMEODOMAIN 4 (BLH4)	Encodes a merr 2_10108148	4.58	exon
AT3G50660	DWARF 4 (DWF4)	Encodes a 22& 3_18819638	4.58	proximal promoter
AT4G03240	FRATAXIN HOMOLOG (FH)	Encodes AtFH, 4_1424880	4.58	promoter
AT1G66200	GLUTAMINE SYNTHASE CLONE F11 (G	encodes a cytos 1_24658463	4.58	proximal promoter
AT1G50460	HEXOKINASE-LIKE 1 (HKL1)	Involved in gluc 1_18691722	4.58	proximal promoter
AT3G01510	LIKE SEX4 1 (LSF1)	Encodes a puta 3_201832	4.58	promoter
AT3G01513	na	unknown proteir 3_201832	4.58	downstream
AT2G23755	na	unknown proteir 2_10108148	4.58	intergenic
AT2G35260	na	unknown proteir 2_14851896	4.58	three_prime_UTR
AT1G09660	na	RNA-binding Kf 1_3131209	4.58	promoter
AT1G75960	na	AMP-dependen 1_28518862	4.58	exon
AT1G75970	na	pre-tRNA; tRNA 1_28518862	4.58	intergenic
AT4G03250	na	Homeodomain-l 4_1424880	4.58	promoter
AT5G27395	na	Mitochondrial in 5_9674282	4.58	promoter
AT5G27390	na	Mog1/PsbP/DU 5_9674282	4.58	downstream
AT5G55010	na	unknown proteir 5_22323484	4.58	intergenic
AT1G21900	P24 SUBFAMILY DELTA 5, P24DELTA5	Encodes an ER 1_7692525	4.58	promoter
AT1G08560	SYNTAXIN OF PLANTS 111 (SYP111)	member of SYP 1_2711148	4.58	promoter
AT1G46408	AGAMOUS-LIKE 97 (AGL97)	AGAMOUS-like 1_17235423	4.57	proximal promoter
AT4G24080	ALDOLASE LIKE (ALL1)	aldolase like (Al 4_12512243	4.57	exon
AT1G76080	CHLOROPLASTIC DROUGHT-INDUCED	Encodes a thior 1_28549667	4.57	promoter
AT5G49330	MYB DOMAIN PROTEIN 111 (MYB111)	Member of the F 5_19999958	4.57	intron

AT5G46417	na	unknown protei	5_18829795	4.57	exon
AT2G40620	na	Basic-leucine zi	2_16953919	4.57	intergenic
AT4G24090	na	unknown protei	4_12512243	4.57	promoter
AT5G49334	na	This gene enco	5_20005293	4.57	proximal promoter
AT4G21865	na	unknown protei	4_11604474	4.57	intergenic
AT4G21870	na	HSP20-like chai	4_11604474	4.57	promoter
AT4G21880	na	Pentatricopeptic	4_11604474	4.57	proximal promoter
AT1G35350	na	EXS (ERD1/XPI	1_12986647	4.57	proximal promoter
AT1G69300	na	pre-tRNA; tRNA	1_26050894	4.57	intergenic
AT3G10470	na	C2H2-type zinc	3_3259729	4.57	proximal promoter
AT2G28920	na	RING/U-box su	2_12419910	4.57	intergenic
AT2G36690	na	2-oxoglutarate	(2_15375200	4.57	intergenic
AT3G18815	na	pre-tRNA; tRNA	3_6484098	4.57	promoter
AT3G44190	na	FAD/NAD(P)-bi	3_15903601	4.57	five_prime_UTR
AT4G22850	na	SNARE associ	4_11993804	4.57	promoter
AT4G22840	na	Sodium Bile aci	4_11993804	4.57	promoter
AT1G06160	OCTADECANOID-RESPONSIVE ARABID	encodes a mem	1_1880812	4.57	proximal promoter
AT1G69295	PLASMODESMATA CALLOSE-BINDING I	Encodes a mem	1_26050894	4.57	intron
AT3G18820	RAB GTPASE HOMOLOG G3F (RAB7B)	RAB GTPase h	3_6484098	4.57	five_prime_UTR
AT1G76090	STEROL METHYLTRANSFERASE 3 (SM	Encodes S-ade	1_28549667	4.57	intergenic
AT5G06600	UBIQUITIN-SPECIFIC PROTEASE 12 (UE	Encodes a ubiq	5_2028070	4.57	promoter
AT5G03630	(ATMDAR2)	ATMDAR2; FU	5_924815	4.56	promoter
AT2G16280	3-KETOACYL-COA SYNTHASE 9 (KCS9)	Encodes KCS9	2_7053116	4.56	downstream
AT5G14250	CONSTITUTIVE PHOTOMORPHOGENIC	Encodes subun	5_4600892	4.56	downstream
AT3G50700	INDETERMINATE(ID)-DOMAIN 2 (IDD2)	zinc finger prote	3_18839781	4.56	proximal promoter
AT4G01090	na	Protein of unknc	4_470121	4.56	intergenic
AT1G74910	na	ADP-glucose py	1_28138800	4.56	intron
AT3G50695	na	This gene enco	3_18839781	4.56	proximal promoter
AT4G17540	na	unknown protei	4_9775644	4.56	promoter
AT5G14260	na	Rubisco methyl	5_4600892	4.56	promoter
AT4G17530	RAB GTPASE HOMOLOG 1C (RAB1C)	AtRabD2c enco	4_9775644	4.56	promoter
AT4G01080	TRICHOME BIREFRINGENCE-LIKE 26 (T	Encodes a mem	4_470121	4.56	proximal promoter
AT5G38880	AUGMIN SUBUNIT 5 (AUG5)	unknown protei	5_15569272	4.55	promoter
AT5G05980	DHFS-FPGS HOMOLOG B (DFB)	Encodes one of	5_1804607	4.55	promoter
AT1G47990	GIBBERELLIN 2-OXIDASE 4 (GA2OX4)	Encodes a gibb	1_17700008	4.55	exon
AT4G01575	na	serine protease	4_682860	4.55	promoter
AT1G79700	na	Integrase-type I	1_29992909	4.55	intron
AT4G02620	na	vacuolar ATPas	4_1151467	4.55	promoter
AT4G02630	na	Protein kinase s	4_1151467	4.55	promoter
AT4G17250	na	unknown protei	4_9673307	4.55	exon
AT4G17260	na	Lactate/malate	(4_9673307	4.55	proximal promoter
AT5G05985	na	pre-tRNA; tRNA	5_1804607	4.55	promoter
AT5G38890	na	Nucleic acid-bin	5_15569272	4.55	promoter
AT1G60800	NSP-INTERACTING KINASE 3 (NIK3)	NSP-interactin	1_22388294	4.55	proximal promoter
AT1G06530	PEROXISOMAL AND MITOCHONDRIAL I	Encodes PERO	1_2000699	4.55	proximal promoter
AT2G29700	PLECKSTRIN HOMOLOGUE 1 (PH1)	Encodes a prot	2_12697403	4.55	promoter
AT2G22010	RELATED TO KPC1 (RKP)	Encodes a prot	2_9369418	4.55	intron
AT2G35780	SERINE CARBOXYPEPTIDASE-LIKE 26 (	serine carboxyp	2_15040212	4.55	promoter
AT2G42200	SQUAMOSA PROMOTER BINDING PRO	Encodes a puta	2_17585665	4.55	proximal promoter
AT2G34070	TRICHOME BIREFRINGENCE-LIKE 37 (T	Encodes a mem	2_14388739	4.55	intron
AT2G27040	ARGONAUTE 4 (AGO4)	AGO4 is a mem	2_11542464	4.54	promoter
AT3G26300	CYTOCHROME P450, FAMILY 71, SUBF	putative cytochr	3_9641089	4.54	promoter
AT3G26310	CYTOCHROME P450, FAMILY 71, SUBF	putative cytochr	3_9641089	4.54	intron
AT3G04110	GLUTAMATE RECEPTOR 1.1 (GLR1.1)	putative glutam	3_1077194	4.54	promoter
AT2G16260	GLYCINE-RICH RNA-BINDING PROTEIN	pseudogene of	_2_7044737	4.54	promoter
AT4G21320	HEAT-STRESS-ASSOCIATED 32 (HSA32	Encodes heat-s	4_11340271	4.54	promoter
AT4G16480	INOSITOL TRANSPORTER 4 (INT4)	Encodes a high	4_9293410	4.54	downstream
AT2G22510	na	hydroxyproline-	2_9568548	4.54	intergenic
AT1G66760	na	MATE efflux fan	1_24901960	4.54	promoter
AT4G39420	na	unknown protei	4_18355477	4.54	intergenic
AT4G32190	na	Myosin heavy c	4_15544653	4.54	promoter
AT5G63620	na	GroES-like zinc	5_25468386	4.54	five_prime_UTR
AT1G06475	na	unknown protei	1_1974526	4.54	promoter
AT1G56670	na	GDSL-like Lipas	1_21242096	4.54	intron
AT1G64540	na	F-box/FBD-like	1_23963424	4.54	intergenic
AT3G25030	na	RING/U-box su	3_9122050	4.54	promoter
AT4G16490	na	ARM repeat su	4_9293410	4.54	downstream
AT5G41400	na	RING/U-box su	5_16569022	4.54	intergenic
AT3G29370	P1R3 (P1R3)	Encodes a atyp	3_11276832	4.54	proximal promoter
AT1G28340	RECEPTOR LIKE PROTEIN 4 (RLP4)	receptor like prc	1_9939986	4.54	promoter
AT4G39460	S-ADENOSYLMETHIONINE CARRIER 1 (	Encodes a plasi	4_18355477	4.54	intergenic
AT3G48000	ALDEHYDE DEHYDROGENASE 2B4 (AL	Encodes a puta	3_17720062	4.53	promoter
AT5G57630	CBL-INTERACTING PROTEIN KINASE 21	CBL-interactin	5_23340676	4.53	downstream
AT2G32720	CYTOCHROME B5 ISOFORM B (CB5-B)	member of Cyto	2_13878799	4.53	promoter
AT3G24615	na	Encodes a Z43	3_8979867	4.53	promoter
AT3G13740	na	Ribonuclease III	3_4504165	4.53	promoter
AT3G51210	na	P-loop containir	3_19020214	4.53	proximal promoter
AT2G33840	na	Tyrosyl-tRNA s	2_14314855	4.53	promoter
AT1G10650	na	SBP (S-ribonuci	1_3522914	4.53	intergenic
AT3G61763	na	This gene enco	3_22864392	4.53	promoter
AT4G13180	na	NAD(P)-binding	4_7658277	4.53	promoter
AT5G18490	na	Plant protein of	5_6136794	4.53	promoter
AT5G67390	na	unknown protei	5_26887416	4.53	intergenic
AT1G69640	SPHINGOID BASE HYDROXYLASE 1 (SE	Encodes one of	1_26195774	4.53	promoter
AT4G21540	SPHINGOSINE KINASE 1 (SPHK1)	Encodes a sphii	4_11462852	4.53	intergenic
AT4G21550	VP1/ABI3-LIKE 3 (VAL3)	VP1/ABI3-like	3_4_11462852	4.53	promoter
AT1G17290	ALANINE AMINOTRANSFERAS (AlaAT1)	Encodes for ala	1_5922654	4.52	five_prime_UTR
AT1G30330	AUXIN RESPONSE FACTOR 6 (ARF6)	Encodes a mem	1_10690905	4.52	promoter
AT4G33790	ECERIFERUM 4 (CER4)	Encodes an alci	4_16205149	4.52	exon
AT2G36460	FRUCTOSE-BISPHOSPHATE ALDOLASE	Aldolase superf.	2_15298580	4.52	promoter
AT5G58870	FTSH PROTEASE 9 (ftsh9)	encodes an Ftsi	5_23773965	4.52	promoter
AT2G19620	N-MYC DOWNREGULATED-LIKE 3 (NDL	N-MYC downreg	2_8488804	4.52	promoter
AT2G42470	na	TRAF-like famil	2_17686795	4.52	proximal promoter
AT2G42480	na	TRAF-like famil	2_17686795	4.52	exon

AT3G62120	na	Class II aaRS a 3_23004411	4.52	promoter
AT4G33780	na	FUNCTIONS IN 4_16205149	4.52	proximal promoter
AT5G13810	na	Glutaredoxin far 5_4457875	4.52	intergenic
AT3G15040	na	Protein of unknk 3_5064898	4.52	three_prime_UTR
AT2G36470	na	Plant protein of 2_15298580	4.52	intergenic
AT2G36950	na	Heavy metal tra 2_15515040	4.52	promoter
AT4G02760	na	RNI-like superfa 4_1230146	4.52	proximal promoter
AT4G06744	na	Leucine-rich ref 4_4070275	4.52	intergenic
AT4G39530	na	Tetratricopeptid 4_18377386	4.52	promoter
AT4G39830	na	Cupredoxin sup 4_18480937	4.52	exon
AT5G07090	na	Ribosomal prote 5_2204149	4.52	downstream
AT4G02770	PHOTOSYSTEM I SUBUNIT D-1 (PSAD-1	Encodes a prote 4_1230146	4.52	promoter
AT3G15030	TCP FAMILY TRANSCRIPTION FACTOR	Arabidopsis tha 3_5064898	4.52	intergenic
AT4G39770	TREHALOSE-6-PHOSPHATE PHOSPHA	Haloacid dehalc 4_18451511	4.52	promoter
AT5G07100	WRKY DNA-BINDING PROTEIN 26 (WRK	Encodes WRKY 5_2204149	4.52	promoter
AT4G28720	YUCCA 8 (YUC8)	Auxin biosynthe 4_14192099	4.52	promoter
AT5G09870	CELLULOSE SYNTHASE 5 (CESA5)	Encodes a cellu 5_3072187	4.51	proximal promoter
AT1G01160	GRF1-INTERACTING FACTOR 2 (GIF2)	Arabidopsis tha 1_75467	4.51	intergenic
AT5G17350	na	unknown proteir 5_5719001	4.51	exon
AT1G34010	na	unknown proteir 1_12359023	4.51	intergenic
AT2G18070	na	unknown proteir 2_7851637	4.51	proximal promoter
AT4G24780	na	Pectin lyase-like 4_12774413	4.51	proximal promoter
AT1G01170	na	Protein of unknk 1_75467	4.51	proximal promoter
AT1G01180	na	S-adenosyl-L-m 1_75467	4.51	promoter
AT1G53233	na	Potential natura 1_19851770	4.51	exon
AT4G01460	na	basic helix-loop 4_619789	4.51	proximal promoter
AT5G15810	na	N2,N2-dimethyl 5_5157730	4.51	promoter
AT5G51770	na	Protein kinase s 5_21030918	4.51	promoter
AT5G15805	na	pre-tRNA; tRNA 5_5157730	4.51	downstream
AT3G24220	NINE-CIS-EPOXYCAROTENOID DIOXYG	A member of qe 3_8762354	4.51	exon
AT1G34000	ONE-HELIX PROTEIN 2 (OHP2)	Encodes a nove 1_12359023	4.51	promoter
AT1G53230	TEOSINTE BRANCHED 1, CYCLOIDEA A	Encodes a merr 1_19851770	4.51	promoter
AT5G12250	BETA-6 TUBULIN (TUB6)	Encodes a beta 5_3963666	4.5	promoter
AT3G07330	CELLULOSE-SYNTHASE-LIKE C6 (CSLC	encodes a gene 3_2334885	4.5	intergenic
AT1G29920	CHLOROPHYLL A/B-BINDING PROTEIN	Encodes lhcb1. 1_10476110	4.5	promoter
AT2G33800	EMBRYO DEFECTIVE 3113 (EMB3113)	Ribosomal prote 2_14302967	4.5	proximal promoter
AT2G21060	GLYCINE-RICH PROTEIN 2B (GRP2B)	Glycine-rich pro 2_9038361	4.5	proximal promoter
AT2G21050	LIKE AUXIN RESISTANT 2 (LAX2)	Encodes LAX2 2_9038361	4.5	intergenic
AT3G52880	MONODEHYDROASCORBATE REDUCT	Encodes a pero 3_19604618	4.5	promoter
AT1G07650	na	Leucine-rich ref 1_2365676	4.5	intron
AT3G07320	na	O-Glycosyl hydr 3_2334885	4.5	proximal promoter
AT3G52960	na	Thioredoxin sup 3_19639538	4.5	promoter
AT4G18280	na	glycine-rich cell 4_10103336	4.5	proximal promoter
AT5G06440	na	FUNCTIONS IN 5_1967289	4.5	five_prime_UTR
AT5G51845	na	Encodes a defe 5_21075991	4.5	proximal promoter
AT1G69850	NITRATE TRANSPORTER 1.2 (NRT1.2)	Encodes an ind 1_26300503	4.5	promoter
AT2G33810	SQUAMOSIA PROMOTER BINDING PRO	Encodes a merr 2_14302967	4.5	proximal promoter
AT1G32200	(ATS1)	Encodes a chlci 1_11601408	4.49	intergenic
AT5G06250	DEVELOPMENT-RELATED PCG TARGE	AP2/B3-like trar 5_1892144	4.49	intergenic
AT1G05190	EMBRYO DEFECTIVE 2394 (emb2394)	embryo defectiv 1_1504790	4.49	proximal promoter
AT1G05200	GLUTAMATE RECEPTOR 3.4 (GLR3.4)	Encodes a puta 1_1504790	4.49	promoter
AT1G68460	ISOPENTENYLTRANSFERASE 1 (IPT1)	Encodes a puta 1_25669025	4.49	exon
AT1G78560	na	Sodium Bile aci 1_29548886	4.49	promoter
AT1G60783	na	unknown proteir 1_22374103	4.49	proximal promoter
AT1G08845	na	Ribosomal L18r 1_2839005	4.49	intron
AT1G56500	na	haloacid dehalo 1_21167514	4.49	downstream
AT1G68780	na	RNI-like superfa 1_25834471	4.49	proximal promoter
AT2G16380	na	Sec14p-like phc 2_7085663	4.49	promoter
AT4G20170	na	Domain of unkn 4_10899278	4.49	downstream
AT4G20180	na	transposable elk 4_10899278	4.49	proximal promoter
AT5G18770	na	F-box/FBD-like 5_6261163	4.49	promoter
AT1G78570	RHAMNOSE BIOSYNTHESIS 1 (RHM1)	Encodes a UDF 1_29548886	4.49	proximal promoter
AT3G23820	UDP-D-GLUCURONATE 4-EPIMERASE	UDP-D-glucuroi 3_8602190	4.49	proximal promoter
AT1G56510	WHITE RUST RESISTANCE 4 (WRR4)	TIR-NB-LRR pri 1_21167514	4.49	promoter
AT1G54990	AUXIN RESISTANT 4 (AXR4)	auxin response 1_20511159	4.48	promoter
AT5G66680	DEFECTIVE GLYCOSYLATION (DGL1)	Encodes a prote 5_26620679	4.48	promoter
AT5G02260	EXPANSIN A9 (EXPA9)	member of Alph 5_465565	4.48	intergenic
AT5G25220	KNOTTED1-LIKE HOMEBOX GENE 3 (I	A member of cie 5_8735009	4.48	proximal promoter
AT5G48945	LOW-MOLECULAR-WEIGHT CYSTEINE-	Encodes a merr 5_19843962	4.48	proximal promoter
AT3G04765	MICRORNA167C (MIR167C)	Encodes a micr 3_1307608	4.48	proximal promoter
AT5G59780	MYB DOMAIN PROTEIN 59 (MYB59)	Encodes a puta 5_24084882	4.48	proximal promoter
AT5G52815	na	pre-tRNA; tRNA 5_21401212	4.48	exon
AT5G52820	na	WD-40 repeat fi 5_21401212	4.48	promoter
AT4G29270	na	HAD superfamil 4_14424963	4.48	promoter
AT2G33320	na	Calcium-depend 2_14119638	4.48	exon
AT3G44640	na	transposable elk 3_16204255	4.48	intergenic
AT1G08610	na	Pentatricopeptic 1_2735905	4.48	promoter
AT1G54985	na	pseudogene, hy 1_20511159	4.48	intron
AT1G23000	na	Heavy metal tra 1_8141177	4.48	proximal promoter
AT1G72510	na	Protein of unknk 1_27303326	4.48	promoter
AT3G42170	na	transposase-like 3_14321657	4.48	intron
AT3G55470	na	Calcium-depend 3_20564144	4.48	promoter
AT4G02880	na	unknown proteir 4_1274387	4.48	promoter
AT4G28570	na	Long-chain fatty 4_14119465	4.48	five_prime_UTR
AT5G20700	na	Protein of unknk 5_7005379	4.48	intergenic
AT5G50450	na	HCP-like superf 5_20547009	4.48	proximal promoter
AT5G21950	na	alpha/beta-Hydr 5_7256745	4.48	proximal promoter
AT1G77740	PHOSPHATIDYLINOSITOL-4-PHOSPHA	Encodes PIP5K 1_29217927	4.48	proximal promoter
AT5G65270	RAB GTPASE HOMOLOG A4a (RABA4a)	RAB GTPase hr 5_26083198	4.48	promoter
AT1G78000	SULFATE TRANSPORTER 1.2 (SULTR1;	Encodes a sulfa 1_29327688	4.48	proximal promoter
AT5G02260	EXPANSIN A9 (EXPA9)	member of Alph 5_462591	4.47	proximal promoter
AT1G70790	na	Calcium-depend 1_26699438	4.47	proximal promoter
AT3G21690	na	MATE efflux fan 3_7637767	4.47	proximal promoter
AT4G10980	na	transposable elk 4_6723206	4.47	proximal promoter

AT5G08060	na	unknown protei	5_2580373	4.47	promoter
AT1G72830	NUCLEAR FACTOR Y, SUBUNIT A3 (NF-	Encodes a sub	1_27408603	4.47	proximal promoter
AT1G80300	NUCLEOTIDE TRANSPORTER 1 (NTT1)	Encodes an AT1	1_30191681	4.47	promoter
AT1G02130	RAS 5 (RA-5)	Belongs to the F	1_401218	4.47	exon
AT5G26920	CAM-BINDING PROTEIN 60-LIKE G (CBF	Encodes a calrn	5_9476205	4.46	intron
AT3G14450	CTC-INTERACTING DOMAIN 9 (CID9)	RNA-binding pri	3_4846159	4.46	intergenic
AT4G34200	EMBRYO SAC DEVELOPMENT ARREST	embryo sac dev	4_16373692	4.46	downstream
AT3G27260	GLOBAL TRANSCRIPTION FACTOR GR1	Kinase like prot	3_10067560	4.46	intron
AT4G00830	LHP1-INTERACTING FACTOR 2 (LIF2)	RNA-binding (R	4_351922	4.46	promoter
AT1G11310	MILDEW RESISTANCE LOCUS O 2 (MLC	A member of a l	1_3804211	4.46	promoter
AT2G22426	na	unknown protei	2_9520891	4.46	intergenic
AT3G50625	na	transposable elk	3_18790412	4.46	proximal promoter
AT1G79720	na	Eukaryotic aspa	1_29999991	4.46	proximal promoter
AT4G39550	na	Galactose oxid	4_18382063	4.46	promoter
AT4G11680	na	Zinc finger, C3F	4_7053221	4.46	downstream
AT4G11670	na	FUNCTIONS IN	4_7053221	4.46	promoter
AT1G04770	na	Tetratricopeptid	1_1338028	4.46	promoter
AT1G29650	na	transposable elk	1_10363575	4.46	intergenic
AT2G40110	na	Yippee family p	2_16749857	4.46	intergenic
AT2G40113	na	Pollen Ole e 1	a_2_16749857	4.46	promoter
AT3G13432	na	unknown protei	3_4372689	4.46	intergenic
AT5G22000	RING-H2 GROUP F2A (RHF2A)	encodes a RINC	5_7277198	4.46	five_prime_UTR
AT4G34190	STRESS ENHANCED PROTEIN 11 (SEP1)	Encodes a stres	4_16373692	4.46	promoter
AT3G60600	VAMP/SYNAPTOBREVIN-ASSOCIATED I	Encodes VAP2;	3_22400361	4.46	promoter
AT3G27020	YELLOW STRIPE LIKE 6 (YSL6)	Arabidopsis tha	3_9964784	4.46	promoter
AT1G66600	ABA OVERLY SENSITIVE MUTANT 3 (AB	A member of W	1_24848014	4.45	promoter
AT1G17190	GLUTATHIONE S-TRANSFERASE TAU 2	Encodes glutat	1_5876512	4.45	three_prime_UTR
AT4G38600	KAKTUS (KAK)	encodes a mem	4_18049888	4.45	proximal promoter
AT3G50870	MONOPOLE (MNP)	Encodes a GAT	3_18909953	4.45	proximal promoter
AT3G54500	na	FUNCTIONS IN	3_20179110	4.45	promoter
AT3G56275	na	pseudogene of	3_20872515	4.45	promoter
AT2G22280	na	pre-tRNA; tRNA	2_9466283	4.45	proximal promoter
AT1G17620	na	Late embryoger	1_6061348	4.45	proximal promoter
AT1G31940	na	unknown protei	1_11472655	4.45	proximal promoter
AT5G20950	na	Glycosyl hydrok	5_7111840	4.45	promoter
AT1G50160	na	BEST Arabidop:	1_18581887	4.45	intergenic
AT3G07260	na	SMAD/FHA don	3_2309495	4.45	promoter
AT4G34140	na	D111/G-patch	c_4_16350216	4.45	proximal promoter
AT2G22290	RAB GTPASE HOMOLOG H1D (RABH1d	RAB GTPase hr	2_9466283	4.45	promoter
AT1G50170	SIROHYDROCHLORIN FERROCHELATA	encodes sirohyc	1_18581887	4.45	promoter
AT2G18700	TREHALOSE PHOSPHATASE/SYNTHAS	Encodes an enz	2_8108736	4.45	promoter
AT4G00730	ANTHOCYANINLESS 2 (ANL2)	Encodes a hom	4_305317	4.44	proximal promoter
AT1G06850	BASIC LEUCINE-ZIPPER 52 (bZIP52)	basic leucine-zip	1_2104996	4.44	promoter
AT1G50430	DWARF 5 (DWF5)	Mutants are def	1_18685677	4.44	promoter
AT5G54110	MEMBRANE-ASSOCIATED MANNITOL-II	Encodes a high	5_21958197	4.44	promoter
AT1G50440	na	RING/FYVE/PH	1_18685677	4.44	promoter
AT5G67020	na	unknown protei	5_26750983	4.44	exon
AT1G21326	na	VQ motif-contai	n_1_7470405	4.44	proximal promoter
AT1G23980	na	RING/U-box su	1_8487315	4.44	proximal promoter
AT1G68660	na	Ribosomal prote	1_25779324	4.44	promoter
AT2G16365	na	F-box family pr	c_2_7074071	4.44	promoter
AT3G10190	na	Calcium-binding	c_3_3155284	4.44	promoter
AT3G61900	na	SAUR-like auxi	r_3_22927985	4.44	intergenic
AT5G47225	na	transposable elk	5_19176775	4.44	intergenic
AT2G41310	RESPONSE REGULATOR 3 (RR3)	Encodes an A-	12_17221261	4.44	proximal promoter
AT1G32790	CTC-INTERACTING DOMAIN 11 (CID11)	RNA-binding pri	1_11874688	4.43	downstream
AT3G01120	METHIONINE OVERACCUMULATION 1 (	encodes a cyst	3_42636	4.43	proximal promoter
AT1G72645	na	unknown protei	1_27349344	4.43	downstream
AT5G05330	na	Encodes a prot	5_1578802	4.43	promoter
AT1G74470	na	Encodes for a	n_1_27991058	4.43	promoter
AT2G15300	na	Leucine-rich re	p_2_6651571	4.43	exon
AT2G15830	na	unknown protei	2_6894787	4.43	intergenic
AT1G32780	na	GroES-like zinc	1_11874688	4.43	proximal promoter
AT3G49000	na	RNA polymeras	3_18162543	4.43	promoter
AT4G18740	na	Rho termination	4_10304669	4.43	promoter
AT5G14495	na	pre-tRNA; tRNA	5_4673109	4.43	proximal promoter
AT5G59500	na	protein C-termi	r_5_23985808	4.43	promoter
AT1G18800	NAP1-RELATED PROTEIN 2 (NRP2)	Double nrp1-1	r_1_6484352	4.43	proximal promoter
AT5G05340	PEROXIDASE 52 (PRX52)	Peroxidase sup	5_1578802	4.43	downstream
AT4G27970	SLAC1 HOMOLOGUE 2 (SLAH2)	Encodes a prot	4_13920700	4.43	proximal promoter
AT1G72650	TRF-LIKE 6 (TRFL6)	Arabidopsis tha	1_27349344	4.43	promoter
AT5G09860	(THO1)	Encodes a com	5_3065845	4.42	proximal promoter
AT5G47760	2-PHOSPHOGLYCOLATE PHOSPHATAS	serine/threonine	5_19345193	4.42	promoter
AT5G47770	FARNESYL DIPHOSPHATE SYNTHASE	Encodes a prot	5_19345193	4.42	five_prime_UTR
AT4G18010	INOSITOL(1,4,5)P3 5-PHOSPHATASE II (	Encodes an ino	4_9994426	4.42	promoter
AT2G05160	na	CCCH-type zinc	2_1862236	4.42	promoter
AT5G65520	na	Tetratricopeptid	5_26189905	4.42	exon
AT3G09410	na	Pectinacetylest	3_2901172	4.42	promoter
AT3G09430	na	unknown protei	3_2901172	4.42	promoter
AT3G11395	na	pre-tRNA; tRNA	3_3575936	4.42	downstream
AT3G11402	na	Cysteine/Histidi	3_3575936	4.42	intron
AT3G51700	na	PIF1 helicase;	c_3_19181819	4.42	proximal promoter
AT4G24780	na	Pectin lyase-like	4_12769657	4.42	intergenic
AT5G09850	na	Transcription eli	5_3065845	4.42	five_prime_UTR
AT2G40180	PHOSPHATASE 2C5 (PP2C5)	Encodes PP2C:	2_16782241	4.42	promoter
AT3G15030	TCP FAMILY TRANSCRIPTION FACTOR	Arabidopsis tha	3_5061913	4.42	intron
AT1G65520	DELTA(3), DELTA(2)-ENOYL COA ISOM	encodes a pero	1_24361281	4.41	exon
AT3G48670	INVOLVED IN DE NOVO 2 (IDN2)	Encodes IDN2 (	3_18030379	4.41	promoter
AT4G33490	na	Eukaryotic aspa	4_16110741	4.41	three_prime_UTR
AT2G33175	na	unknown protei	2_14061874	4.41	intergenic
AT3G05425	na	unknown protei	3_1567523	4.41	exon
AT3G05430	na	Tudor/PWWP/N	3_1567523	4.41	promoter
AT3G48660	na	Protein of unkn	c_3_18030379	4.41	intergenic
AT3G62570	na	Tetratricopeptid	3_23140764	4.41	proximal promoter

AT5G14470	na	GHMP kinase fr	5_4664788	4.41	promoter
AT2G32960	PLANT AND FUNGI ATYPICAL DUAL-SPI	Encodes an aty2_13989292		4.41	intron
AT4G33495	ROOT PRIMORDIUM DEFECTIVE 1 (RPF1)	A member of the r4_16110741		4.41	three_prime_UTR
AT5G61780	TUDOR-SN PROTEIN 2 (TUDOR2)	Involved in the r5_24820561		4.41	proximal promoter
AT2G34960	CATIONIC AMINO ACID TRANSPORTER	Encodes a merr 2_14746130		4.4	promoter
AT5G65710	HAESA-LIKE 2 (HLS2)	HAESA-like 2 (f 5_26294344		4.4	exon
AT3G21720	ISOCITRATE LYASE (ICL)	Encodes a glyo: 3_7657866		4.4	proximal promoter
AT1G19530	na	unknown protei 1_6763215		4.4	proximal promoter
AT1G75210	na	HAD-superfamil 1_28223791		4.4	promoter
AT1G75200	na	flavodoxin famil 1_28223791		4.4	promoter
AT5G55896	na	transposable elk 5_22627274		4.4	intergenic
AT5G55893	na	unknown protei 5_22627274		4.4	proximal promoter
AT3G07440	na	unknown protei 3_2381186		4.4	promoter
AT4G31136	na	This gene encoi 4_15140613		4.4	downstream
AT4G33940	na	RING/U-box sui 4_16265982		4.4	promoter
AT5G25820	na	Exostosin famil 5_8994727		4.4	intergenic
AT5G66550	na	Maf-like protein; 5_26561919		4.4	proximal promoter
AT5G65720	NITROGEN FIXATION S (NIFS)-LIKE 1 (N	Encodes a cystr 5_26294344		4.4	proximal promoter
AT5G22370	QUATRE-QUART 1 (QQT1)	Encodes QQT1 5_7405923		4.4	promoter
AT3G27010	TEOSINTE BRANCHED 1, CYCLOIDEA, I	Belongs to a TC 3_9959857		4.4	proximal promoter
AT5G22360	VESICLE-ASSOCIATED MEMBRANE PR	Member of Syn: 5_7405923		4.4	promoter
AT5G04340	ZINC FINGER OF ARABIDOPSIS THALIA	putative c2h2 zi 5_1217414		4.4	promoter
AT2G43130	(ARA4)	encodes a prote 2_17933170		4.39	proximal promoter
AT2G02010	GLUTAMATE DECARBOXYLASE 4 (GAD	glutamate decar 2_477709		4.39	proximal promoter
AT3G07770	HEAT SHOCK PROTEIN 89.1 (Hsp89.1)	HEAT SHOCK I 3_2484402		4.39	downstream
AT2G01480	na	O-fucosyltransf 2_221114		4.39	downstream
AT5G60190	na	Encodes a prote 5_24237156		4.39	intergenic
AT2G29995	na	unknown protei 2_12798995		4.39	intron
AT2G43140	na	basic helix-loop 2_17933170		4.39	intron
AT1G70550	na	Protein of Unkn 1_26600421		4.39	downstream
AT3G21300	na	RNA methyltran 3_7496435		4.39	promoter
AT5G02680	na	LOCATED IN: e 5_604790		4.39	promoter
AT5G02540	na	NAD(P)-binding 5_569357		4.39	intron
AT5G58120	na	Disease resistai 5_23517135		4.39	promoter
AT5G65820	na	Pentatricopeptic 5_26341956		4.39	promoter
AT3G07780	OBERON1 (OBE1)	Encodes a nucl 3_2484402		4.39	promoter
AT2G01490	PHYTANOYL-COA 2-HYDROXYLASE (P	Encodes a phyt 2_221114		4.39	promoter
AT5G65830	RECEPTOR LIKE PROTEIN 57 (RLP57)	receptor like prc 5_26341956		4.39	downstream
AT1G78770	ANAPHASE PROMOTING COMPLEX 6 (A	anaphase prom 1_29617131		4.38	five_prime_UTR
AT3G10912	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 3_3413851		4.38	five_prime_UTR
AT3G51240	FLAVANONE 3-HYDROXYLASE (F3H)	Encodes flavan 3_19024977		4.38	promoter
AT5G47820	FRAGILE FIBER 1 (FRA1)	encodes a kines 5_19366261		4.38	promoter
AT4G21440	MYB-LIKE 102 (MYB102)	Encodes a MYE 4_11420937		4.38	proximal promoter
AT4G14980	na	Cysteine/Histidi 4_8565433		4.38	proximal promoter
AT4G14990	na	Topoisomerase 4_8565433		4.38	downstream
AT1G26730	na	EXS (ERD1/XP1 1_9241039		4.38	promoter
AT3G51230	na	BEST Arabidop: 3_19024977		4.38	proximal promoter
AT4G17940	na	Tetratricopeptid 4_9965612		4.38	promoter
AT5G49100	na	unknown protei 5_19899104		4.38	five_prime_UTR
AT1G78420	na	RING/U-box sui 1_29504489		4.38	promoter
AT3G10910	na	RING/U-box sui 3_3413851		4.38	five_prime_UTR
AT1G52720	na	unknown protei 1_19640850		4.38	promoter
AT1G29060	na	Target SNARE r 1_10143779		4.38	intergenic
AT2G05920	na	Subtilase famil 2_2272374		4.38	promoter
AT3G58730	na	vacuolar ATP s1 3_21720054		4.38	promoter
AT4G34040	na	RING/U-box sui 4_16309074		4.38	promoter
AT5G14050	na	Transducin/WD 5_4533149		4.38	promoter
AT5G25930	na	Protein kinase f: 5_9050892		4.38	exon
AT5G48490	na	Bifunctional inhi 5_19648329		4.38	promoter
AT3G44320	NITRILASE 3 (NIT3)	This enzyme ca 3_15991709		4.38	proximal promoter
AT5G14040	PHOSPHATE TRANSPORTER 3;1 (PHT3	phosphate trans 5_4533149		4.38	promoter
AT3G58100	PLASMODESMATA CALLOSE-BINDING I	Encodes a merr 3_21516580		4.38	promoter
AT5G02010	RHO GUANYL-NUCLEOTIDE EXCHANGI	Encodes a merr 5_382573		4.38	proximal promoter
AT5G13170	SENESCENCE-ASSOCIATED GENE 29 (	Encodes a merr 5_4185620		4.38	proximal promoter
AT2G22540	SHORT VEGETATIVE PHASE (SVP)	Encodes a nucl 2_9580185		4.38	five_prime_UTR
AT2G45900	TON1 RECRUITING MOTIF 13 (TRM13)	Phosphatidylino 2_18889657		4.38	proximal promoter
AT1G68720	TRNA ARGININE ADENOSINE DEAMINA	Encodes the ch 1_25802594		4.38	proximal promoter
AT1G36340	UBIQUITIN-CONJUGATING ENZYME 31	ubiquitin-conjug 1_13683216		4.38	intergenic
AT2G28840	XB3 ORTHOLOG 1 IN ARABIDOPSIS TH	XB3 ortholog 1 i 2_12380990		4.38	intergenic
AT3G24503	ALDEHYDE DEHYDROGENASE 2C4 (AL	Arabidopsis thal 3_8918411		4.37	intergenic
AT1G44110	CYCLIN A1;1 (CYCA1;1)	Cyclin A1;1 (CY 1_16777397		4.37	promoter
AT1G03475	LESION INITIATION 2 (LIN2)	Encodes copro1 1_871353		4.37	promoter
AT3G24500	MULTIPROTEIN BRIDGING FACTOR 1C	One of three ge 3_8918411		4.37	promoter
AT1G56310	na	Polynucleotidyl 1_21082427		4.37	promoter
AT2G42760	na	unknown protei 2_17796161		4.37	three_prime_UTR
AT4G19160	na	unknown protei 4_10480190		4.37	downstream
AT5G08460	na	GDSL-like Lipas 5_2734250		4.37	intron
AT5G01210	na	HXXXD-type ac 5_82662		4.37	proximal promoter
AT5G12150	na	Encodes a prote 5_3930413		4.37	promoter
AT5G57130	na	Clp amino termi 5_23149796		4.37	downstream
AT3G04430	NAC DOMAIN CONTAINING PROTEIN 45	NAC domain co 3_1175305		4.37	downstream
AT4G19170	NINE-CIS-EPOXYCAROTENOID DIOXYG	chloroplast-larq 4_10480190		4.37	proximal promoter
AT1G08090	NITRATE TRANSPORTER 2:1 (NRT2:1)	High-affinity nitr 1_2522815		4.37	proximal promoter
AT5G57140	PURPLE ACID PHOSPHATASE 28 (PAP2	purple acid pho: 5_23149796		4.37	promoter
AT1G74100	SULFOTRANSFERASE 16 (SOT16)	encodes a desu 1_27866012		4.37	promoter
AT4G28720	YUCCA 8 (YUC8)	Auxin biosynthe 4_14184520		4.37	intergenic
AT4G37750	AINTEGUMENTA (ANT)	ANT is required 4_17736637		4.36	proximal promoter
AT1G27770	AUTOINHIBITED CA2+-ATPASE 1 (ACA1	Encodes a chlci 1_9676208		4.36	promoter
AT3G50660	DWARF 4 (DWF4)	Encodes a 22& 3_18821123		4.36	intergenic
AT5G19820	EMBRYO DEFECTIVE 2734 (emb2734)	embryo defectiv 5_6695098		4.36	downstream
AT2G31570	GLUTATHIONE PEROXIDASE 2 (GPX2)	glutathione perc 2_13440898		4.36	proximal promoter
AT5G47010	LOW-LEVEL BETA-AMYLASE 1 (LBA1)	Required for no 5_19079650		4.36	intergenic
AT5G51350	MORE LATERAL GROWTH1 (MOL1)	Encodes a rece 5_20870804		4.36	promoter
AT1G72490	na	unknown protei 1_27292767		4.36	proximal promoter

AT3G14150	na	Aldolase-type T 3_4693172	4.36	promoter
AT4G33905	na	Peroxisomal me 4_16256189	4.36	proximal promoter
AT5G19810	na	Proline-rich exte 5_6695098	4.36	intergenic
AT1G07280	na	Tetrapeptide 1_2237827	4.36	promoter
AT1G21920	na	Histone H3 K4-1_7706253	4.36	promoter
AT1G80850	na	DNA glycosylas 1_30387910	4.36	promoter
AT2G31218	na	unknown proteir 2_13302137	4.36	exon
AT1G55690	na	Sec14p-like phc 1_20813041	4.36	promoter
AT2G22530	na	Alkaline-phosph 2_9578605	4.36	proximal promoter
AT3G15720	na	Pectin lyase-like 3_5328169	4.36	proximal promoter
AT2G31580	na	tRNAHis quanyl 2_13440898	4.36	downstream
AT3G60210	na	GroES-like fami 3_22251040	4.36	downstream
AT3G60200	na	unknown proteir 3_22251040	4.36	intergenic
AT4G30010	na	unknown proteir 4_14672609	4.36	promoter
AT4G30000	na	Dihydropterin p1_4_14672609	4.36	five_prime_UTR
AT5G25210	na	unknown proteir 5_8728466	4.36	intergenic
AT5G47020	na	unknown proteir 5_19079650	4.36	proximal promoter
AT1G80860	PHOSPHOLIPID N-METHYLTRANSFERASE 1 (PLM1)	Encodes a singl 1_30387910	4.36	downstream
AT1G75250	RAD-LIKE 6 (RL6)	RAD-like 6 (RL6) 1_28243553	4.36	intergenic
AT5G25910	RECEPTOR LIKE PROTEIN 52 (RLP52)	putative disease 5_9038814	4.36	promoter
AT1G27760	SALT-TOLERANCE 32 (SAT32)	Encodes a prot 1_9676208	4.36	intergenic
AT1G72310	(ATL3)	Encodes a puta 1_27224402	4.35	proximal promoter
AT5G04660	CYTOCHROME P450, FAMILY 77, SUBFAMILY 1 (CYP77A1)	encodes a prote 5_1337088	4.35	exon
AT5G12860	DICARBOXYLATE TRANSPORTER 1 (DCT1)	AtpOMT1 encoc 5_4062110	4.35	promoter
AT3G57290	EUKARYOTIC TRANSLATION INITIATION FACTOR 1 (EIF1)	Encodes a prote 3_21199352	4.35	promoter
AT1G20693	HIGH MOBILITY GROUP B2 (HMGB2)	Encodes a prote 1_7179406	4.35	intergenic
AT1G20696	HIGH MOBILITY GROUP B3 (HMGB3)	Encodes a prote 1_7179406	4.35	promoter
AT1G27340	LEAF CURLING RESPONSIVENESS (LCR)	Encodes a puta 1_9495471	4.35	promoter
AT5G10490	MSCS-LIKE 2 (MSL2)	A member of Ms 5_3300158	4.35	downstream
AT2G22820	na	unknown proteir 2_9722204	4.35	proximal promoter
AT3G04040	na	unknown proteir 3_1047499	4.35	promoter
AT3G08890	na	Protein of unkn 3_2706492	4.35	promoter
AT4G18530	na	Protein of unkn 4_10220339	4.35	three_prime_UTR
AT4G18540	na	unknown proteir 4_10220339	4.35	intergenic
AT4G20760	na	NAD(P)-binding 4_11128941	4.35	promoter
AT5G08460	na	GDSL-like Lipas 5_2733021	4.35	promoter
AT5G08450	na	CONTAINS Inte 5_2733021	4.35	promoter
AT5G66950	na	Pyridoxal phosph 5_26732166	4.35	proximal promoter
AT5G10480	PASTICCINO 2 (PAS2)	Protein tyrosine 5_3300158	4.35	promoter
AT4G00760	PSEUDO-RESPONSE REGULATOR 8 (AP2.7)	Encodes a resp 4_333666	4.35	promoter
AT2G28550	RELATED TO AP2.7 (RAP2.7)	related to AP2.7 2_12233054	4.35	intergenic
AT4G00770	TON1 RECRUITING MOTIF 9 (TRM9)	unknown proteir 4_333666	4.35	downstream
AT4G11150	VACUOLAR ATP SYNTHASE SUBUNIT E (VAT1E)	Encodes a vacc 4_6798610	4.35	proximal promoter
AT2G39570	ACT DOMAIN REPEATS 9 (ACR9)	Encodes a ACT 2_16509988	4.34	three_prime_UTR
AT5G63400	ADENYLATE KINASE 1 (ADK1)	encodes a prote 5_25394928	4.34	promoter
AT1G08920	ERD (EARLY RESPONSE TO DEHYDRATION) 1 (ERD1)	Encodes ESL1, 1_2865954	4.34	proximal promoter
AT1G47128	RESPONSIVE TO DEHYDRATION 21A (RD21A)	cysteine protein 1_17286680	4.34	proximal promoter
AT1G31730	na	Adaptin family p 1_11359603	4.34	promoter
AT5G63410	na	Leucine-rich rep 5_25394928	4.34	downstream
AT1G76920	na	F-box family prc 1_28892188	4.34	five_prime_UTR
AT2G24560	na	GDSL-like Lipas 2_10430851	4.34	proximal promoter
AT2G39580	na	CONTAINS Inte 2_16509988	4.34	promoter
AT5G20050	na	Protein kinase s 5_6776118	4.34	intergenic
AT5G01380	na	Homeodomain-l 5_158973	4.34	proximal promoter
AT5G01390	na	DNAJ heat shoc 5_158973	4.34	intergenic
AT5G20060	na	alpha/beta-Hydr 5_6776118	4.34	promoter
AT1G73590	PIN-FORMED 1 (PIN1)	Encodes an aux 1_27664618	4.34	intergenic
AT4G02460	POSTMEIOTIC SEGREGATION 1 (PMS1)	Encodes a prote 4_1080757	4.34	promoter
AT1G43890	RAB GTPASE HOMOLOG B18 (RAB18)	ras-related sma 1_16646663	4.34	promoter
AT5G24270	SALT OVERLY SENSITIVE 3 (SOS3)	encodes a calci 5_8241746	4.34	intron
AT2G43130	(ARA4)	encodes a prote 2_17929606	4.33	downstream
AT1G60710	(ATB2)	Encodes ATB2. 1_22356756	4.33	five_prime_UTR
AT3G63140	CHLOROPLAST STEM-LOOP BINDING FACTOR 1 (CSLB1)	Encodes a prote 3_23328797	4.33	promoter
AT5G48890	LATE FLOWERING (LATE)	Encodes a C(2) 5_19822715	4.33	intergenic
AT3G63150	MIRO-RELATED GTP-ASE 2 (MIRO2)	Encodes a calci 3_23328797	4.33	downstream
AT3G50340	na	unknown proteir 3_18667733	4.33	proximal promoter
AT1G07830	na	ribosomal protei 1_2422126	4.33	promoter
AT2G47390	na	Prolyl oligopepti 2_19446374	4.33	promoter
AT2G47410	na	WD40/YVTN rei 2_19446374	4.33	proximal promoter
AT3G15810	na	Protein of unkn 3_5348147	4.33	exon
AT3G05220	na	Heavy metal tra 3_1487237	4.33	proximal promoter
AT4G27700	na	Rhodanese/Cell 4_13827980	4.33	promoter
AT5G53451	na	This gene encod 5_21693205	4.33	promoter
AT3G54220	SCARECROW (SCR)	Encodes a merr 3_20069264	4.33	proximal promoter
AT2G45980	ATG8-INTERACTING PROTEIN 1 (ATH1)	Encodes an Atg 2_18919206	4.32	promoter
AT2G42970	na	pre-tRNA; tRNA 2_17873817	4.32	downstream
AT2G42975	na	unknown proteir 2_17873817	4.32	promoter
AT1G29060	na	Target SNARE 1_10147561	4.32	promoter
AT2G45990	na	unknown proteir 2_18919206	4.32	promoter
AT3G06890	na	unknown proteir 3_2177703	4.32	downstream
AT3G06895	na	unknown proteir 3_2177703	4.32	promoter
AT3G06880	na	Transducin/WD 3_2177703	4.32	proximal promoter
AT3G46020	na	RNA-binding (R 3_16912236	4.32	downstream
AT1G68140	na	Protein of unkn 1_25541725	4.32	five_prime_UTR
AT1G01250	na	encodes a mem 1_103837	4.32	intergenic
AT4G22820	na	A20/AN1-like zif 4_11989077	4.32	promoter
AT1G03630	PROTOCHLOROPHYLLIDE OXIDOREDUCTASE 1 (PCO1)	Encodes for a p 1_907478	4.32	promoter
AT3G06900	U4 SMALL NUCLEOLAR RNA2 (U4.2)	U4.2; snRNA; q 3_2177703	4.32	intergenic
AT1G65630	DEGP PROTEASE 3 (DegP3)	Encodes a puta 1_24404404	4.31	intergenic
AT4G03430	EMBRYO DEFECTIVE 2770 (EMB2770)	Encodes a nucl 4_1520738	4.31	promoter
AT5G26030	FERROCHELATASE 1 (FC1)	encodes ferroc 5_9096535	4.31	five_prime_UTR
AT1G02390	GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE 1 (GAT1)	Encodes a merr 1_483080	4.31	exon
AT5G26040	HISTONE DEACETYLASE 2 (HDA2)	Class III RPD3 1_5_9096535	4.31	intergenic
AT1G19850	MONOPTEROS (MP)	Encodes a trans 1_6883275	4.31	intergenic

AT3G09370	MYB DOMAIN PROTEIN 3R-3 (MYB3R-3)	putative c-myb-3_2879163	4.31	promoter
AT1G74430	MYB DOMAIN PROTEIN 95 (MYB95)	Encodes a puta 1_27973012	4.31	proximal promoter
AT1G02391	na	unknown proteir 1_483080	4.31	intergenic
AT2G45290	na	Tranскетolase; 1_2_18672194	4.31	promoter
AT1G53290	na	Galactosyltrans 1_19871332	4.31	five_prime_UTR
AT4G03435	na	pre-tRNA; tRNA 4_1520738	4.31	downstream
AT5G43830	na	Aluminium induc 5_17625135	4.31	proximal promoter
AT2G14910	na	unknown proteir 2_6409141	4.31	five_prime_UTR
AT1G14590	na	Nucleotide-diph 1_4997619	4.31	intergenic
AT5G14920	na	Gibberellin-requ 5_4828478	4.31	intergenic
AT5G54855	na	Pollen Ole e 1 a 5_22282643	4.31	promoter
AT5G13640	PHOSPHOLIPID:DIACYLGLYCEROL AC	arabidopsis pho 5_4393189	4.31	five_prime_UTR
AT2G21140	PROLINE-RICH PROTEIN 2 (PRP2)	Proline-rich prot 2_9062962	4.31	proximal promoter
AT2G45280	RAS ASSOCIATED WITH DIABETES PRC	Encodes a prot 2_18672194	4.31	three_prime_UTR
AT5G14930	SENESCENCE-ASSOCIATED GENE 101	encodes an acy 5_4828478	4.31	promoter
AT3G26520	TONOPLAST INTRINSIC PROTEIN 2 (TIF	gamma tonopla: 3_9722030	4.31	intergenic
AT2G18730	DIACYLGLYCEROL KINASE 3 (DGK3)	diacylglycerol ki 2_8118746	4.3	promoter
AT3G60900	FASCICLIN-LIKE ARABINOGLACTAN-P	FASCICLIN-like 3_22499144	4.3	downstream
AT4G25100	FE SUPEROXIDE DISMUTASE 1 (FSD1)	Fe-superoxide c 4_12884398	4.3	three_prime_UTR
AT1G12900	GLYCERALDEHYDE 3-PHOSPHATE DEH	glyceraldehyde 1_4394482	4.3	promoter
AT1G71340	GLYCEROPHOSPHODIESTER PHOSPH	Encodes a merr 1_26887603	4.3	five_prime_UTR
AT5G03040	IQ-DOMAIN 2 (iqd2)	IQ-domain 2 (iqi 5_709868	4.3	downstream
AT2G27680	na	NAD(P)-linked c 2_11807173	4.3	proximal promoter
AT1G65110	na	Ubiquitin carbox 1_24188450	4.3	promoter
AT2G38240	na	2-oxoglutarate (2_16013911	4.3	intron
AT3G60897	na	This gene encod 3_22499144	4.3	promoter
AT3G60910	na	S-adenosyl-L-m 3_22499144	4.3	proximal promoter
AT4G33170	na	Tetratricopeptid 4_15999276	4.3	proximal promoter
AT1G15030	na	Encodes a Cyst 1_5176320	4.3	proximal promoter
AT1G26797	na	Plant self-incom 1_9280290	4.3	proximal promoter
AT1G26860	na	transposable elk 1_9306662	4.3	proximal promoter
AT1G78030	na	unknown proteir 1_29343158	4.3	exon
AT2G45520	na	unknown proteir 2_18756358	4.3	promoter
AT4G11680	na	Zinc finger, C3F 4_7055702	4.3	promoter
AT4G04340	na	ERD (early-resp 4_2122688	4.3	five_prime_UTR
AT4G15590	na	transposable elk 4_8907813	4.3	proximal promoter
AT4G25090	na	Riboflavin synth 4_12884398	4.3	proximal promoter
AT5G03030	na	Chaperone Dna 5_709868	4.3	promoter
AT5G24490	na	30S ribosomal r 5_8365602	4.3	five_prime_UTR
AT5G27150	NA+/H+ EXCHANGER 1 (NHX1)	Encodes a vacc 5_9553399	4.3	promoter
AT1G69490	NAC-LIKE, ACTIVATED BY AP3/PI (NAP)	Encodes a merr 1_26120910	4.3	proximal promoter
AT4G05180	PHOTOSYSTEM II SUBUNIT Q-2 (PSBQ-	Encodes the Ps 4_2673298	4.3	promoter
AT5G58600	POWDERY MILDEW RESISTANT 5 (PMR	Belongs to a lar 5_23685841	4.3	promoter
AT1G15020	QUIESCIN-SULFHYDRYL OXIDASE 1 (Q	Encodes a prot 1_5176320	4.3	promoter
AT3G43210	TETRASPORE (TES)	Encodes a kine: 3_15190713	4.3	promoter
AT2G42570	TRICHOME BIREFRINGENCE-LIKE 39 (T	Encodes a merr 2_17719479	4.3	intron
AT1G80840	WRKY DNA-BINDING PROTEIN 40 (WRK	Pathogen-induc 1_30380543	4.3	intergenic
AT4G29010	ABNORMAL INFLORESCENCE MERISTE	Functions in bet 4_14302301	4.29	promoter
AT5G05700	ARGININE-TRNA PROTEIN TRANSFERA	Encodes an arg 5_1712431	4.29	intergenic
AT4G34700	B22 SUBUNIT OF EUKARYOTIC MITOCH	Encodes the B2 4_16556757	4.29	promoter
AT1G21910	DEHYDRATION RESPONSE ELEMENT-E	encodes a mem 1_7699279	4.29	intergenic
AT4G39640	GAMMA-GLUTAMYL TRANSPEPTIDASE	The gene encoc 4_18399823	4.29	promoter
AT4G15440	HYDROPEROXIDE LYASE 1 (HPL1)	Encodes a hydr 4_8838094	4.29	exon
AT1G49430	LONG-CHAIN ACYL-COA SYNTHETASE	Encodes a long 1_18290934	4.29	promoter
AT4G24415	MICRORNA824A (MIR824A)	Encodes a micr 4_12622862	4.29	proximal promoter
AT5G44080	na	Basic-leucine zi 5_17739986	4.29	promoter
AT2G14878	na	na 2_6392896	4.29	exon
AT4G02090	na	unknown proteir 4_924795	4.29	intergenic
AT4G15450	na	Senescence/de 4_8838094	4.29	proximal promoter
AT1G26390	na	FAD-binding Be 1_9132747	4.29	proximal promoter
AT2G38070	na	Protein of unknc 2_15927073	4.29	proximal promoter
AT1G61460	na	S-locus protein 1_22677645	4.29	five_prime_UTR
AT1G03220	na	Eukaryotic aspa 1_786981	4.29	promoter
AT2G36145	na	unknown proteir 2_15169574	4.29	downstream
AT2G36150	na	pre-tRNA; tRNA 2_15169574	4.29	promoter
AT1G15840	na	unknown proteir 1_5452536	4.29	downstream
AT1G78260	na	RNA-binding (R 1_29446986	4.29	five_prime_UTR
AT2G20060	na	Ribosomal prote 2_8657360	4.29	proximal promoter
AT4G34695	na	pre-tRNA; tRNA 4_16556757	4.29	downstream
AT5G11416	na	This gene encod 5_3642908	4.29	exon
AT1G23550	SIMILAR TO RCD ONE 2 (SRO2)	Encodes a prot 1_8350255	4.29	proximal promoter
AT5G11590	TINY2 (TINY2)	encodes a mem 5_3728799	4.29	promoter
AT4G24670	TRYPTOPHAN AMINOTRANSFERASE R	Encodes a prot 4_12729898	4.29	intron
AT1G23480	CELLULOSE SYNTHASE-LIKE A3 (CSLA	encodes a gene 1_8333617	4.28	intron
AT2G36800	DON-GLUCOSYLTRANSFERASE 1 (DOC	Encodes a DON 2_15425271	4.28	promoter
AT2G26300	G PROTEIN ALPHA SUBUNIT 1 (GP ALP	Encodes an alp 2_11197052	4.28	five_prime_UTR
AT3G63480	na	ATP binding mic 3_23444110	4.28	promoter
AT4G34320	na	Protein of unknc 4_16419895	4.28	proximal promoter
AT1G18070	na	Translation elon 1_6218416	4.28	promoter
AT1G64150	na	Uncharacterizer 1_23812807	4.28	promoter
AT3G51290	na	Protein of unknc 3_19041181	4.28	intron
AT2G47820	na	unknown proteir 2_19587009	4.28	promoter
AT2G40270	na	Protein kinase f: 2_16825196	4.28	proximal promoter
AT2G14860	na	Peroxisomal me 2_6389762	4.28	promoter
AT2G25735	na	unknown proteir 2_10975874	4.28	promoter
AT2G25737	na	Sulfite exporter 2_10975874	4.28	proximal promoter
AT2G36810	na	ARM repeat sur 2_15425271	4.28	downstream
AT2G01410	na	NHL domain-co 2_178024	4.28	proximal promoter
AT3G22072	na	Potential natura 3_7773078	4.28	proximal promoter
AT3G05160	na	Major facilitator 3_1453584	4.28	exon
AT5G38990	na	Malectin/recept 5_15608746	4.28	promoter
AT5G57760	na	unknown proteir 5_23400465	4.28	promoter
AT1G02500	S-ADENOSYLMETHIONINE SYNTHETAS	encodes a S-ad 1_518126	4.28	promoter
AT5G48450	SKU5 SIMILAR 3 (sks3)	Encodes a prot 5_19635734	4.28	promoter

AT3G11730	(ATFP8)	Encodes a merr	3_3711626	4.27	promoter
AT3G61190	BON ASSOCIATION PROTEIN 1 (BAP1)	Encodes a prot	3_22650026	4.27	downstream
AT5G47100	CALCINEURIN B-LIKE PROTEIN 9 (CBL9)	member of AtCf	5_19131006	4.27	intron
AT1G12740	CYTOCHROME P450, FAMILY 87, SUBF	encodes a prote	1_4340350	4.27	proximal promoter
AT2G29980	FATTY ACID DESATURASE 3 (FAD3)	Endoplasmic re	2_12781512	4.27	downstream
AT3G16360	HPT PHOSPHOTRANSMITTER 4 (AHP4)	Encodes AHP4,	3_5552775	4.27	proximal promoter
AT1G32240	KANADI 2 (KAN2)	Encodes a merr	1_11630657	4.27	promoter
AT3G24090	L-GLUTAMINE D-FRUCTOSE-6-PHOSPH	Encodes a glut	3_8701119	4.27	promoter
AT5G23680	na	Sterile alpha mc	5_7986601	4.27	five_prime_UTR
AT1G63390	na	FAD/NAD(P)-bi	1_23507142	4.27	promoter
AT1G75510	na	Transcription ini	1_28349011	4.27	promoter
AT1G23000	na	Heavy metal tra	1_8145240	4.27	downstream
AT3G08910	na	DNAJ heat shoc	3_2712076	4.27	promoter
AT3G08920	na	Rhodanese/Cel	3_2712076	4.27	promoter
AT3G25600	na	Calcium-binding	3_9307122	4.27	promoter
AT3G08930	na	LMBR1-like mer	3_2712076	4.27	proximal promoter
AT4G22980	na	FUNCTIONS IN	4_12046495	4.27	proximal promoter
AT4G39270	na	Leucine-rich re	4_18279910	4.27	downstream
AT4G39280	na	phenylalanyl-tR	4_18279910	4.27	downstream
AT5G59080	na	unknown protei	5_23850233	4.27	proximal promoter
AT1G16390	ORGANIC CATION/CARNITINE TRANSP	organic cation/c	1_5602666	4.27	promoter
AT5G15600	SPIRAL1-LIKE4 (SP1L4)	SPIRAL1-LIKE4	5_5077367	4.27	proximal promoter
AT1G08880	(H2AXA)	Encodes HTA5,	1_2848234	4.26	promoter
AT4G34530	CRYPTOCHROME-INTERACTING BASIC	Encodes a trans	4_16498315	4.26	promoter
AT3G54050	HIGH CYCLIC ELECTRON FLOW 1 (HCE	Encodes a chlor	3_20016732	4.26	promoter
AT4G27230	HISTONE H2A 2 (HTA2)	Encodes HTA2,	4_13638502	4.26	promoter
AT4G22260	IMMUTANS (IM)	Similar to mitoc	4_11772584	4.26	promoter
AT3G09230	MYB DOMAIN PROTEIN 1 (MYB1)	member of MYE	3_2833245	4.26	promoter
AT1G52330	na	Late embryoger	1_19489288	4.26	exon
AT3G11590	na	unknown protei	3_3660304	4.26	promoter
AT5G64120	na	encodes a cell	5_25661090	4.26	promoter
AT1G08870	na	pre-tRNA; tRNA	1_2848234	4.26	proximal promoter
AT1G08890	na	Major facilitator	1_2848234	4.26	promoter
AT1G69430	na	unknown protei	1_26097712	4.26	promoter
AT1G76940	na	RNA-binding (R	1_28902096	4.26	intergenic
AT2G27500	na	Glycosyl hydro	2_11753974	4.26	five_prime_UTR
AT3G16370	na	GDSL-like Lipas	3_5559064	4.26	intergenic
AT4G34540	na	encodes a prote	4_16498315	4.26	promoter
AT5G62770	na	Protein of unkn	5_25211346	4.26	exon
AT5G57240	OSBP(OXYSTEROL BINDING PROTEIN)	OSBP(oxyestero	5_23192323	4.26	proximal promoter
AT3G02150	PLASTID TRANSCRIPTION FACTOR 1 (F	a chloroplast tra	3_390909	4.26	promoter
AT3G16380	POLY(A) BINDING PROTEIN 6 (PAB6)	polyadenylate-b	3_5559064	4.26	intron
AT1G41830	SKU5-SIMILAR 6 (SKS6)	SKU5-similar	6_1_15606009	4.26	intron
AT5G62170	TON1 RECRUITING MOTIF 25 (TRM25)	unknown protei	5_24977211	4.26	proximal promoter
AT4G38920	VACUOLAR-TYPE H(+)-ATPASE C3 (VH/	vacuolar-type H	4_18147061	4.26	promoter
AT1G58270	(ZW9)	ZW9 mRNA, co	1_21617211	4.25	intergenic
AT5G46290	3-KETOACYL-ACYL CARRIER PROTEIN	Encodes beta-k	5_18773889	4.25	downstream
AT1G73680	ALPHA DIOXYGENASE (ALPHA DOX2)	Encodes an alp	1_27707496	4.25	five_prime_UTR
AT3G28860	ATP-BINDING CASSETTE B19 (ABC B19)	Belongs to the	3_10872310	4.25	intron
AT2G24610	CYCLIC NUCLEOTIDE-GATED CHANNEL	member of Cycl	2_10457971	4.25	intron
AT2G28650	EXOCYST SUBUNIT EXO70 FAMILY PRC	A member of E	2_12289469	4.25	exon
AT1G02390	GLYCEROL-3-PHOSPHATE ACYLTRANS	Encodes a merr	1_479081	4.25	proximal promoter
AT1G73687	MICRORNA159A (MIR159A)	Encodes a micr	1_27711886	4.25	intergenic
AT5G46280	MINICHROMOSOME MAINTENANCE 3 (I	MINICHROMOS	5_18773889	4.25	promoter
AT4G20480	na	Putative endon	4_11035318	4.25	exon
AT1G02380	na	unknown protei	1_479081	4.25	downstream
AT1G15125	na	S-adenosyl-L-m	1_5204427	4.25	promoter
AT1G18820	na	pre-tRNA; tRNA	1_6488217	4.25	promoter
AT1G18830	na	Transducin/WVD	1_6488217	4.25	proximal promoter
AT1G73210	na	Protein of unkn	1_27533157	4.25	proximal promoter
AT2G19790	na	SNARE-like sup	2_8526925	4.25	promoter
AT1G15120	na	Ubiquinol-cyto	1_5204427	4.25	intergenic
AT4G13263	na	Protein of unkn	4_7716008	4.25	intergenic
AT5G19095	na	pre-tRNA; tRNA	5_6398517	4.25	proximal promoter
AT5G04670	na	Enhancer of pol	5_1341671	4.25	proximal promoter
AT5G23350	na	GRAM domain-	5_7860104	4.25	proximal promoter
AT5G57170	na	Tautomerase/M	5_23163376	4.25	promoter
AT3G61910	NAC DOMAIN PROTEIN 66 (NAC066)	NAC transcripti	3_22931244	4.25	proximal promoter
AT5G62170	TON1 RECRUITING MOTIF 25 (TRM25)	unknown protei	5_24972804	4.25	downstream
AT4G23010	UDP-GALACTOSE TRANSPORTER 2 (U	UDP-galactose	4_12062827	4.25	intron
AT1G76410	(ATL8)	ATL8; FUNCTIO	1_28669396	4.24	exon
AT3G12570	(FYD)	FYD; LOCATEC	3_3988678	4.24	intron
AT1G02205	ECERIFERUM 1 (CER1)	Expression of th	1_420307	4.24	intron
AT4G17500	ETHYLENE RESPONSIVE ELEMENT BIN	Encodes a merr	4_9757305	4.24	proximal promoter
AT1G54690	GAMMA HISTONE VARIANT H2AX (GAM	Encodes HTA3,	1_20415447	4.24	promoter
AT1G18970	GERMIN-LIKE PROTEIN 4 (GLP4)	Encodes a germ	1_6555946	4.24	proximal promoter
AT1G69330	na	RING/U-box su	1_26065648	4.24	promoter
AT2G01422	na	na	2_183412	4.24	proximal promoter
AT5G18460	na	Protein of Unkn	5_6127115	4.24	intergenic
AT5G18470	na	Curculin-like	(m_5_6127115	4.24	proximal promoter
AT2G01240	na	Reticulon fami	2_131220	4.24	proximal promoter
AT1G08180	na	unknown protei	1_2565647	4.24	proximal promoter
AT1G25682	na	Family of unkn	1_9004670	4.24	promoter
AT3G22700	na	F-box and asso	3_8025961	4.24	promoter
AT4G15790	na	unknown protei	4_8981716	4.24	promoter
AT4G39670	na	Glycolipid trans	4_18410033	4.24	promoter
AT5G65207	na	unknown protei	5_26052628	4.24	five_prime_UTR
AT5G45110	NPR1-LIKE PROTEIN 3 (NPR3)	Encodes a para	5_18228862	4.24	promoter
AT2G01420	PIN-FORMED 4 (PIN4)	Encodes a puta	2_183412	4.24	promoter
AT4G27410	RESPONSIVE TO DESICCATION 26 (RD)	Encodes a NAC	4_13709256	4.24	promoter
AT3G53530	SODIUM POTASSIUM ROOT DEFECTIVE	Chloroplast-tar	3_19845015	4.24	promoter
AT4G15780	VESICLE-ASSOCIATED MEMBRANE PR	member of VAM	4_8981716	4.24	five_prime_UTR
AT4G16160	(ATOEP16-2)	Homologous to	4_9159011	4.23	downstream
AT5G60360	ALEURAIN-LIKE PROTEASE (ALP)	Encodes a sene	5_24279815	4.23	promoter

AT1G08980	AMIDASE 1 (AMI1)	Encodes an enz	1_2884387	4.23	promoter
AT5G62430	CYCLING DOF FACTOR 1 (CDF1)	Dof-type zinc fir	5_25071472	4.23	proximal promoter
AT3G59100	GLUCAN SYNTHASE-LIKE 11 (GSL11)	encodes a prote	3_21853975	4.23	downstream
AT2G30860	GLUTATHIONE S-TRANSFERASE PHI 9	Encodes glutatr	2_13139031	4.23	five_prime_UTR
AT2G18950	HOMOGENITISATE PHYTYLTRANSFERA	Encodes homoç	2_8207038	4.23	promoter
AT1G73500	MAP KINASE KINASE 9 (MKK9)	member of MAF	1_27638483	4.23	intergenic
AT4G00870	na	basic helix-loop	4_363793	4.23	promoter
AT1G26950	na	transposable elk	1_9355006	4.23	proximal promoter
AT2G31090	na	unknown protei	2_13256194	4.23	five_prime_UTR
AT2G35360	na	ubiquitin family	1_2_14890992	4.23	promoter
AT2G27770	na	Plant protein of	2_11834365	4.23	five_prime_UTR
AT3G59110	na	Protein kinase s	3_21853975	4.23	proximal promoter
AT4G03250	na	Homeodomain-l	4_1428059	4.23	intergenic
AT4G03260	na	Outer arm dyne	4_1428059	4.23	promoter
AT4G16162	na	Leucine-rich re	4_9159011	4.23	downstream
AT5G47060	na	Protein of unkn	5_19116700	4.23	promoter
AT5G62950	na	RNA polymeras	5_25264132	4.23	promoter
AT5G66910	na	Disease resist	5_26721461	4.23	promoter
AT1G08970	NUCLEAR FACTOR Y, SUBUNIT C9 (NF-	heme activated	1_2884387	4.23	downstream
AT4G37870	PHOSPHOENOLPYRUVATE CARBOXYK	Encodes a phos	4_17806668	4.23	promoter
AT2G20610	SUPERROOT 1 (SUR1)	Confers auxin o	2_8880494	4.23	promoter
AT4G16740	TERPENE SYNTHASE 03 (TPS03)	Encodes an (E),	4_9407119	4.23	proximal promoter
AT5G53190	(SWEET3)	Nodulin MtN3 fe	5_21576609	4.22	proximal promoter
AT1G23310	GLUTAMATE:GLYOXYLATE AMINOTRA	Identified by clo	1_8272020	4.22	promoter
AT2G05290	na	transposable elk	2_1926598	4.22	exon
AT1G08270	na	CONTAINS Inte	1_2607774	4.22	promoter
AT1G71520	na	encodes a mem	1_26938019	4.22	proximal promoter
AT1G72416	na	Chaperone Dna	1_27259584	4.22	intron
AT3G11420	na	Protein of unkn	3_3590606	4.22	proximal promoter
AT3G50350	na	Protein of unkn	3_18673048	4.22	intron
AT5G38200	na	Class I glutamin	5_15258031	4.22	intron
AT5G04440	na	Protein of unkn	5_1254801	4.22	promoter
AT4G25700	BETA-HYDROXYLASE 1 (BETA-OHASE	Converts beta-c	4_13095964	4.21	promoter
AT5G64905	ELICITOR PEPTIDE 3 PRECURSOR (PR	elicitor peptide	5_25938213	4.21	proximal promoter
AT4G19960	K+ UPTAKE PERMEASE 9 (KUP9)	Encodes a pota	4_10813138	4.21	promoter
AT2G47610	na	Ribosomal prote	2_19528971	4.21	proximal promoter
AT4G36850	na	PQ-loop repeat	4_17357804	4.21	proximal promoter
AT4G36860	na	LIM domain-cor	4_17357804	4.21	intergenic
AT1G62301	na	unknown protei	1_23024038	4.21	intergenic
AT1G04280	na	P-loop containir	1_1145863	4.21	intron
AT1G68490	na	unknown protei	1_25695716	4.21	intergenic
AT3G53430	na	Ribosomal prote	3_19808408	4.21	intergenic
AT3G58610	na	ketol-acid reduc	3_21675361	4.21	intergenic
AT4G11300	na	CONTAINS Inte	4_6875005	4.21	proximal promoter
AT4G27020	na	unknown protei	4_13571696	4.21	promoter
AT5G24040	na	Protein of unkn	5_8125589	4.21	intergenic
AT5G64900	PRECURSOR OF PEPTIDE 1 (PROPEP1	Encodes a puta	5_25938213	4.21	downstream
AT3G09880	(ATB' BETA)	Encodes B' regi	3_3028549	4.2	proximal promoter
AT3G02920	(RPA32B)	RPA32B; FUNC	3_654560	4.2	promoter
AT1G53280	DJ-1 HOMOLOG B (DJ1B)	Encodes a hom	1_19867514	4.2	promoter
AT3G52930	FRUCTOSE-BISPHOSPHATE ALDOLASE	Aldolase super	3_19629091	4.2	promoter
AT3G63030	METHYL-CPG-BINDING DOMAIN 4 (MBC	Protein containi	3_23295189	4.2	promoter
AT1G70420	na	Protein of unkn	1_26541470	4.2	proximal promoter
AT4G38330	na	Integral membr	4_17951230	4.2	promoter
AT3G09870	na	SAUR-like aux	3_3028549	4.2	proximal promoter
AT1G17360	na	BEST Arabidop:	1_5946303	4.2	promoter
AT1G27470	na	transducin famil	1_9544337	4.2	promoter
AT1G64600	na	methyltransfera:	1_23995805	4.2	promoter
AT2G38646	na	unknown protei	2_16160150	4.2	promoter
AT3G02315	na	pre-tRNA; tRNA	3_469745	4.2	downstream
AT3G09032	na	unknown protei	3_2757183	4.2	intergenic
AT3G23480	na	Cyclopropane-fi	3_8418772	4.2	promoter
AT3G63020	na	Protein of unkn	3_23295189	4.2	downstream
AT5G01890	na	Leucine-rich rec	5_344904	4.2	five_prime_UTR
AT3G16640	TRANSLATIONALLY CONTROLLED TUM	Encodes a prote	3_5670912	4.2	promoter
AT5G05810	(ATL43)	ATL43; FUNCT	5_1747980	4.19	exon
AT3G25860	(LTA2)	Nuclear encode	3_9462879	4.19	downstream
AT1G11650	(RBP45B)	Encodes an RN	1_3914685	4.19	promoter
AT5G54510	DWARF IN LIGHT 1 (DFL1)	Encodes an IA ^Δ	5_22136618	4.19	proximal promoter
AT3G56700	FATTY ACID REDUCTASE 6 (FAR6)	Encodes a fatty	3_21002249	4.19	promoter
AT2G44180	METHIONINE AMINOPEPTIDASE 2A (MA	Encodes a MAF	2_18271975	4.19	promoter
AT3G50845	na	Protein of unkn	3_18902158	4.19	proximal promoter
AT3G50860	na	Clathrin adaptor	3_18902158	4.19	five_prime_UTR
AT3G50850	na	Putative methyl	3_18902158	4.19	promoter
AT2G42450	na	alpha/beta-Hydr	2_17676041	4.19	proximal promoter
AT1G11640	na	pre-tRNA; tRNA	1_3914685	4.19	exon
AT1G49210	na	RING/U-box suj	1_18201737	4.19	promoter
AT1G63170	na	Zinc finger, C3F	1_23425353	4.19	five_prime_UTR
AT2G25625	na	unknown protei	2_10906195	4.19	promoter
AT2G41400	na	Pollen Ole e 1	2_17260954	4.19	intergenic
AT3G25870	na	unknown protei	3_9462879	4.19	intergenic
AT3G53190	na	Pectin lyase-like	3_19716065	4.19	intron
AT4G03405	na	pre-tRNA; tRNA	4_1501657	4.19	five_prime_UTR
AT4G03410	na	Peroxisomal me	4_1501657	4.19	five_prime_UTR
AT4G11970	na	YTH family prot	4_7180292	4.19	promoter
AT4G32760	na	ENTH/VHS/GA'	4_15798514	4.19	proximal promoter
AT4G25550	na	Cleavage/polya	4_13048347	4.19	promoter
AT4G32750	na	unknown protei	4_15798514	4.19	promoter
AT5G05800	na	unknown protei	5_1747980	4.19	proximal promoter
AT5G20885	na	RING/U-box suj	5_7085232	4.19	promoter
AT4G01250	(WRKY22)	AtWRKY22 is a	4_524123	4.18	exon
AT5G56870	BETA-GALACTOSIDASE 4 (BGAL4)	beta-galactosid	5_23008678	4.18	downstream
AT2G31081	CLAVATA3/ESR-RELATED 4 (CLE4)	Member of a lar	2_13233762	4.18	intergenic
AT5G61420	MYB DOMAIN PROTEIN 28 (MYB28)	Encodes a nucl	5_24696658	4.18	intergenic

AT3G09595	na	pre-tRNA; tRNA 3_2946345	4.18	proximal promoter
AT3G58193	na	snoRNA; snoR1 3_21554854	4.18	intergenic
AT5G53590	na	SAUR-like auxin 5_21769908	4.18	proximal promoter
AT3G02500	na	unknown proteir 3_518528	4.18	proximal promoter
AT3G55390	na	Uncharacterise 3_20534707	4.18	five_prime_UTR
AT1G66260	na	RNA-binding (R 1_24698520	4.18	intron
AT3G62050	na	Putative endon 3_22978107	4.18	promoter
AT5G56880	na	unknown proteir 5_23008678	4.18	intergenic
AT5G58787	na	RING/U-box suj 5_23742349	4.18	promoter
AT5G58784	na	Undecaprenyl p 5_23742349	4.18	proximal promoter
AT5G67050	na	alpha/beta-Hydr 5_26762681	4.18	proximal promoter
AT3G09600	REVEILLE 8 (RVE8)	Encodes a MYE 3_2946345	4.18	promoter
AT1G13280	ALLENE OXIDE CYCLASE 4 (AOC4)	Encodes allene 1_4547447	4.17	promoter
AT3G55360	ECERIFERUM 10 (CER10)	Enoyl-CoA redu 3_20522973	4.17	five_prime_UTR
AT1G79000	HISTONE ACETYLTRANSFERASE OF TH	Homologous to 1_29724887	4.17	promoter
AT3G01100	HYPOTHETICAL PROTEIN 1 (HYP1)	unknown proteir 3_38922	4.17	promoter
AT4G22880	LEUCOANTHOCYANIDIN DIOXYGENASE1	encodes leucoa 4_12006423	4.17	promoter
AT3G01120	METHIONINE OVERACCUMULATION 1 (M	encodes a cyste 3_38922	4.17	three_prime_UTR
AT3G06490	MYB DOMAIN PROTEIN 108 (MYB108)	putative transcr 3_2000504	4.17	proximal promoter
AT1G24600	na	unknown proteir 1_8719494	4.17	proximal promoter
AT4G14135	na	Pseudogene of 4_8140149	4.17	proximal promoter
AT3G02335	na	pre-tRNA; tRNA 3_476792	4.17	promoter
AT1G26090	na	P-loop containir 1_9020356	4.17	promoter
AT1G79010	na	Alpha-helical fei 1_29724887	4.17	three_prime_UTR
AT2G39690	na	Protein of unkn 2_16540783	4.17	promoter
AT1G27190	na	Leucine-rich re 1_9449332	4.17	proximal promoter
AT1G27200	na	CONTAINS Inte 1_9449332	4.17	downstream
AT3G47630	na	CONTAINS Inte 3_17562856	4.17	downstream
AT3G60957	na	pseudogene of 3_22535658	4.17	downstream
AT3G60960	na	Tetratricopeptid 3_22535658	4.17	promoter
AT4G01590	na	unknown proteir 4_690534	4.17	promoter
AT4G01593	na	Potential natura 4_690534	4.17	promoter
AT4G01595	na	Protein kinase s 4_690534	4.17	downstream
AT5G37540	na	Eukaryotic aspa 5_14916059	4.17	intergenic
AT5G51260	na	HAD superfamil 5_20833862	4.17	promoter
AT3G58840	PEROXISOMAL AND MITOCHONDRIAL I	Encodes PERO 3_21758892	4.17	promoter
AT3G58780	SHATTERPROOF 1 (SHP1)	One of two gen 3_21737402	4.17	proximal promoter
AT3G01680	SIEVE-ELEMENT-OCCLUSION-RELATE	Encodes a prot 3_251786	4.17	promoter
AT5G21990	TETRATRICOPEPTIDE REPEAT 7 (TPR7)	Encodes one of 5_7269769	4.17	intergenic
AT5G62850	VEGETATIVE CELL EXPRESSED1 (AtVE	Encodes a prot 5_25231934	4.17	promoter
AT2G44610	(RAB6A)	Encodes a GTP 2_18414175	4.16	promoter
AT4G15920	(SWEET17)	Nodulin MtN3 fe 4_9031245	4.16	intron
AT1G31230	ASPARTATE KINASE-HOMOSERINE DEI	Encodes a bifur 1_11163998	4.16	proximal promoter
AT1G51140	FLOWERING BHLH 3 (FBH3)	Encodes a basi 1_18945830	4.16	promoter
AT4G31877	MICRORNA156C (MIR156C)	Encodes a micr 4_15417646	4.16	proximal promoter
AT2G44620	MITOCHONDRIAL ACYL CARRIER PRO1	Encodes a merr 2_18414175	4.16	promoter
AT5G01340	MITOCHONDRIAL SUCCINATE-FUMARA	Mitochondrial st 5_142821	4.16	downstream
AT1G60783	na	unknown proteir 1_22377693	4.16	intergenic
AT3G14240	na	Subtilase family 3_4745002	4.16	proximal promoter
AT1G31240	na	Bromodomain tr 1_11163998	4.16	three_prime_UTR
AT1G03370	na	C2 calcium/lipid 1_830525	4.16	promoter
AT1G75400	na	RING/U-box suj 1_28295953	4.16	proximal promoter
AT3G48550	na	BEST Arabidop: 3_17998445	4.16	intergenic
AT3G54880	na	unknown proteir 3_20338676	4.16	promoter
AT3G55646	na	unknown proteir 3_20644014	4.16	proximal promoter
AT3G61950	na	basic helix-loop 3_22941575	4.16	downstream
AT3G61960	na	Protein kinase s 3_22941575	4.16	downstream
AT4G20290	na	unknown proteir 4_10955335	4.16	exon
AT4G20300	na	Protein of unkn 4_10955335	4.16	promoter
AT4G26960	na	unknown proteir 4_13539582	4.16	intron
AT4G26965	na	NADH:ubiquinoi 4_13539582	4.16	promoter
AT4G35320	na	unknown proteir 4_16806683	4.16	promoter
AT3G54890	PHOTOSYSTEM I LIGHT HARVESTING C	Encodes a com 3_20338676	4.16	intergenic
AT2G36960	TSL-KINASE INTERACTING PROTEIN 1 (	Arabidopsis thal 2_15522429	4.16	promoter
AT1G07130	(STN1)	Encodes a prot 1_2188437	4.15	three_prime_UTR
AT1G58440	(XF1)	Encodes a puta 1_21717415	4.15	promoter
AT3G48190	ATAXIA-TELANGIECTASIA MUTATED (A	Encodes a hom 3_17801206	4.15	intron
AT2G37300	ATP-BINDING CASSETTE 116 (ABC116)	unknown proteir 2_15664530	4.15	intron
AT3G06650	ATP-CITRATE LYASE B-1 (ACLB-1)	One of the two 3_2083296	4.15	promoter
AT4G24510	ECERIFERUM 2 (CER2)	Involved in C28 4_12661824	4.15	exon
AT2G30200	EMBRYO DEFECTIVE 3147 (EMB3147)	catalytic;transf 2_12885746	4.15	intron
AT3G43270	na	Plant invertase/ 3_15226602	4.15	proximal promoter
AT3G66652	na	fp1 motif-contai 3_2083296	4.15	promoter
AT4G23432	na	This gene encod 4_12233369	4.15	exon
AT1G02750	na	Drought-respon 1_602393	4.15	promoter
AT1G06840	na	Leucine-rich re 1_2103388	4.15	five_prime_UTR
AT1G07128	na	Potential natura 1_2188437	4.15	promoter
AT3G13980	na	unknown proteir 3_4623450	4.15	intergenic
AT3G15220	na	Protein kinase s 3_5132479	4.15	promoter
AT3G61930	na	unknown proteir 3_22934147	4.15	proximal promoter
AT3G63270	na	CONTAINS Inte 3_23377576	4.15	promoter
AT5G03380	na	Heavy metal tra 5_831071	4.15	intergenic
AT5G54064	na	pseudogene, sir 5_21940017	4.15	promoter
AT1G30380	PHOTOSYSTEM I SUBUNIT K (PSAK)	Encodes subun 1_10722067	4.15	promoter
AT2G45640	SIN3 ASSOCIATED POLYPEPTIDE P18 (	Involved in the r 2_18801823	4.15	promoter
AT1G10760	STARCH EXCESS 1 (SEX1)	Encodes an 1_3590671	4.15	intron
AT1G24460	TGN-LOCALIZED SYP41 INTERACTING	Encodes a nove 1_8665813	4.15	promoter
AT1G25280	TUBBY LIKE PROTEIN 10 (TLP10)	Member of TLP 1_8863813	4.15	five_prime_UTR
AT1G75540	B-BOX DOMAIN PROTEIN 21 (BBX21)	Encodes a B-bc 1_28363274	4.14	proximal promoter
AT4G19230	CYTOCHROME P450, FAMILY 707, SUBF	Encodes a prot 4_10521248	4.14	promoter
AT2G21330	FRUCTOSE-BISPHOSPHATE ALDOLASE1	fructose-bispho: 2_9130640	4.14	promoter
AT2G46550	na	unknown proteir 2_19114274	4.14	promoter
AT3G10915	na	Reticulon family 3_3415798	4.14	downstream
AT5G39570	na	FUNCTIONS IN 5_15843893	4.14	promoter

AT2G30380	na	CONTAINS Inte 2_12946551	4.14	proximal promoter
AT1G59860	na	HSP20-like chai 1_22031402	4.14	promoter
AT2G03667	na	Asparagine syn 2_1114049	4.14	promoter
AT2G19340	na	Oligosaccharyltr 2_8375992	4.14	promoter
AT3G02250	na	O-fucosyltransfr 3_429771	4.14	proximal promoter
AT2G03660	na	pre-tRNA; tRNA 2_1114049	4.14	exon
AT2G36220	na	unknown proteir 2_15189878	4.14	proximal promoter
AT3G10910	na	RING/U-box suq 3_3414990	4.14	proximal promoter
AT3G50130	na	Plant protein of 3_18589844	4.14	exon
AT4G08910	na	unknown proteir 4_5710913	4.14	proximal promoter
AT4G09890	na	Protein of unknc 4_6218000	4.14	promoter
AT5G35735	na	Auxin-responsiv 5_13902927	4.14	exon
AT5G61220	na	LYR family of Fr 5_24627085	4.14	promoter
AT5G65360	na	Histone superfa 5_26120803	4.14	promoter
AT3G45980	(HTB9)	Encodes a histc 3_16898112	4.13	promoter
AT1G62960	ACC SYNTHASE 10 (ACS10)	Encodes an am 1_23320408	4.13	promoter
AT3G50070	CYCLIN D3;3 (CYCD3;3)	Encode CYCD3 3_18567181	4.13	promoter
AT3G45970	EXPANSIN-LIKE A1 (EXLA1)	member of EXP 3_16898112	4.13	intergenic
AT5G22830	MAGNESIUM (MG) TRANSPORTER 10 (I	Transmembran 5_7627082	4.13	proximal promoter
AT3G03070	na	NADH-ubiquino 3_696034	4.13	intergenic
AT3G58700	na	Ribosomal L5P 3_21711468	4.13	promoter
AT3G58690	na	Protein kinase s 3_21711468	4.13	downstream
AT4G22980	na	FUNCTIONS IN 4_12047679	4.13	proximal promoter
AT1G33760	na	encodes a mem 1_12239433	4.13	intergenic
AT1G58420	na	Uncharacterisek 1_21707297	4.13	promoter
AT2G16290	na	CONTAINS Inte 2_7056317	4.13	intergenic
AT3G09180	na	CONTAINS Inte 3_2819155	4.13	five_prime_UTR
AT2G39980	na	HXXXD-type ac 2_16692501	4.13	proximal promoter
AT3G47070	na	LOCATED IN: tl 3_17337814	4.13	promoter
AT3G47080	na	Tetratricopeptid 3_17337814	4.13	intergenic
AT3G54910	na	RNI-like superfa 3_20345027	4.13	promoter
AT3G60110	na	DNA-binding br 3_22197605	4.13	promoter
AT4G00530	na	unknown proteir 4_233877	4.13	promoter
AT4G13710	na	Pectin lyase-like 4_7964404	4.13	intron
AT4G39420	na	unknown proteir 4_18339172	4.13	promoter
AT5G14880	na	Potassium trans 5_4812859	4.13	proximal promoter
AT5G22820	na	ARM repeat suq 5_7627082	4.13	promoter
AT5G49950	na	alpha/beta-Hydr 5_20323907	4.13	promoter
AT5G49960	na	unknown proteir 5_20323907	4.13	downstream
AT5G56290	PEROXIN 5 (PEX5)	Encodes the pe 5_22792284	4.13	downstream
AT3G54920	POWDERY MILDEW RESISTANT 6 (PMR	Powdery mildew 3_20345027	4.13	promoter
AT2G40340	(DREB2C)	Encodes a merr 2_16850618	4.12	promoter
AT4G35450	ANKYRIN REPEAT-CONTAINING PROTE	Involved in tarq 4_16839450	4.12	promoter
AT3G63310	BRZ-INSENSITIVE-LONG HYPOCOTYLS	Mediates cell el 3_23389105	4.12	promoter
AT4G35440	CHLORIDE CHANNEL E (CLC-E)	Enclodes a choi 4_16839450	4.12	promoter
AT3G13920	EUKARYOTIC TRANSLATION INITIATION	eukaryotic trans 3_4595750	4.12	proximal promoter
AT1G01580	FERRIC REDUCTION OXIDASE 2 (FRO2)	Encodes the lov 1_210729	4.12	intron
AT5G48930	HYDROXYCINNAMOYL-COA SHIKIMATE	At5g48930 has 5_19838256	4.12	promoter
AT4G18230	na	FUNCTIONS IN 4_10081972	4.12	promoter
AT1G35180	na	TRAM, LAG1 ar 1_12878826	4.12	promoter
AT1G30720	na	FAD-binding Be 1_10897769	4.12	promoter
AT3G13930	na	Dihydrolipoamic 3_4595750	4.12	promoter
AT3G19520	na	Protein of unknc 3_6772573	4.12	promoter
AT3G44570	na	Arabidopsis retr 3_16158383	4.12	promoter
AT3G23840	na	HXXXD-type ac 3_8609658	4.12	proximal promoter
AT4G36925	na	unknown proteir 4_17407947	4.12	intergenic
AT4G28100	na	unknown proteir 4_13965946	4.12	intron
AT5G44570	na	unknown proteir 5_17966779	4.12	intergenic
AT5G44572	na	unknown proteir 5_17966779	4.12	proximal promoter
AT5G58340	na	myb-like HTH tr 5_23584649	4.12	intron
AT4G18240	STARCH SYNTHASE 4 (SS4)	starch synthase 4_10081972	4.12	promoter
AT5G58350	WITH NO LYSINE (K) KINASE 4 (WNK4)	Encodes a merr 5_23584649	4.12	promoter
AT3G02830	ZINC FINGER PROTEIN 1 (ZFN1)	Encodes a zinc 3_613638	4.12	promoter
AT5G43630	(TZP)	Encodes a zinc 5_17525007	4.11	proximal promoter
AT1G33980	(UPF3)	Involved in mRT 1_12351438	4.11	promoter
AT3G10740	ALPHA-L-ARABINOFURANOSIDASE 1 (A	Encodes a bifur 3_3366597	4.11	proximal promoter
AT4G25960	ATP-BINDING CASSETTE B2 (ABCB2)	P-glycoprotein 2 4_13179012	4.11	intron
AT1G55350	DEFECTIVE KERNEL 1 (DEK1)	Similar to maize 1_20665137	4.11	promoter
AT4G00850	GRF1-INTERACTING FACTOR 3 (GIF3)	Arabidopsis thal 4_357393	4.11	promoter
AT3G20810	JUMONJI DOMAIN CONTAINING 5 (JM.JI	JMJD5 encodes 3_7278665	4.11	intergenic
AT3G10745	MICRORNA158A (MIR158A)	Encodes a micr 3_3366597	4.11	promoter
AT5G55970	na	RING/U-box suq 5_22665424	4.11	proximal promoter
AT1G70750	na	Protein of unknc 1_26684024	4.11	proximal promoter
AT3G27328	na	unknown proteir 3_10111774	4.11	exon
AT4G00840	na	DHHC-type zinc 4_357393	4.11	promoter
AT4G22290	na	Ubiquitin-specifi 4_11785823	4.11	promoter
AT2G40935	na	PLAC8 family pi 2_17082844	4.11	promoter
AT4G39270	na	Leucine-rich ref 4_18276295	4.11	promoter
AT1G19480	na	DNA glycosylas 1_6744339	4.11	promoter
AT1G33970	na	P-loop containir 1_12351438	4.11	promoter
AT1G61450	na	unknown proteir 1_22673046	4.11	promoter
AT2G17240	na	unknown proteir 2_7497600	4.11	proximal promoter
AT1G06640	na	encodes a prote 1_2034132	4.11	downstream
AT1G06645	na	2-oxoglutarate (1_2034132	4.11	promoter
AT2G41820	na	Leucine-rich ref 2_17445216	4.11	proximal promoter
AT3G20820	na	Leucine-rich ref 3_7278665	4.11	proximal promoter
AT4G13100	na	RING/U-box suq 4_7638583	4.11	intron
AT4G14342	na	Splicing factor 3 4_8255649	4.11	promoter
AT4G14345	na	pre-tRNA; tRNA 4_8255649	4.11	promoter
AT4G25170	na	Uncharacterisek 4_12909566	4.11	promoter
AT5G20736	na	This gene encod 5_7023368	4.11	intergenic
AT5G60410	(SIZ1)	Encodes a plar 5_24301390	4.1	intergenic
AT4G17640	CASEIN KINASE II BETA CHAIN 2 (CKB2	Encodes casein 4_9825127	4.1	promoter
AT2G20190	CLIP-ASSOCIATED PROTEIN (CLASP)	Encodes a micr 2_8719102	4.1	promoter

AT4G21810	DERLIN-2.1 (DER2.1)	DERLIN-2.1 (Df 4_11577235	4.1	promoter
AT5G62070	IQ-DOMAIN 23 (IQD23)	IQ-domain 23 (I 5_24932705	4.1	promoter
AT1G63720	na	BEST Arabidop: 1_23638038	4.1	proximal promoter
AT1G55265	na	Protein of unknk 1_20617246	4.1	promoter
AT1G67900	na	Phototropic-resj 1_25470109	4.1	downstream
AT1G67910	na	unknown proteir 1_25470109	4.1	intergenic
AT4G17620	na	glycine-rich prot 4_9825127	4.1	downstream
AT1G29950	na	basic helix-loop 1_10489910	4.1	proximal promoter
AT5G59055	na	pre-tRNA; tRNA 5_23845038	4.1	intergenic
AT5G59060	na	BEST Arabidop: 5_23845038	4.1	promoter
AT5G59070	na	UDP-Glycosyltr: 5_23845038	4.1	promoter
AT1G28760	na	Uncharacterizer 1_10102918	4.1	promoter
AT1G32460	na	unknown proteir 1_11738140	4.1	five_prime_UTR
AT1G32470	na	Single hybrid m: 1_11738140	4.1	intergenic
AT1G78260	na	RNA-binding (R 1_29449780	4.1	intron
AT1G78265	na	Potential natura 1_29449780	4.1	proximal promoter
AT2G28390	na	SAND family pr: 2_12145732	4.1	proximal promoter
AT3G28918	na	unknown proteir 3_10934870	4.1	intergenic
AT3G56408	na	Potential natura 3_20921410	4.1	downstream
AT3G56410	na	Protein of unknk 3_20921410	4.1	promoter
AT5G08520	na	Duplicated hom 5_2756860	4.1	intron
AT5G25625	na	pre-tRNA; tRNA 5_8947239	4.1	promoter
AT5G25630	na	Tetratricopeptid 5_8947239	4.1	intron
AT5G60430	na	drug transmemt 5_24301390	4.1	promoter
AT1G56010	NAC DOMAIN CONTAINING PROTEIN 1	Encodes a trans 1_20949985	4.1	proximal promoter
AT1G78270	UDP-GLUCOSYL TRANSFERASE 85A4 (	UDP-glucosyl tr 1_29449780	4.1	intergenic
AT2G33540	C-TERMINAL DOMAIN PHOSPHATASE-L	C-terminal dom: 2_14209279	4.09	promoter
AT3G23000	CBL-INTERACTING PROTEIN KINASE 7	Encodes a serir 3_8170891	4.09	proximal promoter
AT4G15560	CLOROPLASTOS ALTERADOS 1 (CLA1)	Encodes a prote 4_8883863	4.09	promoter
AT3G11040	ENDO-BETA-N-ACETYLLUCOSAMINIDA	Glycosyl hydrol: 3_3459839	4.09	promoter
AT3G17860	JASMONATE-ZIM-DOMAIN PROTEIN 3 (	JAZs are direct 3_6118551	4.09	proximal promoter
AT3G18850	LYSOPHOSPHATIDYL ACYLTRANSFER	lysophosphatid: 3_6499170	4.09	intergenic
AT5G10950	na	Tudor/PWWP/ln 5_3461808	4.09	promoter
AT2G25690	na	Protein of unknk 2_10942351	4.09	promoter
AT1G03140	na	splicing factor P 1_754321	4.09	downstream
AT1G06480	na	pre-tRNA; tRNA 1_1978184	4.09	downstream
AT2G02910	na	Protein of unknk 2_849806	4.09	promoter
AT2G44670	na	Protein of unknk 2_18424676	4.09	proximal promoter
AT3G17850	na	Protein kinase s 3_6116877	4.09	promoter
AT3G18845	na	Encodes a Prot: 3_6499170	4.09	promoter
AT3G27110	na	Peptidase famih 3_9997836	4.09	promoter
AT3G51390	na	DHHC-type zinc 3_19075430	4.09	promoter
AT4G21445	na	unknown proteir 4_11425928	4.09	downstream
AT4G21450	na	PapD-like super 4_11425928	4.09	promoter
AT4G26375	na	pre-tRNA; tRNA 4_13336335	4.09	downstream
AT4G32285	na	ENTH/ANTH/Vf: 4_15585636	4.09	promoter
AT1G03130	PHOTOSYSTEM I SUBUNIT D-2 (PSAD-2	Encodes a prot: 1_754321	4.09	promoter
AT1G03780	TARGETING PROTEIN FOR XKLP2 (TPX	Homolog of vert 1_952066	4.09	promoter
AT4G24040	TREHALASE 1 (TRE1)	Encodes a treh: 4_12489118	4.09	exon
AT4G14622	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 4_8389281	4.08	three_prime_UTR
AT4G37410	CYTOCHROME P450, FAMILY 81, SUBF	member of CYP 4_17588173	4.08	proximal promoter
AT3G11400	EUKARYOTIC TRANSLATION INITIATION	One of the 2 qe 3_3578309	4.08	promoter
AT2G37090	IRREGULAR XYLEM 9 (IRX9)	The IRX9 gene 2_15588336	4.08	exon
AT3G01820	na	P-loop containir 3_293218	4.08	intergenic
AT1G14590	na	Nucleotide-diph 1_4996098	4.08	intergenic
AT2G22760	na	basic helix-loop 2_9675958	4.08	proximal promoter
AT3G11402	na	Cysteine/Histidi 3_3578309	4.08	downstream
AT4G14620	na	Protein of unknk 4_8389281	4.08	three_prime_UTR
AT5G41040	na	Encodes a ferul 5_16431336	4.08	promoter
AT5G10690	na	pentatricopeptic 5_3377606	4.08	promoter
AT5G10695	na	unknown proteir 5_3377606	4.08	promoter
AT5G10700	na	Peptidyl-tRNA h 5_3377606	4.08	intergenic
AT5G32450	na	RNA binding (R 5_12079487	4.08	promoter
AT5G53460	NADH-DEPENDENT GLUTAMATE SYNTI	NADH-depende 5_21697766	4.08	proximal promoter
AT3G63180	TIC-LIKE (TKL)	TIC-like (TKL); f: 3_23341128	4.08	proximal promoter
AT5G04740	ACT DOMAIN REPEATS 12 (ACR12)	Encodes a ACT 5_1372048	4.07	proximal promoter
AT1G30330	AUXIN RESPONSE FACTOR 6 (ARF6)	Encodes a merr 1_10691857	4.07	proximal promoter
AT5G16260	EARLY FLOWERING 9 (ELF9)	Encodes a RNA 5_5316186	4.07	intergenic
AT1G78300	GENERAL REGULATORY FACTOR 2 (Gf	G-box binding f: 1_29461339	4.07	promoter
AT5G27670	HISTONE H2A 7 (HTA7)	Encodes HTA7, 5_9793555	4.07	promoter
AT2G21050	LIKE AUXIN RESISTANT 2 (LAX2)	Encodes LAX2 2_9035571	4.07	exon
AT5G15580	LONGIFOLIA1 (LNG1)	Encodes LONG 5_5072846	4.07	promoter
AT4G37910	MITOCHONDRIAL HEAT SHOCK PROTE	mitochondrial he 4_17828306	4.07	promoter
AT5G14370	na	CCT motif famih 5_4633757	4.07	promoter
AT5G55896	na	transposable elk 5_22633422	4.07	promoter
AT5G27660	na	Trypsin family p 5_9793555	4.07	proximal promoter
AT2G40230	na	HXXXD-type ac 2_16803381	4.07	exon
AT2G47870	na	Thioredoxin sup 2_19602526	4.07	proximal promoter
AT4G29780	na	unknown proteir 4_14578516	4.07	proximal promoter
AT5G04750	na	F1F0-ATPase ir 5_1372048	4.07	promoter
AT4G35110	na	Arabidopsis phc 4_16715132	4.07	promoter
AT4G37920	na	unknown proteir 4_17828306	4.07	downstream
AT5G15581	na	unknown proteir 5_5072846	4.07	intergenic
AT5G59020	na	Protein of unknk 5_23830621	4.07	promoter
AT5G61345	na	pre-tRNA; tRNA 5_24667152	4.07	promoter
AT5G64600	na	O-fucosyltransf 5_25824956	4.07	promoter
AT2G22860	PHYTOSULFOKINE 2 PRECURSOR (PSI	Phytosulfokine ; 2_9737157	4.07	promoter
AT2G02850	PLANTACYANIN (ARPN)	Encodes planta 2_827834	4.07	promoter
AT3G08730	PROTEIN-SERINE KINASE 1 (PK1)	Encodes a prote 3_2654243	4.07	promoter
AT5G27680	RECO HELICASE SIM (RECSIM)	DNA helicase 5_9793555	4.07	intergenic
AT5G16270	SISTER CHROMATID COHESION 1 PRO	Encodes a SCC 5_5316186	4.07	promoter
AT2G02860	SUCROSE TRANSPORTER 2 (SUT2)	encodes a suc: 2_827834	4.07	intergenic
AT3G26280	CYTOCHROME P450, FAMILY 71, SUBF	cytochrome P4f 3_9632075	4.06	promoter
AT1G51950	INDOLE-3-ACETIC ACID INDUCIBLE 18 (	indole-3-acetic ; 1_19302758	4.06	proximal promoter

AT5G15630	IRREGULAR XYLEM 6 (IRX6)	Encodes a mem	5_5086856	4.06	downstream
AT5G12330	LATERAL ROOT PRIMORDIUM 1 (LRP1)	A member of S	5_3990043	4.06	promoter
AT2G39440	na	CONTAINS Inte	2_16469918	4.06	promoter
AT3G49160	na	Expression of tr	3_18224931	4.06	promoter
AT5G15640	na	Mitochondrial st	5_5086856	4.06	proximal promoter
AT1G29240	na	Protein of unknc	1_10219844	4.06	five_prime_UTR
AT1G64610	na	Transducin/WD	1_24003210	4.06	proximal promoter
AT1G04680	na	Pectin lyase-like	1_1307969	4.06	promoter
AT1G06890	na	Nucleotide/sugc	1_2114693	4.06	promoter
AT2G17670	na	Tetrapeptide	2_7674183	4.06	promoter
AT2G19940	na	oxidoreductase:	2_8612815	4.06	promoter
AT2G30930	na	unknown protei	2_13162124	4.06	promoter
AT2G42420	na	pre-tRNA; tRNA	2_17660774	4.06	promoter
AT3G27570	na	Sucrase/ferredc	3_10216834	4.06	promoter
AT4G15790	na	unknown protei	4_8984805	4.06	intergenic
AT4G20830	na	FAD-binding Be	4_1154509	4.06	proximal promoter
AT4G35837	na	This gene encod	4_16979924	4.06	intergenic
AT5G53490	na	thylakoid lumen:	5_21725853	4.06	proximal promoter
AT5G53500	na	Transducin/WD	5_21725853	4.06	three_prime_UTR
AT1G62720	NOVEL GENE 1 (NG1)	Encodes a PPR	1_23227384	4.06	promoter
AT4G15800	RALF-LIKE 33 (RALFL33)	Member of a div	4_8984805	4.06	promoter
AT1G61380	S-DOMAIN-1 29 (SD1-29)	S-domain-1 29	1_22649809	4.06	promoter
AT3G61860	ARGININE/SERINE-RICH SPLICING FAC	encodes an arg	3_22902456	4.05	promoter
AT5G53400	BOBBER1 (BOB1)	Encodes BOBB	5_21661326	4.05	promoter
AT3G27530	GOLGIN CANDIDATE 6 (GC6)	This gene is pre	3_10200089	4.05	promoter
AT5G22880	HISTONE B2 (HTB2)	Encodes a histc	5_7652803	4.05	promoter
AT1G64760	HYPERSENSITIVE TO EXCESS BORON	O-Glycosyl hydr	1_24056462	4.05	promoter
AT2G32210	na	unknown protei	2_13677976	4.05	promoter
AT2G32220	na	Ribosomal L27ε	2_13677976	4.05	proximal promoter
AT1G52910	na	Protein of unknc	1_19708078	4.05	five_prime_UTR
AT1G52905	na	unknown protei	1_19708078	4.05	intergenic
AT1G14160	na	Uncharacterise	1_4842412	4.05	proximal promoter
AT1G22480	na	Cupredoxin sup	1_7934093	4.05	downstream
AT1G26850	na	S-adenosyl-L-m	1_9304638	4.05	promoter
AT2G15060	na	transposable el	2_6523786	4.05	intergenic
AT1G22470	na	unknown protei	1_7934093	4.05	proximal promoter
AT2G41810	na	FUNCTIONS IN	2_17439537	4.05	exon
AT3G26670	na	Protein of unknc	3_9801160	4.05	intron
AT5G10020	na	Leucine-rich rec	5_3132395	4.05	proximal promoter
AT1G80460	NONHOST RESISTANCE TO P. S. PHAS	Encodes a prot	1_30250493	4.05	proximal promoter
AT1G48635	PEROXIN 3 (PEX3)	peroxin 3 (PEX	1_17983592	4.05	promoter
AT3G46780	PLASTID TRANSCRIPTIONALLY ACTIVE	plastid transcri	3_17228563	4.05	promoter
AT2G32230	PROTEINACEOUS RNASE P 1 (PRORP1	RNase P able tr	2_13677976	4.05	intergenic
AT1G48630	RECEPTOR FOR ACTIVATED C KINASE	Encodes a prot	1_17983592	4.05	promoter
AT4G04900	ROP-INTERACTIVE CRIB MOTIF-CONTA	encodes a mem	4_2485358	4.05	intergenic
AT1G67265	ROTUNDIFOLIA LIKE 21 (RTFL21)	ROTUNDIFOLIA	1_25176441	4.05	promoter
AT3G26680	SENSITIVE TO NITROGEN MUSTARD 1	involved in a SN	3_9801160	4.05	promoter
AT1G68720	TRNA ARGININE ADENOSINE DEAMINA	Encodes the ch	1_25803513	4.05	proximal promoter
AT1G55190	(PRA7)	PRA7; INVOLVI	1_20588012	4.04	promoter
AT3G16170	ACYL ACTIVATING ENZYME 13 (AAE13)	AMP-dependen	3_5475927	4.04	promoter
AT1G29690	CONSTITUTIVELY ACTIVATED CELL DE	Encodes a prot	1_10382102	4.04	five_prime_UTR
AT5G16820	HEAT SHOCK FACTOR 3 (HSF3)	Encodes a puta	5_5530136	4.04	promoter
AT1G79480	na	Carbohydrate-b	1_29898405	4.04	exon
AT2G04250	na	pseudogene, hy	2_1467491	4.04	intergenic
AT1G05135	na	pseudogene of	1_1477690	4.04	intron
AT1G77750	na	Ribosomal prote	1_29232133	4.04	proximal promoter
AT3G07790	na	DGCR14-relate	3_2487250	4.04	promoter
AT3G24480	na	Leucine-rich re	3_8904570	4.04	proximal promoter
AT4G02540	na	Cysteine/Histidi	4_1117091	4.04	promoter
AT5G51795	na	DNA/RNA-bind	5_21044842	4.04	proximal promoter
AT5G16810	na	Protein kinase	5_5530136	4.04	promoter
AT5G41890	na	GDLS-like Lipas	5_16767035	4.04	promoter
AT3G07780	OBERON1 (OBE1)	Encodes a nucl	3_2487250	4.04	downstream
AT3G29370	P1R3 (P1R3)	Encodes a atyp	3_11277871	4.04	proximal promoter
AT5G05590	PHOSPHORIBOSYLANTHRANILATE ISO	Encodes phosp	5_1669335	4.04	proximal promoter
AT1G52290	PROLINE-RICH EXTENSIN-LIKE RECEP	Encodes a mem	1_19472461	4.04	promoter
AT2G26580	YABBY5 (YAB5)	YABBY5 (YAB5	2_11309701	4.04	proximal promoter
AT4G14720	(PPD2)	PPD2 (and its p	4_8435059	4.03	five_prime_UTR
AT5G13790	AGAMOUS-LIKE 15 (AGL15)	AGL15 (AGAM	5_4448736	4.03	intergenic
AT5G52060	BCL-2-ASSOCIATED ATHANOGENE 1 (E	A member of Ar	5_21151955	4.03	intergenic
AT3G55610	DELTA 1-PYRROLINE-5-CARBOXYLATE	encodes delta	1_3_20630172	4.03	proximal promoter
AT4G08500	MAPK/ERK KINASE KINASE 1 (MEKK1)	Encodes a mem	4_5407296	4.03	five_prime_UTR
AT4G36925	na	unknown protei	4_17406279	4.03	intergenic
AT2G42170	na	Actin family prot	2_17577673	4.03	promoter
AT3G16780	na	Ribosomal prote	3_5708752	4.03	promoter
AT5G13780	na	Acyl-CoA N-acy	5_4448736	4.03	promoter
AT2G27450	NITRILASE-LIKE PROTEIN 1 (NLP1)	Encodes N-cart	2_11739685	4.03	five_prime_UTR
AT2G30140	UDP-GLUCOSYL TRANSFERASE 87A2 (	Encodes a puta	2_12871823	4.03	promoter
AT2G15090	3-KETOACYL-COA SYNTHASE 8 (KCS8)	Encodes KCS8,	2_6539911	4.02	proximal promoter
AT1G54060	6B-INTERACTING PROTEIN 1-LIKE 1 (A	Member of the t	1_20180751	4.02	five_prime_UTR
AT1G70410	BETA CARBONIC ANHYDRASE 4 (BCA4	Encodes a puta	1_26537168	4.02	intron
AT5G63450	CYTOCHROME P450, FAMILY 94, SUBF	member of CYP	5_25412172	4.02	proximal promoter
AT3G02600	LIPID PHOSPHATE PHOSPHATASE 3 (L	Encodes phosp	3_550632	4.02	promoter
AT5G65970	MILDEW RESISTANCE LOCUS O 10 (ML	A member of a	1_5_26390472	4.02	promoter
AT3G03790	na	ankyrin repeat	f:3_961860	4.02	promoter
AT3G24480	na	Leucine-rich re	3_8900575	4.02	intergenic
AT3G02590	na	Fatty acid hydr	3_550632	4.02	downstream
AT1G03820	na	unknown protei	1_961895	4.02	proximal promoter
AT1G21560	na	unknown protei	1_7554512	4.02	promoter
AT2G36980	na	Tetrapeptide	2_15530257	4.02	proximal promoter
AT2G46040	na	ARID/BRIGHT	1_2_18938150	4.02	intron
AT1G54050	na	HSP20-like chaj	1_20180751	4.02	promoter
AT2G36970	na	UDP-Glycosyltr	2_15530257	4.02	exon
AT2G42420	na	pre-tRNA; tRNA	2_17659423	4.02	proximal promoter

AT3G57730	na	Protein kinase s	3_21391619	4.02	promoter
AT4G35250	na	NAD(P)-binding	4_16773364	4.02	promoter
AT5G03970	na	F-box associate	5_1073565	4.02	promoter
AT5G57035	na	U-box domain-c	5_23080658	4.02	promoter
AT5G39860	PACLOBUTRAZOL RESISTANCE1 (PRE	Encodes PRE1	5_15955478	4.02	proximal promoter
AT1G59820	AMINOPHOSPHOLIPID ATPASE 3 (ALA3	Encodes a phos	1_22011159	4.01	promoter
AT4G31590	CELLULOSE-SYNTHASE-LIKE C5 (CSLC	encodes a gene	4_15312862	4.01	promoter
AT3G25690	CHLOROPLAST UNUSUAL POSITIONING	actin binding pr	3_9353711	4.01	intron
AT1G56280	DROUGHT-INDUCED 19 (DI19)	Encodes a gene	1_21075057	4.01	promoter
AT1G03970	G-BOX BINDING FACTOR 4 (GBF4)	encodes a basic	1_1018042	4.01	promoter
AT1G15080	LIPID PHOSPHATE PHOSPHATASE 2 (LI	Encodes phosph	1_5189815	4.01	downstream
AT2G37380	MEMBRANE-ASSOCIATED KINASE REG	Encodes a merr	2_15685318	4.01	proximal promoter
AT1G02228	na	pseudogene of	1_434282	4.01	promoter
AT1G32410	na	Vacuolar protei	1_11693711	4.01	promoter
AT3G48380	na	Peptidase C78,	3_17920378	4.01	downstream
AT3G48390	na	MA3 domain-co	3_17920378	4.01	promoter
AT4G17080	na	Histone H3 K4- γ	4_9600085	4.01	proximal promoter
AT1G03960	na	Calcium-binding	1_1018042	4.01	downstream
AT1G14330	na	Galactose oxid	1_4894883	4.01	proximal promoter
AT3G06778	na	Chaperone Dna	3_2140770	4.01	intron
AT1G15090	na	pre-tRNA; tRNA	1_5189815	4.01	promoter
AT2G35820	na	ureidoglycolate	2_15051909	4.01	intron
AT2G35830	na	unknown protei	2_15051909	4.01	promoter
AT3G20650	na	mRNA capping	3_7224155	4.01	promoter
AT3G20655	na	pre-tRNA; tRNA	3_7224155	4.01	downstream
AT3G60510	na	ATP-dependent	3_22360225	4.01	promoter
AT4G05040	na	ankyrin repeat	f. 4_2578476	4.01	promoter
AT4G05400	na	copper ion bindi	4_2741054	4.01	promoter
AT5G65990	na	Transmembran	5_26394523	4.01	promoter
AT5G66480	na	unknown protei	5_26547126	4.01	promoter
AT5G66490	na	unknown protei	5_26547126	4.01	downstream
AT5G66500	na	Tetratricopeptid	5_26547126	4.01	intergenic
AT3G23590	REF4-RELATED 1 (RFR1)	Encodes a prot	3_8467507	4.01	five_prime_UTR
AT3G61440	CYSTEINE SYNTHASE C1 (CYSC1)	Encodes a cyst	3_22735661	4	promoter
AT1G27980	DIHYDROSPHINGOSINE PHOSPHATE L	dihydrosphingo	1_9748151	4	proximal promoter
AT1G19180	JASMONATE-ZIM-DOMAIN PROTEIN 1 (	JAZ1 is a nucle	1_6621959	4	promoter
AT2G43240	na	Nucleotide-sug	2_17976064	4	promoter
AT3G17640	na	Leucine-rich re	3_6033821	4	intergenic
AT3G49810	na	ARM repeat sup	3_18476974	4	promoter
AT4G28430	na	Reticulon family	4_14059930	4	downstream
AT4G28440	na	Nucleic acid-bin	4_14059930	4	promoter
AT3G16840	na	P-loop containi	3_5743265	4	promoter
AT1G19430	na	S-adenosyl-L-m	1_6728032	4	five_prime_UTR
AT1G73740	na	UDP-Glycosyltr	1_27733987	4	promoter
AT3G27250	na	unknown protei	3_10063068	4	intergenic
AT3G43670	na	Copper amine c	3_15567582	4	intron
AT3G61105	na	pre-tRNA; tRNA	3_22611522	4	downstream
AT4G23870	na	unknown protei	4_12416516	4	intergenic
AT4G23880	na	unknown protei	4_12416516	4	promoter
AT4G26675	na	pre-tRNA; tRNA	4_13454530	4	promoter
AT4G27480	na	Core-2/l-branch	4_13739135	4	promoter
AT1G27970	NUCLEAR TRANSPORT FACTOR 2B (NT	Encodes an ort	1_9748151	4	intron
AT3G61430	PLASMA MEMBRANE INTRINSIC PROTE	a member of the	3_22735661	4	intergenic
AT3G06300	PROLYL 4-HYDROXYLASE 2 (P4H2)	Encodes a proly	3_1907531	4	promoter
AT1G20090	RHO-RELATED PROTEIN FROM PLANT;	Member of the f	1_6965861	4	proximal promoter
AT3G61110	RIBOSOMAL PROTEIN S27 (RS27A)	Arabidopsis rib	3_22611522	4	promoter
AT1G47490	RNA-BINDING PROTEIN 47C (RBP47C)	RNA-binding pr	1_17424629	4	promoter
AT1G73805	SAR DEFICIENT 1 (SARD1)	Encodes SAR C	1_27749463	4	promoter
AT1G34210	SOMATIC EMBRYOGENESIS RECEPTO	Plasma membr	1_12458687	4	five_prime_UTR
AT1G08470	STRICTOSIDINE SYNTHASE-LIKE 3 (SSI	Although this er	1_2681090	4	intergenic
AT5G60120	TARGET OF EARLY ACTIVATION TAGG1	target of early	5_24205547	4	proximal promoter
AT3G06290	YEAST SAC3 HOMOLOG B (SAC3B)	SAC3/GANP/Ni	3_1907531	4	promoter
AT3G17650	YELLOW STRIPE LIKE 5 (YSL5)	Arabidopsis th	3_6033821	4	promoter
AT2G28560	(RAD51B)	Encodes a prot	2_12234322	3.99	intergenic
AT4G36880	CYSTEINE PROTEINASE 1 (CP1)	cysteine protein	4_17378877	3.99	proximal promoter
AT2G32720	CYTOCHROME B5 ISOFORM B (CB5-B)	member of Cyto	2_13875954	3.99	intergenic
AT2G23180	CYTOCHROME P450, FAMILY 96, SUBF	member of CYP	2_9874785	3.99	promoter
AT4G36890	IRREGULAR XYLEM 14 (IRX14)	The IRX14 gene	4_17378877	3.99	intergenic
AT3G06110	MAPK PHOSPHATASE 2 (MKP2)	Encodes a nucl	3_1842071	3.99	proximal promoter
AT3G06490	MYB DOMAIN PROTEIN 108 (MYB108)	putative transcr	3_2007772	3.99	intergenic
AT3G59490	na	unknown protei	3_21986469	3.99	promoter
AT3G59500	na	Integral membra	3_21986469	3.99	promoter
AT4G29090	na	Ribonuclease H	4_14333301	3.99	promoter
AT5G03660	na	Family of unkno	5_942398	3.99	intergenic
AT5G26960	na	Galactose oxid	5_9484914	3.99	exon
AT3G28040	na	Leucine-rich rec	3_10433980	3.99	proximal promoter
AT5G47550	na	Cystatin/monelli	5_19286340	3.99	downstream
AT1G26580	na	FUNCTIONS IN	1_9184532	3.99	promoter
AT2G32710	na	Kip-related prot	2_13875954	3.99	downstream
AT1G26940	na	Cyclophilin-like	1_9344927	3.99	intron
AT3G06105	na	pre-tRNA; tRNA	3_1842071	3.99	intergenic
AT3G18952	na	pre-tRNA; tRNA	3_6540857	3.99	downstream
AT3G53965	na	pre-tRNA; tRNA	3_19985016	3.99	downstream
AT5G24650	na	Mitochondrial ir	5_8437511	3.99	exon
AT3G06100	NOD26-LIKE INTRINSIC PROTEIN 7;1 (N	Encodes NIP7;1	3_1842071	3.99	exon
AT2G42500	PROTEIN PHOSPHATASE 2A-3 (PP2A-3)	Encodes one of	2_17701484	3.99	promoter
AT3G55000	TONNEAU 1A (TON1A)	Encodes a prot	3_20380179	3.99	proximal promoter
AT5G47560	TONOPLAST DICARBOXYLATE TRANSF	Encodes a tono	5_19286340	3.99	intergenic
AT1G26570	UDP-GLUCOSE DEHYDROGENASE 1 (L	UDP-glucose de	1_9184532	3.99	downstream
AT5G47110	(LIL3.2)	Chlorophyll A-B	5_19133817	3.98	downstream
AT5G27350	(SFP1)	Encodes a sug	5_9646057	3.98	proximal promoter
AT5G40840	(SYN2)	Cohesion family	5_16364654	3.98	proximal promoter
AT4G23810	(WRKY53)	member of WRI	4_12396486	3.98	proximal promoter
AT5G48880	3-KETO-ACYL-COENZYME A THIOLEASE	Encodes a pero	5_19817317	3.98	intron

AT2G41560	AUTOINHIBITED CA(2+)-ATPASE, ISOFC	Encodes a calr 2_17337326	3.98	promoter
AT5G52060	BCL-2-ASSOCIATED ATHANOGENE 1 (E A member of Ar 5_21154968		3.98	proximal promoter
AT1G44446	CHLORINA 1 (CH1)	Encodes chloro 1_16851348	3.98	promoter
AT3G47060	FTSH PROTEASE 7 (ftsh7)	encodes an Ftsi 3_17332787	3.98	promoter
AT2G45050	GATA TRANSCRIPTION FACTOR 2 (GAT1)	Encodes a merr 2_18582867	3.98	promoter
AT1G15380	GLYOXYLASE 1 4 (GLY14)	Lactoylglutathio 1_5290177	3.98	proximal promoter
AT5G63715	MICRORNA166G (MIR166G)	Encodes a micr 5_25503457	3.98	proximal promoter
AT1G52347	na	Unknown gene 1_19496385	3.98	promoter
AT4G37880	na	LisH/CRA/RING 4_17809610	3.98	promoter
AT5G66800	na	unknown proteir 5_26672855	3.98	intergenic
AT5G66810	na	CONTAINS Inte 5_26672855	3.98	promoter
AT3G26580	na	Tetratricopeptid 3_9758777	3.98	promoter
AT3G48275	na	pre-tRNA; tRNA 3_17894146	3.98	promoter
AT5G59395	na	pre-tRNA; tRNA 5_23957603	3.98	downstream
AT5G59400	na	FUNCTIONS IN 5_23957603	3.98	promoter
AT1G11390	na	Protein kinase s 1_3837670	3.98	promoter
AT2G43560	na	FKBP-like pepti 2_18075609	3.98	promoter
AT1G12500	na	Nucleotide-suq 1_4265267	3.98	promoter
AT1G45160	na	Protein kinase s 1_17091014	3.98	promoter
AT1G45163	na	unknown proteir 1_17091014	3.98	exon
AT1G45165	na	Expressed prote 1_17091014	3.98	exon
AT1G72570	na	Integrase-type I 1_27332856	3.98	intron
AT1G14580	na	C2H2-like zinc f 1_4994611	3.98	intergenic
AT3G02390	na	unknown proteir 3_488895	3.98	exon
AT3G02400	na	SMAD/FHA don 3_488895	3.98	proximal promoter
AT2G31370	na	Basic-leucine zi 2_13378952	3.98	intron
AT4G23820	na	Pectin lyase-like 4_12396486	3.98	intergenic
AT4G40011	na	unknown proteir 4_1852454	3.98	proximal promoter
AT5G01910	na	unknown proteir 5_359073	3.98	promoter
AT4G28080	na	Tetratricopeptid 4_13958135	3.98	promoter
AT4G31650	na	Transcriptional I 4_15329947	3.98	proximal promoter
AT5G40348	na	Potential natura 5_16136387	3.98	promoter
AT5G56840	na	myb-like transcr 5_22983943	3.98	intergenic
AT1G11400	PARTNER OF Y14-MAGO (PYM)	The PYM gene 1_3837670	3.98	promoter
AT3G26570	PHOSPHATE TRANSPORTER 2;1 (PHT2)	low affinity phos 3_9758777	3.98	downstream
AT5G01920	STATE TRANSITION 8 (STN8)	Chloroplast thyl: 5_359073	3.98	promoter
AT1G74020	STRICTOSIDINE SYNTHASE 2 (SS2)	Encodes AtSS-1_27838290	3.98	proximal promoter
AT1G53320	TUBBY LIKE PROTEIN 7 (TLP7)	Member of TLP 1_19893551	3.98	promoter
AT1G78100	AUXIN UP-REGULATED F-BOX PROTEIN 11 (AUX1)	F-box family prc 1_29385829	3.97	proximal promoter
AT1G18400	BR ENHANCED EXPRESSION 1 (BEE1)	BR enhanced e: 1_6333583	3.97	three_prime_UTR
AT5G50380	EXOCYST SUBUNIT EXO70 FAMILY PRC A member of Ex 5_20519050		3.97	promoter
AT1G54030	MODIFIED VACUOLE PHENOTYPE 1 (MVP1)	Encodes a vac. 1_20167729	3.97	exon
AT1G63240	na	unknown proteir 1_23458670	3.97	promoter
AT3G60410	na	Protein of unknt 3_22331405	3.97	promoter
AT3G60400	na	Mitochondrial tr: 3_22331405	3.97	intergenic
AT1G51170	na	Protein kinase s 1_18953738	3.97	exon
AT1G55430	na	Cysteine/Histidi 1_20698000	3.97	exon
AT2G01820	na	Leucine-rich rep 2_360903	3.97	promoter
AT3G17450	na	hAT dimerisatio 3_5976125	3.97	promoter
AT4G27585	na	SPFH/Band 7/P 4_13769999	3.97	promoter
AT4G38825	na	SAUR-like auxir 4_18121233	3.97	promoter
AT5G11250	na	Disease resistai 5_3592077	3.97	promoter
AT2G35010	THIOREDOXIN O1 (TO1)	thioredoxin O1 (2_14754216	3.97	promoter
AT4G00180	YABBY3 (YAB3)	YABBY gene fai 4_75404	3.97	promoter
AT1G19920	(APS2)	encodes a chlor 1_6916854	3.96	promoter
AT1G63680	(MURE)	Encodes AtMuri 1_23618183	3.96	intergenic
AT4G09030	ARABINO GALACTAN PROTEIN 10 (AGP10)	Encodes arabin 4_5793278	3.96	intergenic
AT2G46950	CYTOCHROME P450, FAMILY 709, SUBFAMILY 1 (CYP709A1)	member of CYP 2_19289337	3.96	three_prime_UTR
AT3G21270	DOF ZINC FINGER PROTEIN 2 (DOF2)	Encodes Dof zir 3_7473165	3.96	proximal promoter
AT2G20000	HOBBIT (HBT)	Required for cel 2_8637072	3.96	five_prime_UTR
AT1G52990	na	thioredoxin fami 1_19740889	3.96	intron
AT2G46940	na	unknown proteir 2_19289337	3.96	proximal promoter
AT1G24530	na	Transducin/WD 1_8694352	3.96	exon
AT1G33260	na	Protein kinase s 1_12064259	3.96	promoter
AT1G55205	na	unknown proteir 1_20593635	3.96	proximal promoter
AT2G37650	na	GRAS family tra 2_15792510	3.96	promoter
AT1G32470	na	Single hybrid m: 1_11740362	3.96	promoter
AT1G80930	na	MIF4G domain- 1_30409864	3.96	promoter
AT3G11780	na	MD-2-related lip 3_3725762	3.96	promoter
AT2G32560	na	F-box family prc 2_13824482	3.96	promoter
AT4G20960	na	encodes diamin 4_11211832	3.96	promoter
AT4G39790	na	Protein of unknt 4_18462091	3.96	downstream
AT5G06260	na	TLD-domain coi 5_1901812	3.96	intergenic
AT2G01290	RIBOSE-5-PHOSPHATE ISOMERASE 2 (RIB5P2)	Cytosolic ribose 2_150435	3.96	promoter
AT1G63690	SIGNAL PEPTIDE PEPTIDASE-LIKE 2 (SIPEP2)	SIGNAL PEPTII 1_23618183	3.96	promoter
AT2G46030	UBIQUITIN-CONJUGATING ENZYME 6 (UBC6)	Ubiquitin conjuc 2_18934324	3.96	proximal promoter
AT4G13260	YUCCA2 (YUC2)	Encodes YUC2. 4_7717613	3.96	intergenic
AT1G36160	ACETYL-COA CARBOXYLASE 1 (ACC1)	Encodes acetyl- 1_13533382	3.95	promoter
AT5G05690	CONSTITUTIVE PHOTOMORPHOGENIC 1 (COP1)	Encodes a merr 5_1704951	3.95	intron
AT1G30610	EMBRYO DEFECTIVE 2279 (emb2279)	Mutations in this 1_10846450	3.95	promoter
AT5G28490	LIGHT-DEPENDENT SHORT HYPOCOTYLED 1 (LSD1)	Encodes a nucl 5_10452141	3.95	intergenic
AT2G28500	LOB DOMAIN-CONTAINING PROTEIN 11 (LOB11)	LOB domain-co 2_12185932	3.95	intergenic
AT5G57880	MULTIPOLAR SPINDLE 1 (MPS1)	Encodes MULT 5_23446710	3.95	intron
AT1G49610	na	F-box family prc 1_18364735	3.95	proximal promoter
AT1G34630	na	BEST Arabidop: 1_12685148	3.95	promoter
AT5G10070	na	RNase L inhibit 5_3150527	3.95	promoter
AT1G09980	na	Putative serine 1_3261799	3.95	promoter
AT5G57887	na	unknown proteir 5_23446710	3.95	promoter
AT5G57890	na	Glutamine amid 5_23446710	3.95	intergenic
AT1G56240	PHLOEM PROTEIN 2-B13 (PP2-B13)	phloem protein : 1_21058980	3.95	proximal promoter
AT1G67740	PHOTOSYSTEM II BY (PSBY)	PsbY precursor 1_25395149	3.95	five_prime_UTR
AT4G17230	SCARECROW-LIKE 13 (SCL13)	Encodes a scar 4_9663806	3.95	promoter
AT4G24190	SHEPHERD (SHD)	encodes an orth 4_12556115	3.95	promoter
AT5G15330	SPX DOMAIN GENE 4 (SPX4)	SPX domain ge 5_4979406	3.95	proximal promoter

AT5G16620	TRANSLOCON AT THE INNER ENVELOPE	chloroplast prot 5_5450586	3.95	promoter
AT3G54826	ZINC RIBBON 3 (ZR3)	Zim17-type zinc 3_20310273	3.95	promoter
AT2G04030	(CR88)	Encodes a chl 2_1281772	3.94	promoter
AT3G10650	(NUP1)	Encodes a nucl 3_3325191	3.94	three_prime_UTR
AT5G16630	(RAD4)	RAD4; FUNCTI 5_5459831	3.94	downstream
AT3G10640	(VPS60.1)	VPS60.1; CON 3_3325191	3.94	promoter
AT4G34490	CYCLASE ASSOCIATED PROTEIN 1 (CA	CYCLASE ASS 4_16487524	3.94	promoter
AT5G01040	LACCASE 8 (LAC8)	putative laccase 5_15151	3.94	intron
AT3G53130	LUTEIN DEFICIENT 1 (LUT1)	Lutein-deficient 3_19696647	3.94	three_prime_UTR
AT5G22830	MAGNESIUM (MG) TRANSPORTER 10 (I	Transmembran 5_7630799	3.94	three_prime_UTR
AT3G27920	MYB DOMAIN PROTEIN 0 (MYB0)	Encodes a Myb 3_10360943	3.94	intergenic
AT3G53140	na	O-methyltransf 3_19696647	3.94	three_prime_UTR
AT1G78450	na	SOUL heme-bir 1_29516206	3.94	intergenic
AT4G34500	na	Protein kinase s 4_16487524	3.94	downstream
AT5G59010	na	Protein kinase f 5_23826665	3.94	intergenic
AT5G21020	na	unknown proteir 5_7139468	3.94	intron
AT5G24970	na	Protein kinase s 5_8608920	3.94	promoter
AT5G24980	na	unknown proteir 5_8608920	3.94	promoter
AT1G61260	na	Protein of unknc 1_22597059	3.94	proximal promoter
AT4G20830	na	FAD-binding Be 4_11155444	3.94	promoter
AT4G20840	na	FAD-binding Be 4_11155444	3.94	proximal promoter
AT2G13300	na	transposable elk 2_5522731	3.94	proximal promoter
AT3G10120	na	unknown proteir 3_3128718	3.94	proximal promoter
AT3G60647	na	unknown proteir 3_22419192	3.94	promoter
AT5G16640	na	Pentatricopeptid 5_5459831	3.94	proximal promoter
AT5G22840	na	Protein kinase s 5_7630799	3.94	three_prime_UTR
AT1G60790	TRICHOME BIREFRINGENCE-LIKE 2 (TE	Encodes a merr 1_22382742	3.94	promoter
AT2G42260	UV-B-INSENSITIVE 4 (UVI4)	Encodes a nove 2_17603806	3.94	promoter
AT1G19730	(ATRX4)	encodes a cytos 1_6824146	3.93	promoter
AT4G26640	(WRKY20)	member of WRI 4_13442031	3.93	proximal promoter
AT3G47730	ATP-BINDING CASSETTE A2 (ABCA2)	member of ATH 3_17598992	3.93	promoter
AT5G15530	BIOTIN CARBOXYL CARRIER PROTEIN	biotin carboxyl c 5_5047092	3.93	intergenic
AT5G49730	FERRIC REDUCTION OXIDASE 6 (FRO6	Encodes a plasi 5_20204713	3.93	promoter
AT5G61850	LEAFY (LFY)	Encodes trans 5_24845643	3.93	intron
AT2G45450	LITTLE ZIPPER 1 (ZPR1)	ZPR1, a small l 2_18735786	3.93	proximal promoter
AT3G48810	na	Pentatricopeptid 3_18096915	3.93	promoter
AT1G19740	na	ATP-dependent 1_6824146	3.93	promoter
AT1G75590	na	SAUR-like auxir 1_28387214	3.93	intergenic
AT2G01820	na	Leucine-rich rep 2_362292	3.93	proximal promoter
AT2G36410	na	Family of unkno 2_15282321	3.93	intergenic
AT4G22580	na	Exostosin family 4_11890888	3.93	promoter
AT4G38860	na	SAUR-like auxir 4_18131693	3.93	intergenic
AT1G75040	PATHOGENESIS-RELATED GENE 5 (PR	Thaumatolike 1_28176723	3.93	proximal promoter
AT5G07250	RHOMBOID-LIKE PROTEIN 3 (RBL3)	RHOMBOID-like 5_2276073	3.93	promoter
AT1G59650	(CW14)	Encodes CW14 1_21915662	3.92	intergenic
AT4G30080	AUXIN RESPONSE FACTOR 16 (ARF16)	Involved in root 4_14707885	3.92	proximal promoter
AT3G58170	BET1P/SFT1P-LIKE PROTEIN 14A (BS14	Encodes a Bet1 3_21543999	3.92	promoter
AT2G36830	GAMMA TONOPLAST INTRINSIC PROTE	Encodes a tono 2_15445217	3.92	promoter
AT2G16640	MULTIMERIC TRANSLOCON COMPLEX	multimeric trans 2_7215648	3.92	promoter
AT2G19660	na	Cysteine/Histidi 2_8498890	3.92	promoter
AT4G30090	na	FUNCTIONS IN 4_14707885	3.92	intergenic
AT5G64735	na	pre-tRNA; tRNA 5_25875385	3.92	downstream
AT5G66270	na	Zinc finger C-x8 5_26475904	3.92	promoter
AT1G68450	PIGMENT DEFECTIVE 337 (PDE337)	VQ motif-contai 1_25663978	3.92	proximal promoter
AT2G16650	PROTEINACEOUS RNASE P 2 (PRORP2	Encodes a prote 2_7215648	3.92	downstream
AT3G62030	ROTAMASE CYP 4 (ROC4)	nuclear-encode 3_22973549	3.92	intron
AT1G64720	(CP5)	membrane relat 1_24048728	3.91	promoter
AT1G31812	ACYL-COA-BINDING PROTEIN 6 (ACBP6	Acyl-CoA-bindir 1_11412241	3.91	promoter
AT3G05380	ALWAYS EARLY 2 (ALY2)	ALWAYS EARLY 3_1538878	3.91	proximal promoter
AT3G04080	APYRASE 1 (APY1)	Encodes an enz 3_1071879	3.91	proximal promoter
AT5G42380	CALMODULIN LIKE 37 (CML37)	calmodulin like 5_16943630	3.91	promoter
AT1G31814	FRIGIDA LIKE 2 (FRL2)	family member c 1_11412241	3.91	intergenic
AT5G62560	na	RING/U-box su 5_25111661	3.91	exon
AT1G06640	na	encodes a prote 1_2032253	3.91	promoter
AT5G38720	na	unknown proteir 5_15510714	3.91	promoter
AT5G38730	na	Tetatricopeptid 5_15510714	3.91	promoter
AT1G72190	na	D-isomer specif 1_27170067	3.91	promoter
AT1G72200	na	RING/U-box su 1_27170067	3.91	exon
AT1G09575	na	Protein of unknc 1_3103259	3.91	promoter
AT3G53740	na	Ribosomal prote 3_19915151	3.91	promoter
AT3G54830	na	Transmembran 3_20313669	3.91	intron
AT3G62110	na	Pectin lyase-like 3_22999759	3.91	five_prime_UTR
AT4G12690	na	Plant protein of 4_7480516	3.91	promoter
AT4G36860	na	LIM domain-cor 4_17365673	3.91	intergenic
AT5G40460	na	unknown proteir 5_16205782	3.91	intergenic
AT5G14440	na	Surfeit locus prc 5_4657999	3.91	promoter
AT5G12840	NUCLEAR FACTOR Y, SUBUNIT A1 (NF-	Encodes a subu 5_4053772	3.91	promoter
AT2G39290	PHOSPHATIDYLGLYCEROLPHOSPHATI	Encodes a phos 2_16407076	3.91	promoter
AT5G49510	PREFOLDIN 3 (PFD3)	prefoldin 3 (PFC 5_20080493	3.91	promoter
AT3G05370	RECEPTOR LIKE PROTEIN 31 (RLP31)	receptor like prc 3_1538878	3.91	promoter
AT3G04090	SMALL AND BASIC INTRINSIC PROTEIN	Belongs to a far 3_1071879	3.91	downstream
AT4G15415	(ATB' GAMMA)	B' regulatory su 4_8816911	3.9	promoter
AT1G27840	(ATCSA-1)	Encodes a DDE 1_9696571	3.9	promoter
AT2G14960	(GH3.1)	encodes a prote 2_6454586	3.9	proximal promoter
AT1G80050	ADENINE PHOSPHORIBOSYL TRANSFER	Encodes an ade 1_30111315	3.9	downstream
AT1G32150	BASIC REGION/LEUCINE ZIPPER TRAN	Encodes a G or 1_11568620	3.9	downstream
AT1G62540	FLAVIN-MONOOXYGENASE GLUCOSIN	belongs to the fl 1_23150310	3.9	proximal promoter
AT1G31320	LOB DOMAIN-CONTAINING PROTEIN 4	LOB domain-co 1_11212861	3.9	promoter
AT5G47040	LON PROTEASE 2 (LON2)	Encodes a merr 5_19101033	3.9	proximal promoter
AT5G52890	na	AT hook motif-c 5_21449965	3.9	proximal promoter
AT2G44735	na	BEST Arabidop: 2_18438834	3.9	exon
AT1G67340	na	HCP-like super 1_25225523	3.9	intergenic
AT3G09620	na	P-loop containir 3_2952561	3.9	promoter
AT2G21960	na	unknown proteir 2_9354814	3.9	promoter

AT1G21080	na	DNAJ heat shock	1_7382486	3.9	intron
AT1G80040	na	FUNCTIONS IN	1_30111315	3.9	promoter
AT3G28200	na	Peroxidase sup	3_10516820	3.9	proximal promoter
AT3G11580	na	AP2/B3-like trar	3_3655836	3.9	intergenic
AT4G20430	na	Subtilase family	4_11021448	3.9	promoter
AT1G32160	na	Protein of unkn	1_11568620	3.9	promoter
AT1G74570	na	pre-tRNA; tRNA	1_28020290	3.9	downstream
AT3G18773	na	RING/U-box su	3_6466119	3.9	five_prime_UTR
AT3G53990	na	Adenine nucleot	3_19992894	3.9	proximal promoter
AT4G32470	na	Cytochrome bd	4_15671304	3.9	promoter
AT4G32475	na	pre-tRNA; tRNA	4_15671304	3.9	promoter
AT5G17070	na	CONTAINS Inte	5_5616212	3.9	promoter
AT4G15410	SERINE/THREONINE PROTEIN PHOSPH	serine/threonine	4_8816911	3.9	downstream
AT2G21950	SKP1 INTERACTING PARTNER 6 (SKIP6	Encodes an SK	2_9354814	3.9	promoter
AT1G30210	TEOSINTE BRANCHED 1, CYCLOIDEA, /	TCP family prot	1_10630640	3.9	promoter
AT2G36420	TON1 RECRUITING MOTIF 27 (TRM27)	unknown protei	2_15284242	3.9	proximal promoter
AT3G02870	(VTC4)	Encodes a L-ga	3_630011	3.89	promoter
AT1G60270	BETA GLUCOSIDASE 6 (BGLU6)	beta glucosidas	1_22225683	3.89	proximal promoter
AT4G26100	CASEIN KINASE 1 (CK1)	Encodes a mem	4_13230832	3.89	promoter
AT2G42540	COLD-REGULATED 15A (COR15A)	A cold-regulate	2_17712373	3.89	promoter
AT1G26770	EXPANSIN A10 (EXPA10)	Encodes an exp	1_9259357	3.89	promoter
AT3G14720	MAP KINASE 19 (MPK19)	member of MAF	3_4945476	3.89	promoter
AT5G28145	na	transposable el	5_10128233	3.89	proximal promoter
AT2G46290	na	Transducin/WD	2_19008011	3.89	promoter
AT5G48610	na	unknown protei	5_19711493	3.89	promoter
AT5G36240	na	zinc knuckle (C	5_14280317	3.89	proximal promoter
AT3G03010	na	Peptidyl-tRNA	h_3_680750	3.89	promoter
AT3G03020	na	unknown protei	3_680750	3.89	promoter
AT3G49200	na	O-acyltransfera	3_18238469	3.89	proximal promoter
AT3G49210	na	O-acyltransfera	3_18238469	3.89	exon
AT3G61898	na	unknown protei	3_22923831	3.89	intergenic
AT4G38640	na	Plasma-membr	4_18062388	3.89	promoter
AT4G39780	na	encodes a mem	4_18460924	3.89	proximal promoter
AT5G38096	na	Pseudogene of	5_15201154	3.89	exon
AT4G37860	na	SPT2 chromatin	4_17802799	3.89	proximal promoter
AT5G38100	na	S-adenosyl-L-m	5_15201154	3.89	exon
AT5G52850	na	Pentatricopeptic	5_21418503	3.89	proximal promoter
AT5G59760	na	Protein of unkn	5_24075746	3.89	exon
AT4G37870	PHOSPHOENOLPYRUVATE CARBOXYK	Encodes a phos	4_17802799	3.89	three_prime_UTR
AT5G24470	PSEUDO-RESPONSE REGULATOR 5 (P	Encodes a pseu	5_8361124	3.89	proximal promoter
AT3G46590	TRF-LIKE 1 (TRFL1)	Encodes a prote	3_17151363	3.89	proximal promoter
AT5G42020	(BIP2)	Luminal binding	5_16810687	3.88	promoter
AT2G17520	(IRE1A)	Encodes a endc	2_7617143	3.88	promoter
AT3G14370	(WAG2)	The WAG2 and	3_4800089	3.88	proximal promoter
AT5G42030	ABL INTERACTOR-LIKE PROTEIN 4 (ABI	ABL interactor-l	5_16810687	3.88	intergenic
AT1G73680	ALPHA DIOXYGENASE (ALPHA DOX2)	Encodes an alp	1_27710117	3.88	proximal promoter
AT3G17700	CYCLIC NUCLEOTIDE-BINDING TRANSF	cyclic nucleotide	3_6048807	3.88	promoter
AT1G13950	EUKARYOTIC ELONGATION FACTOR 5/	Encodes eukary	1_4771472	3.88	proximal promoter
AT3G13810	INDETERMINATE(ID)-DOMAIN 11 (IDD11	indeterminate(I	3_4546257	3.88	intron
AT2G15050	LIPID TRANSFER PROTEIN (LTP)	Predicted to enc	2_6518833	3.88	promoter
AT5G65590	na	Dof-type zinc	fir_5_26215588	3.88	proximal promoter
AT1G17660	na	pre-tRNA; tRNA	1_6075900	3.88	downstream
AT1G17670	na	pre-tRNA; tRNA	1_6075900	3.88	downstream
AT1G78820	na	D-mannose bin	1_29635842	3.88	promoter
AT3G50230	na	Leucine-rich re	3_18620016	3.88	proximal promoter
AT4G18380	na	F-box family pr	4_10161077	3.88	intergenic
AT5G47590	na	Heat shock prot	5_19299264	3.88	promoter
AT5G39020	na	Malectin/recept	5_15616844	3.88	promoter
AT5G50995	na	pre-tRNA; tRNA	5_20741623	3.88	downstream
AT5G57280	ROOT INITIATION DEFECTIVE 2 (RID2)	Gene encodes	5_23204366	3.88	promoter
AT4G19640	(ARA7)	Encodes Ara7.	4_10689634	3.87	promoter
AT3G11020	DRE/CRT-BINDING PROTEIN 2B (DREB	encodes a mem	3_3455281	3.87	promoter
AT1G56200	EMBRYO DEFECTIVE 1303 (emb1303)	Encodes a chlo	1_21030725	3.87	promoter
AT4G35920	MID1-COMPLEMENTING ACTIVITY 1 (MC	Encodes an inte	4_17015311	3.87	promoter
AT1G02030	na	C2H2-like zinc	f_1_356908	3.87	five_prime_UTR
AT1G61400	na	S-locus lectin	pi_1_22658435	3.87	proximal promoter
AT1G61410	na	DNA double-str	1_22658435	3.87	downstream
AT2G05920	na	Subtilase family	2_2269524	3.87	three_prime_UTR
AT5G17190	na	FUNCTIONS IN	5_5652191	3.87	promoter
AT4G23895	na	Pleckstrin hom	4_12421515	3.87	proximal promoter
AT4G19645	na	TRAM, LAG1 ar	4_10689634	3.87	downstream
AT4G36850	na	PQ-loop repeat	4_17355879	3.87	five_prime_UTR
AT4G23890	NADH DEHYDROGENASE-LIKE COMPLI	unknown protei	4_12421515	3.87	promoter
AT2G20890	PHOTOSYSTEM II REACTION CENTER I	Chloroplast-loc	2_8987576	3.87	promoter
AT2G30070	POTASSIUM TRANSPORTER 1 (KT1)	Encodes a high	2_12834990	3.87	promoter
AT1G80670	RNA EXPORT FACTOR 1 (RAE1)	This gene is pre	1_30323872	3.87	promoter
AT2G28630	3-KETOACYL-COA SYNTHASE 12 (KCS1	Encodes KCS1;	2_12277436	3.86	promoter
AT3G61190	BON ASSOCIATION PROTEIN 1 (BAP1)	Encodes a prote	3_22652199	3.86	proximal promoter
AT5G20650	COPPER TRANSPORTER 5 (COPT5)	Encodes COPT	5_6986071	3.86	promoter
AT5G22640	EMBRYO DEFECTIVE 1211 (emb1211)	EMB1211 is a M	5_7528560	3.86	proximal promoter
AT3G13060	EVOLUTIONARILY CONSERVED C-TER	evolutionarily	cc_3_4184548	3.86	intergenic
AT1G65960	GLUTAMATE DECARBOXYLASE 2 (GAD	glutamate decar	1_24553237	3.86	intron
AT4G25840	GLYCEROL-3-PHOSPHATASE 1 (GPP1)	glycerol-3-phos	4_13138062	3.86	proximal promoter
AT3G57650	LYSOPHOSPHATIDYL ACYLTRANSFER	Encodes an enc	3_21349461	3.86	promoter
AT5G01340	MITOCHONDRIAL SUCCINATE-FUMARA	Mitochondrial	su_5_141816	3.86	intergenic
AT1G20370	na	Pseudouridine	epsilon_1_7054356	3.86	proximal promoter
AT1G55140	na	Ribonuclease	III_1_20574471	3.86	promoter
AT1G55152	na	unknown protei	1_20577596	3.86	three_prime_UTR
AT4G12980	na	Auxin-responsiv	4_7589964	3.86	intron
AT1G31300	na	TRAM, LAG1 ar	1_11197828	3.86	intergenic
AT1G31310	na	hydroxyproline-	1_11197828	3.86	intergenic
AT2G35750	na	unknown protei	2_15030454	3.86	promoter
AT3G01130	na	unknown protei	3_45881	3.86	promoter
AT3G07280	na	pseudogene of	3_2321533	3.86	promoter

AT3G13062	na	Polyketide cycl	3_4184548	3.86	promoter
AT2G26720	na	Cupredoxin sup	2_11386090	3.86	intergenic
AT3G15480	na	Protein of unkn	3_5227988	3.86	promoter
AT3G19235	na	pre-tRNA; tRNA	3_6664212	3.86	intergenic
AT3G19240	na	Vacuolar import	3_6664212	3.86	promoter
AT3G19250	na	Protein of unkn	3_6664212	3.86	intergenic
AT3G28480	na	Oxoglutarate/irc	3_10678368	3.86	five_prime_UTR
AT3G28695	na	pre-tRNA; tRNA	3_10759363	3.86	downstream
AT3G28700	na	Protein of unkn	3_10759363	3.86	promoter
AT3G48440	na	Zinc finger C-x8	3_17941195	3.86	promoter
AT5G01335	na	transposable el	5_141816	3.86	intergenic
AT5G20660	na	Zn-dependent e	5_6986071	3.86	promoter
AT5G40180	na	BEST Arabidop:	5_16067843	3.86	promoter
AT5G51300	na	splicing factor-ri	5_20853057	3.86	proximal promoter
AT5G51310	na	Mutants exhibit	5_20853057	3.86	exon
AT3G19050	PHRAGMOPLAST ORIENTING KINESIN	: PHRAGMOPLA	3_6577652	3.86	promoter
AT3G46830	RAB GTPASE HOMOLOG A2C (RABA2c)	RAB GTPase h	3_17248815	3.86	promoter
AT5G40170	RECEPTOR LIKE PROTEIN 54 (RLP54)	receptor like prc	5_16067843	3.86	promoter
AT3G48430	RELATIVE OF EARLY FLOWERING 6 (REL6)	Relative of Earl	3_17941195	3.86	intergenic
AT1G55150	RNA HELICASE 20 (RH20)	DEA(D/H)-box f	1_20574471	3.86	promoter
AT1G55150	RNA HELICASE 20 (RH20)	DEA(D/H)-box f	1_20577596	3.86	intergenic
AT2G37080	ROP INTERACTIVE PARTNER 3 (RIP3)	Encodes RIP3	(2_15586221	3.86	proximal promoter
AT5G21170	(AKINBETA1)	Encodes AKINb	5_7208584	3.85	downstream
AT1G20440	COLD-REGULATED 47 (COR47)	Belongs to the c	1_7085704	3.85	five_prime_UTR
AT1G63710	CYTOCHROME P450, FAMILY 86, SUBF	Encodes a mem	1_23633147	3.85	exon
AT1G10130	ENDOPLASMIC RETICULUM-TYPE CALC	Encodes a golg	1_3309928	3.85	proximal promoter
AT2G47520	ETHYLENE RESPONSE FACTOR 71 (ERF71)	encodes a mem	2_19502446	3.85	intergenic
AT1G13020	EUKARYOTIC INITIATION FACTOR 4B2	Encodes eIF4B	1_4443790	3.85	promoter
AT1G72500	na	LOCATED IN: p	1_27298695	3.85	promoter
AT3G16851	na	unknown protei	3_5753953	3.85	intergenic
AT1G20410	na	Pseudouridine s	1_7085704	3.85	intergenic
AT1G20420	na	pre-tRNA; tRNA	1_7085704	3.85	intergenic
AT1G20430	na	unknown protei	1_7085704	3.85	proximal promoter
AT2G18030	na	Peptide methior	2_7840053	3.85	promoter
AT4G12005	na	unknown protei	4_7196413	3.85	promoter
AT5G21222	na	protein kinase fi	5_7208584	3.85	promoter
AT2G19170	SUBTILISIN-LIKE SERINE PROTEASE 3	Encodes a nove	2_8318972	3.85	promoter
AT2G24570	WRKY DNA-BINDING PROTEIN 17 (WRK17)	member of WR1	2_10440621	3.85	proximal promoter
AT1G48260	CBL-INTERACTING PROTEIN KINASE 1	Encodes a mem	1_17816502	3.84	intron
AT2G28190	COPPER/ZINC SUPEROXIDE DISMUTASE	Encodes a chl	2_12017730	3.84	intergenic
AT1G51700	DOF ZINC FINGER PROTEIN 1 (DOF1)	Encodes dof zin	1_19171170	3.84	proximal promoter
AT5G09410	ETHYLENE INDUCED CALMODULIN BINDING	calmodulin-bind	5_2921210	3.84	intron
AT1G52520	FAR1-RELATED SEQUENCE 6 (FRS6)	FAR1-related sr	1_19565666	3.84	promoter
AT5G48030	GAMETOPHYTIC FACTOR 2 (GFA2)	encodes a mit	5_19469975	3.84	promoter
AT2G17540	na	unknown protei	2_7630127	3.84	intergenic
AT3G13190	na	Plant protein of	3_4240423	3.84	five_prime_UTR
AT3G49070	na	Protein of unkn	3_18193383	3.84	exon
AT5G63380	na	Encodes a pero	5_25390274	3.84	promoter
AT5G07340	na	Calreticulin fami	5_2317067	3.84	promoter
AT2G06025	na	Acy-CoA N-acy	2_2350124	3.84	intron
AT2G46290	na	Transducin/WD	2_19005615	3.84	downstream
AT3G25720	na	RNA-directed D	3_9381769	3.84	intergenic
AT4G17810	na	C2H2 and C2H	4_9905821	3.84	proximal promoter
AT5G09513	na	pseudogene of	1_5_2958327	3.84	promoter
AT1G77740	PHOSPHATIDYLINOSITOL-4-PHOSPHAT	Encodes PIP5K	1_29223355	3.84	intron
AT5G09520	PRO-GLU-LEUJILEIVAL-PRO-LYS 2 (PEL2)	hydroxyproline-i	5_2958327	3.84	three_prime_UTR
AT1G51690	PROTEIN PHOSPHATASE 2A 55 KDa B	regula_1_19171170	3.84	intergenic	
AT5G25610	RESPONSIVE TO DESSICATION 22 (RD22)	responsive to d	5_8916878	3.84	promoter
AT2G46280	TGF-BETA RECEPTOR INTERACTING P	Encodes a hom	2_19005615	3.84	promoter
AT1G12240	(ATBETAFRUCT4)	Encodes a vac	1_4157486	3.83	three_prime_UTR
AT4G29160	(SNF7.1)	SNF7.1; CONT	4_14380673	3.83	promoter
AT5G47580	ALTERED SEED GERMINATION 7 (ASG7)	unknown protei	5_19297451	3.83	promoter
AT1G61810	BETA-GLUCOSIDASE 45 (BGLU45)	beta-glucosidas	1_22829771	3.83	promoter
AT4G29150	IQ-DOMAIN 25 (IQD25)	IQ-domain 25	(l_4_14380673	3.83	downstream
AT2G16240	na	pre-tRNA; tRNA	2_7039267	3.83	downstream
AT3G49550	na	unknown protei	3_18367674	3.83	promoter
AT1G12244	na	Polynucleotidyl	1_4157486	3.83	promoter
AT1G20380	na	Prolyl oligopept	1_7062033	3.83	intron
AT2G30050	na	transducin fami	2_12824315	3.83	promoter
AT1G66870	na	Carbohydrate-b	1_24947967	3.83	proximal promoter
AT1G66880	na	Protein kinase s	1_24947967	3.83	intron
AT3G22133	na	transposable el	3_7798020	3.83	proximal promoter
AT3G13700	na	RNA-binding (R	3_4492828	3.83	three_prime_UTR
AT3G49400	na	Transducin/WD	3_18324556	3.83	intron
AT4G18060	na	SH3 domain-co	4_10030011	3.83	promoter
AT4G18070	na	unknown protei	4_10030011	3.83	proximal promoter
AT5G47590	na	Heat shock prot	5_19297451	3.83	intergenic
AT3G07560	PEROXIN 13 (PEX13)	Encodes peroxi	3_2413452	3.83	five_prime_UTR
AT3G13710	PRENYLATED RAB ACCEPTOR 1.F4 (PF1)	prenylated RAB	3_4492828	3.83	five_prime_UTR
AT1G13440	GLYCERALDEHYDE-3-PHOSPHATE DEHYD	glyceraldehyde-	1_4610814	3.82	promoter
AT5G54070	HEAT SHOCK TRANSCRIPTION FACTOR 1A	member of Hs	5_21945806	3.82	downstream
AT5G54080	HOMOGENITISATE 1,2-DIOXYGENASE (H1)	homogentisate	5_21945806	3.82	promoter
AT2G46685	MICRORNA166A (MIR166A)	Encodes a micr	2_19171609	3.82	intergenic
AT2G37750	na	unknown protei	2_15831221	3.82	exon
AT4G40011	na	unknown protei	4_18551275	3.82	exon
AT1G72250	na	Di-glucose bind	1_27192653	3.82	promoter
AT4G01040	na	Glycosyl hydro	4_455664	3.82	downstream
AT1G22720	na	Protein kinase s	1_8039829	3.82	intergenic
AT1G32650	na	unknown protei	1_11807043	3.82	intergenic
AT3G06470	na	GNS1/SUR4 me	3_1984912	3.82	exon
AT3G23170	na	unknown protei	3_8268814	3.82	promoter
AT3G28923	na	Pseudogene of	3_10949516	3.82	intergenic
AT3G20300	na	Protein of unkn	3_7082680	3.82	proximal promoter
AT3G55240	na	Overexpression	3_20476687	3.82	proximal promoter

AT5G62680	na	Major facilitator	5_25171622	3.82	intergenic
AT5G56630	PHOSPHOFRUCTOKINASE 7 (PFK7)	phosphofructoki	5_22923098	3.82	proximal promoter
AT2G05070	PHOTOSYSTEM II LIGHT HARVESTING I	Encodes Lhcb2	2_1800542	3.82	promoter
AT1G09530	PHYTOCHROME INTERACTING FACTOR	Transcription fa	1_3076642	3.82	five_prime_UTR
AT4G01050	THYLAKOID RHODANESSE-LIKE (TROL)	hydroxyproline-	4_455664	3.82	promoter
AT5G54075	U3 SMALL NUCLEOLAR RNAD (U3D)	U3 small nuclec	5_21945806	3.82	promoter
AT2G46400	WRKY DNA-BINDING PROTEIN 46 (WRK	member of WR1	2_19046680	3.82	proximal promoter
AT1G66140	ZINC FINGER PROTEIN 4 (ZFP4)	Encodes a zinc	1_24621095	3.82	intron
AT1G08680	ARF GAP-LIKE ZINC FINGER-CONTAINI	A member of Af	1_2762609	3.81	five_prime_UTR
AT4G23990	CELLULOSE SYNTHASE LIKE G3 (CSLG	encodes a prote	4_12455990	3.81	promoter
AT5G40890	CHLORIDE CHANNEL A (CLC-A)	Encodes a merr	5_16385301	3.81	five_prime_UTR
AT1G14900	HIGH MOBILITY GROUP A (HMGA)	Encodes a prote	1_5139521	3.81	promoter
AT3G57150	HOMOLOGUE OF NAP57 (NAP57)	Encodes a puta	3_21153865	3.81	downstream
AT1G19870	IQ-DOMAIN 32 (iqd32)	IQ-domain 32 (i	1_6894791	3.81	downstream
AT1G68480	JAGGED (JAG)	Encodes a puta	1_25688501	3.81	proximal promoter
AT2G32510	MITOGEN-ACTIVATED PROTEIN KINASE	member of MEK	2_13798985	3.81	exon
AT1G19860	na	Zinc finger C-x8	1_6894791	3.81	promoter
AT1G21780	na	BTB/POZ doma	1_7654115	3.81	downstream
AT1G21790	na	TRAM, LAG1 ar	1_7654115	3.81	promoter
AT1G62310	na	transcription fac	1_23039916	3.81	promoter
AT3G55780	na	Glycosyl hydrok	3_20705413	3.81	promoter
AT5G16140	na	Peptidyl-tRNA h	5_5272046	3.81	promoter
AT4G02940	na	oxidoreductase,	4_1308566	3.81	intron
AT5G47020	na	unknown proteir	5_19090272	3.81	intergenic
AT5G47030	na	Encodes the mii	5_19090272	3.81	promoter
AT1G09150	na	pseudouridine s	1_2946095	3.81	promoter
AT1G26620	na	Plant protein of	1_9202352	3.81	proximal promoter
AT1G29715	na	pseudogene, pt	1_10393014	3.81	promoter
AT1G62600	na	Flavin-binding n	1_23179378	3.81	promoter
AT2G25890	na	Oleolin family p	2_11037100	3.81	promoter
AT1G14910	na	ENTH/ANTH/Vt	1_5139521	3.81	downstream
AT3G03270	na	Adenine nucleoi	3_761630	3.81	intron
AT3G62735	na	pre-tRNA; tRNA	3_23210699	3.81	promoter
AT5G65480	na	unknown proteir	5_26175912	3.81	promoter
AT5G61770	PETER PAN-LIKE PROTEIN (PPAN)	PETER PAN-lik	5_24818375	3.81	intergenic
AT3G44735	PHYTOSULFOKINE 3 PRECURSOR (PSI	Phytosulfokine	3_16292596	3.81	promoter
AT3G57140	SUGAR-DEPENDENT 1-LIKE (SDP1-LIKE	sugar-depender	3_21153865	3.81	promoter
AT4G36710	(HAM4)	GRAS family tra	4_17307446	3.8	exon
AT1G33560	ACTIVATED DISEASE RESISTANCE 1 (A	Encodes a NB	1_12168143	3.8	proximal promoter
AT1G46264	HEAT SHOCK TRANSCRIPTION FACTOR	Encodes SCHI2	1_17226486	3.8	downstream
AT4G36720	HVA22-LIKE PROTEIN K (HVA22K)	HVA22-like prot	4_17307446	3.8	promoter
AT1G21880	LYSM DOMAIN GPI-ANCHORED PROTE	Encodes a lysin	1_7680286	3.8	promoter
AT2G45412	na	unknown proteir	2_18714579	3.8	exon
AT2G32020	na	Acyl-CoA N-acy	2_13632004	3.8	promoter
AT1G10865	na	FUNCTIONS IN	1_3616207	3.8	promoter
AT1G30200	na	F-box family prc	1_10625091	3.8	five_prime_UTR
AT1G63855	na	Putative methyl	1_23701068	3.8	promoter
AT1G80170	na	Pectin lyase-like	1_30156552	3.8	proximal promoter
AT2G26695	na	Ran BP2/NZF z	2_11363486	3.8	proximal promoter
AT2G35637	na	Potential natura	2_14984398	3.8	promoter
AT2G35640	na	Homeodomain-l	2_14984398	3.8	downstream
AT1G56020	na	unknown proteir	1_20952004	3.8	promoter
AT1G63860	na	Disease resistai	1_23701068	3.8	intergenic
AT3G13480	na	unknown proteir	3_4394110	3.8	promoter
AT2G31080	na	transposable elk	2_13222225	3.8	intergenic
AT3G21890	na	B-box type zinc	3_7711980	3.8	proximal promoter
AT3G43580	na	Beta-galactosid	3_15502719	3.8	five_prime_UTR
AT4G08151	na	This gene encod	4_5155676	3.8	intergenic
AT4G21970	na	Protein of unkn	4_11652695	3.8	proximal promoter
AT5G11680	na	FUNCTIONS IN	5_3761052	3.8	downstream
AT4G28600	NO POLLEN GERMINATION RELATED 2	encodes a calm	4_14129237	3.8	promoter
AT3G57520	SEED IMBIBITION 2 (SIP2)	SIP2 encodes a	3_21293190	3.8	promoter
AT5G66920	SKU5 SIMILAR 17 (sks17)	SKU5 similar	1_5_26722417	3.8	promoter
AT5G04040	SUGAR-DEPENDENT 1 (SDP1)	Encodes a triac	5_1089674	3.8	five_prime_UTR
AT2G31070	TCP DOMAIN PROTEIN 10 (tcp10)	TCP family prot	2_13222225	3.8	five_prime_UTR
AT5G11690	TRANSLOCASE INNER MEMBRANE SU	mitochondrial in	5_3761052	3.8	promoter
AT3G26420	(ATRZ-1A)	Zinc finger-cont	3_9671460	3.79	promoter
AT5G16590	(LRR1)	Leucine-rich rep	5_5431677	3.79	promoter
AT5G61000	(RPA70D)	RPA70D; FUNC	5_24552908	3.79	promoter
AT1G75010	ACCUMULATION AND REPLICATION OF	Encodes ARC3	1_28164464	3.79	intergenic
AT5G65390	ARABINO GALACTAN PROTEIN 7 (AGP7	arabinogalactar	5_26130186	3.79	proximal promoter
AT5G56870	BETA-GALACTOSIDASE 4 (BGAL4)	beta-galactosidi	5_23001305	3.79	proximal promoter
AT5G62180	CARBOXYESTERASE 20 (CXE20)	carboxyesterasi	5_24978585	3.79	intergenic
AT5G10930	CBL-INTERACTING PROTEIN KINASE 5	Encodes CBL-ir	5_3444416	3.79	intergenic
AT4G22910	FIZZY-RELATED 2 (FZR2)	FIZZY-related	2_4_12012528	3.79	promoter
AT1G48620	HIGH MOBILITY GROUP A5 (HONS5)	This gene is pre	1_17976460	3.79	promoter
AT1G35515	HIGH RESPONSE TO OSMOTIC STRESS	Encodes a nucl	1_13079534	3.79	three_prime_UTR
AT4G22970	HOMOLOG OF SEPARASE (ESP)	Encodes a sepa	4_12043873	3.79	promoter
AT1G76135	MICRORNA394B (MIR394B)	Encodes a micr	1_28567152	3.79	proximal promoter
AT1G35516	na	myb-like transcr	1_13079534	3.79	three_prime_UTR
AT5G18310	na	unknown proteir	5_6061876	3.79	intron
AT1G63140	na	O-methyltransfe	1_23416257	3.79	proximal promoter
AT1G75000	na	GNS1/SUR4 me	1_28164464	3.79	exon
AT1G13940	na	Plant protein of	1_4768978	3.79	proximal promoter
AT2G44198	na	unknown proteir	2_18276146	3.79	exon
AT2G31140	na	Peptidase S24/	2_13269787	3.79	promoter
AT2G44200	na	CBF1-interactin	2_18276146	3.79	promoter
AT3G26430	na	GDSL-like Lipas	3_9671460	3.79	promoter
AT3G57370	na	Cyclin family prc	3_21228679	3.79	promoter
AT3G57380	na	Glycosyltransfer	3_21228679	3.79	proximal promoter
AT4G22980	na	FUNCTIONS IN	4_12043873	3.79	downstream
AT5G57120	na	FUNCTIONS IN	5_23124605	3.79	promoter
AT3G26410	TRNA MODIFICATION 11 (TRM11)	Encodes a prote	3_9671460	3.79	promoter
AT3G23670	(KINESIN-12B)	Microtubule mol	3_8519017	3.78	promoter

AT3G55130	ATP-BINDING CASSETTE G19 (ABCG19)	Encodes a vac	3_20437425	3.78	proximal promoter
AT1G78882	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open	1_29656217	3.78	promoter
AT3G26330	CYTOCHROME P450, FAMILY 71, SUBF	putative cytochr	3_9649914	3.78	proximal promoter
AT5G44210	ERF DOMAIN PROTEIN 9 (ERF9)	encodes a mem	5_17807645	3.78	downstream
AT3G53760	GAMMA-TUBULIN COMPLEX PROTEIN 4	Encodes GCP4	3_19922426	3.78	promoter
AT5G56030	HEAT SHOCK PROTEIN 81-2 (HSP81-2)	A member of he	5_22686767	3.78	promoter
AT5G39760	HOMEOBOX PROTEIN 23 (HB23)	homeobox prote	5_15911148	3.78	promoter
AT1G66760	na	MATE efflux fan	1_24904610	3.78	downstream
AT5G18920	na	Cox19-like CHC	5_6309931	3.78	promoter
AT2G25520	na	Drug/metabolite	2_10860185	3.78	proximal promoter
AT1G13640	na	Phosphatidyli	1_4680248	3.78	promoter
AT1G72950	na	Disease resist	1_27444269	3.78	promoter
AT1G78880	na	Ubiquitin-specifi	1_29656217	3.78	promoter
AT1G78890	na	unknown proteir	1_29656217	3.78	promoter
AT2G37050	na	Leucine-rich re	2_15568873	3.78	promoter
AT3G48140	na	B12D protein; C	3_17778294	3.78	promoter
AT3G49800	na	BSD domain-co	3_18473839	3.78	promoter
AT4G39930	na	unknown proteir	4_18518874	3.78	exon
AT5G36925	na	unknown proteir	5_14566454	3.78	promoter
AT3G02730	THIOREDOXIN F-TYPE 1 (TRXF1)	thioredoxin F-ty	3_589841	3.78	promoter
AT2G17790	VPS35 HOMOLOG A (VPS35A)	Encodes a prot	2_7733603	3.78	promoter
AT3G18035	(HON4)	A linker histone	3_6171843	3.77	promoter
AT4G14720	(PPD2)	PPD2 (and its p	4_8431938	3.77	downstream
AT4G14716	ACIREDUCTONE DIOXYGENASE 1 (ARC	Encodes an aci	4_8431938	3.77	five_prime_UTR
AT2G02000	GLUTAMATE DECARBOXYLASE 3 (GAD	glutamate decar	2_469071	3.77	intergenic
AT2G25295	LOW-MOLECULAR-WEIGHT CYSTEINE-	Encodes a mem	2_10771312	3.77	intergenic
AT1G11550	na	pre-tRNA; tRNA	1_3881491	3.77	promoter
AT1G31355	na	60S ribosomal r	1_11226382	3.77	proximal promoter
AT1G49580	na	Calcium-depend	1_18351380	3.77	promoter
AT1G80360	na	Pyridoxal phosp	1_30211768	3.77	proximal promoter
AT2G01990	na	unknown proteir	2_469071	3.77	proximal promoter
AT3G11600	na	unknown proteir	3_3666320	3.77	proximal promoter
AT3G56820	na	unknown proteir	3_21041838	3.77	promoter
AT5G24570	na	unknown proteir	5_8406112	3.77	five_prime_UTR
AT5G18140	na	Chaperone Dna	5_5998161	3.77	promoter
AT3G57670	NO TRANSMITTING TRACT (NTT)	Encodes a C2	3_21367014	3.77	intergenic
AT3G53232	ROTUNDIFOLIA LIKE 1 (RTFL1)	ROTUNDIFOLIA	3_19728130	3.77	intergenic
AT1G68540	TETRAKETIDE ALPHA-PYRONE REDUC	NAD(P)-binding	1_25717925	3.77	proximal promoter
AT3G56825	U2 SMALL NUCLEOLAR RNA4 (U2.4)	U2.4; snRNA; g	3_21041838	3.77	exon
AT1G11545	XYLOGLUCAN ENDOTRANSGLUCOSYL	xyloglucan end	1_3881491	3.77	proximal promoter
AT3G11900	AROMATIC AND NEUTRAL TRANSPORT	encodes an ami	3_3758339	3.76	promoter
AT5G03540	EXOCYST SUBUNIT EXO70 FAMILY PRC	AiEXO70A1 is	5_889054	3.76	proximal promoter
AT5G56860	GATA, NITRATE-INDUCIBLE, CARBON N	Encodes a mem	5_22992067	3.76	proximal promoter
AT2G25950	na	CONTAINS Inte	2_11070810	3.76	downstream
AT2G25964	na	unknown proteir	2_11070810	3.76	three_prime_UTR
AT1G09750	na	Eukaryotic aspa	1_3158802	3.76	exon
AT3G04860	na	Plant protein of	3_1341089	3.76	promoter
AT2G43530	na	Encodes a defe	2_18070990	3.76	intergenic
AT2G43535	na	Encodes a defe	2_18070990	3.76	five_prime_UTR
AT5G21280	na	hydroxyproline-i	5_7265803	3.76	promoter
AT2G20410	na	RNA-binding A	2_8802299	3.76	promoter
AT2G34050	na	INVOLVED IN; i	2_14384276	3.76	five_prime_UTR
AT2G34060	na	Peroxidase sup	2_14384276	3.76	proximal promoter
AT3G59850	na	Pectin lyase-like	3_22112579	3.76	proximal promoter
AT5G11070	na	unknown proteir	5_3514275	3.76	intergenic
AT5G04170	na	Calcium-binding	5_1145489	3.76	five_prime_UTR
AT4G28610	PHOSPHATE STARVATION RESPONSE	Similar to phosp	4_14135379	3.76	promoter
AT1G57990	PURINE PERMEASE 18 (PUP18)	Member of a far	1_21444546	3.76	proximal promoter
AT5G03530	RAB GTPASE HOMOLOG C2A (RABC2A	Encodes a mem	5_889054	3.76	proximal promoter
AT4G04220	RECEPTOR LIKE PROTEIN 46 (RLP46)	receptor like prc	4_2033250	3.76	promoter
AT4G17230	SCARECROW-LIKE 13 (SCL13)	Encodes a scar	4_9665042	3.76	proximal promoter
AT4G01470	TONOPLAST INTRINSIC PROTEIN 1;3 (T	Encodes ATIP14	6_239957	3.76	intergenic
AT2G43520	TRYP SIN INHIBITOR PROTEIN 2 (TI2)	Encodes putativ	2_18070990	3.76	intergenic
AT1G09760	U2 SMALL NUCLEAR RIBONUCLEOPRC	U2 small nuclea	1_3158802	3.76	intergenic
AT5G03455	(CDC25)	Encodes a hom	5_864186	3.75	downstream
AT5G61790	CALNEXIN 1 (CNX1)	calnexin 1 (CN	5_24829910	3.75	promoter
AT1G70782	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open	1_26697479	3.75	proximal promoter
AT2G29090	CYTOCHROME P450, FAMILY 707, SUBF	Encodes a prot	2_12495956	3.75	intron
AT2G29080	FTSH PROTEASE 3 (ftsh3)	encodes an Fts	2_12495956	3.75	proximal promoter
AT1G78220	GENERAL REGULATORY FACTOR 13 (C	14-3-3 protein C	1_29427903	3.75	proximal promoter
AT3G20670	HISTONE H2A 13 (HTA13)	Encodes HTA13	3_7229346	3.75	promoter
AT1G15060	na	Uncharacterise	1_5186929	3.75	five_prime_UTR
AT3G27420	na	unknown proteir	3_10148491	3.75	promoter
AT3G51000	na	alpha/beta-Hydr	3_18946702	3.75	promoter
AT3G51010	na	unknown proteir	3_18946702	3.75	three_prime_UTR
AT2G38980	na	pseudogene, sir	2_16278619	3.75	intron
AT5G43960	na	Nuclear transpc	5_17691978	3.75	promoter
AT1G72120	na	Major facilitator	1_27132042	3.75	promoter
AT2G24290	na	Protein of unknc	2_10338548	3.75	promoter
AT5G03460	na	unknown proteir	5_864186	3.75	promoter
AT5G11930	na	Thioredoxin sup	5_3847016	3.75	proximal promoter
AT1G28380	NECROTIC SPOTTED LESIONS 1 (NSL1	This gene is pre	1_9963602	3.75	five_prime_UTR
AT1G69870	NITRATE TRANSPORTER 1.7 (NRT1.7)	Encodes a low	1_26314349	3.75	proximal promoter
AT2G45790	PHOSPHOMANNOMUTASE (PMM)	encodes a phos	2_18855588	3.75	promoter
AT2G05620	PROTON GRADIENT REGULATION 5 (P	Involved in elec	2_2081994	3.75	promoter
AT2G40830	RING-H2 FINGER C1A (RHC1A)	Encodes a puta	2_17042543	3.75	promoter
AT1G66580	SENESCENCE ASSOCIATED GENE 24 (	senescence ass	1_24839085	3.75	promoter
AT2G23010	SERINE CARBOXYPEPTIDASE-LIKE 9 (S	serine carboxyp	2_9798178	3.75	proximal promoter
AT5G43970	TRANSLOCASE OF OUTER MEMBRANE	Subunit of the T	5_17691978	3.75	proximal promoter
AT1G61275	U12 SMALL NUCLEOLAR RNA (U12)	U12; snRNA; q	1_22603191	3.75	exon
AT1G78440	ARABIDOPSIS THALIANA GIBBERELLIN	Encodes a gibb	1_29514407	3.74	proximal promoter
AT3G60250	CASEIN KINASE II BETA CHAIN 3 (CKB	Regulatory (bet	3_22272299	3.74	promoter
AT5G45340	CYTOCHROME P450, FAMILY 707, SUBF	Encodes a prot	5_18377799	3.74	intergenic
AT3G54420	HOMOLOG OF CARROT EP3-3 CHITINA	encodes an EP	3_20145728	3.74	promoter

AT2G38530	LIPID TRANSFER PROTEIN 2 (LTP2)	Involved in lipid	2_16127768	3.74	proximal promoter
AT2G28405	LOW-MOLECULAR-WEIGHT CYSTEINE-	Encodes a mem	2_12154635	3.74	proximal promoter
AT3G06520	na	agenet domain-	3_2019927	3.74	promoter
AT1G29660	na	GDSL-like Lipas	1_10371087	3.74	proximal promoter
AT2G04795	na	unknown proteir	2_1682728	3.74	promoter
AT1G30600	na	Subtilase family	1_10845575	3.74	proximal promoter
AT3G02080	na	Ribosomal prote	3_365363	3.74	promoter
AT3G09850	na	D111/G-patch d	3_3025937	3.74	promoter
AT3G09860	na	unknown proteir	3_3025937	3.74	promoter
AT3G57470	na	Insulinase (Pepi	3_21269106	3.74	downstream
AT3G57460	na	catalytic;metal	3_21269106	3.74	intergenic
AT4G03030	na	Galactose oxid	4_1337618	3.74	promoter
AT4G35240	na	Protein of unkn	4_16764570	3.74	intron
AT5G38096	na	Pseudogene of	5_15204243	3.74	intron
AT5G55530	na	Calcium-depend	5_22496058	3.74	downstream
AT5G11490	na	adaptin family	p 5_3671701	3.74	promoter
AT5G57720	na	AP2/B3-like trar	5_23391942	3.74	promoter
AT5G07470	PEPTIDEMETHIONINE SULFOXIDE RED	ubiquitous enzy	5_2364357	3.74	five_prime_UTR
AT3G06510	SENSITIVE TO FREEZING 2 (SFR2)	Encodes a prote	3_2019927	3.74	downstream
AT3G26030	SERINE/THREONINE PROTEIN PHOSPH	protein phosph	3_9517226	3.74	promoter
AT5G54380	THESEUS1 (THE1)	Encodes THESE1	5_22081800	3.74	proximal promoter
AT3G10280	3-KETOACYL-COA SYNTHASE 14 (KCS1	Encodes KCS1	3_3179892	3.73	promoter
AT3G62290	ADP-RIBOSYLATION FACTOR A1E (ARF	A member of AF	3_23051448	3.73	promoter
AT3G13970	AUTOPHAGY 12 B (APG12B)	AUTOPHAGY 1	3_4615428	3.73	proximal promoter
AT3G10270	DNA GYRASE B1 (GYRB1)	Protein targetin	3_3179892	3.73	promoter
AT4G02350	EXOCYST COMPLEX COMPONENT SEC	Encodes a mem	4_1041039	3.73	intergenic
AT1G09420	GLUCOSE-6-PHOSPHATE DEHYDROGE	Encodes a prote	1_3038505	3.73	three_prime_UTR
AT1G64390	GLYCOSYL HYDROLASE 9C2 (GH9C2)	glycosyl hydrola	1_23908497	3.73	proximal promoter
AT5G49230	HYPERSENSITIVE TO RED AND BLUE (H	Identified in a sc	5_19960643	3.73	promoter
AT4G18010	INOSITOL(1,4,5)P3 5-PHOSPHATASE II	Encodes an ino	4_9997827	3.73	intergenic
AT1G53790	na	F-box and asso	1_20081572	3.73	promoter
AT1G53800	na	unknown proteir	1_20081572	3.73	promoter
AT4G02360	na	Protein of unkn	4_1041039	3.73	promoter
AT3G62285	na	pre-tRNA; tRNA	3_23051448	3.73	downstream
AT2G28130	na	unknown proteir	2_11987912	3.73	proximal promoter
AT1G09995	na	DNA repair DEF	1_3263774	3.73	promoter
AT1G10000	na	Ribonuclease H	1_3263774	3.73	downstream
AT1G21580	na	Zinc finger C-x8	1_7565894	3.73	promoter
AT1G33110	na	MATE efflux fan	1_12005887	3.73	intron
AT1G55604	na	Pseudogene of	1_20779264	3.73	intergenic
AT2G27315	na	Protein of unkn	2_11689344	3.73	intergenic
AT1G21590	na	Protein kinase	3_1_7565894	3.73	intergenic
AT1G26940	na	Cyclophilin-like	1_9343023	3.73	promoter
AT3G06660	na	PAPA-1-like fan	3_2102268	3.73	promoter
AT2G18690	na	unknown proteir	2_8102294	3.73	intergenic
AT4G17680	na	SBP (S-ribonuci	4_9842847	3.73	downstream
AT4G09620	na	Mitochondrial tr	4_6079186	3.73	promoter
AT4G38640	na	Plasma-membr	4_18059676	3.73	three_prime_UTR
AT5G01890	na	Leucine-rich rec	5_346568	3.73	proximal promoter
AT5G23665	na	pre-tRNA; tRNA	5_7981462	3.73	exon
AT5G49215	na	Pectin lyase-like	5_19953062	3.73	promoter
AT1G09415	NIM1-INTERACTING 3 (NIMIN-3)	encodes a kinas	1_3038505	3.73	promoter
AT3G21865	PEROXIN 22 (PEX22)	Interacts with PI	3_7703429	3.73	promoter
AT4G38630	REGULATORY PARTICLE NON-ATPASE	Regulatory parti	4_18059676	3.73	promoter
AT1G05460	SILENCING DEFECTIVE (SDE3)	Encodes a prote	1_1605068	3.73	promoter
AT3G56400	WRKY DNA-BINDING PROTEIN 70 (WRK	member of WR1	3_20912394	3.73	proximal promoter
AT1G70490	(ARFA1D)	A member of AF	1_26565846	3.72	promoter
AT2G17870	COLD SHOCK DOMAIN PROTEIN 3 (CSF	Encodes COLD	2_7765346	3.72	promoter
AT5G43060	ESPONSIVE TO DEHYDRATION 21B (RE	Granulin repeat	5_17271096	3.72	intron
AT3G50760	GALACTURONOSYLTRANSFERASE-LIK	Encodes a prote	3_18867979	3.72	promoter
AT5G56740	HISTONE ACETYLTRANSFERASE OF TH	Encodes an enz	5_22955778	3.72	promoter
AT5G25220	KNOTTED1-LIKE HOMEBOX GENE 3 (H	A member of clc	5_8738654	3.72	downstream
AT5G41900	na	alpha/beta-Hydr	5_16769360	3.72	exon
AT2G36090	na	F-box family prc	2_15159399	3.72	exon
AT5G06540	na	Pentatricopeptic	5_1998664	3.72	intergenic
AT5G39790	na	Encodes a chloi	5_15935334	3.72	promoter
AT3G17930	na	unknown proteir	3_6143385	3.72	promoter
AT4G27395	na	pre-tRNA; tRNA	4_13704781	3.72	promoter
AT1G03760	na	Prefoldin chape	1_943666	3.72	promoter
AT4G10820	na	F-box family prc	4_6649694	3.72	proximal promoter
AT5G25230	na	Ribosomal prote	5_8738654	3.72	proximal promoter
AT1G52750	na	alpha/beta-Hydr	1_19649419	3.72	promoter
AT1G63490	na	transcription fac	1_23553334	3.72	proximal promoter
AT2G38870	na	Predicted to enc	2_16237928	3.72	proximal promoter
AT2G43110	na	unknown proteir	2_17921840	3.72	promoter
AT5G13810	na	Glutaredoxin far	5_4455211	3.72	promoter
AT5G56745	na	pre-tRNA; tRNA	5_22955778	3.72	promoter
AT5G60580	na	RING/U-box sui	5_24353775	3.72	promoter
AT1G17890	(GER2)	GER2; FUNCTI	1_6155860	3.71	promoter
AT1G06290	ACYL-COA OXIDASE 3 (ACX3)	Encodes an acy	1_1922191	3.71	promoter
AT4G25960	ATP-BINDING CASSETTE B2 (ABCB2)	P-glycoprotein	2_4_13175947	3.71	proximal promoter
AT5G53290	CYTOKININ RESPONSE FACTOR 3 (CRF	encodes a mem	5_21613951	3.71	intergenic
AT3G02410	ISOPRENLYCYSTEINE METHYLESTERA	Isoprenylcysteir	3_492873	3.71	intron
AT3G14431	na	unknown proteir	3_4825616	3.71	intergenic
AT5G41100	na	FUNCTIONS IN	5_16447172	3.71	promoter
AT1G64450	na	Glycine-rich pro	1_23941873	3.71	exon
AT3G28220	na	TRAF-like fami	3_10524106	3.71	promoter
AT5G45350	na	proline-rich fami	5_18383982	3.71	promoter
AT2G45100	na	Cyclin/Brf1-like	2_18598528	3.71	promoter
AT4G18650	na	A maternally ex	4_10266573	3.71	proximal promoter
AT2G41705	na	camphor resista	2_17396718	3.71	proximal promoter
AT1G25510	na	Eukaryotic aspa	1_8959208	3.71	three_prime_UTR
AT3G07570	na	Cytochrome b5f	3_2420137	3.71	exon
AT3G24150	na	unknown proteir	3_8725948	3.71	promoter

AT3G21690	na	MATE efflux fan 3_7640847	3.71	exon
AT3G57750	na	Protein kinase s 3_21395497	3.71	downstream
AT3G57760	na	Protein kinase s 3_21395497	3.71	promoter
AT4G34412	na	CONTAINS inte 4_16454697	3.71	promoter
AT4G21745	na	PAK-box/P21-R 4_11549680	3.71	intron
AT4G34415	na	pre-tRNA; tRNA 4_16454697	3.71	intron
AT3G24160	PUTATIVE TYPE 1 MEMBRANE PROTEIN	Encodes a puta 3_8725948	3.71	promoter
AT5G13170	SENESCENCE-ASSOCIATED GENE 29	(Encodes a merr 5_4189414	3.71	intergenic
AT3G19570	SNOWY COTYLEDON 3 (SCO3)	Encodes SCO3 3_6801872	3.71	downstream
AT4G18390	TEOSINTE BRANCHED 1, CYCLOIDEA A	TEOSINTE BR/ 4_10165756	3.71	promoter
AT3G19580	ZINC-FINGER PROTEIN 2 (ZF2)	Encodes zinc fir 3_6801872	3.71	intergenic
AT4G34700	B22 SUBUNIT OF EUKARYOTIC MITOCH	Encodes the B2 4_16559074	3.71	downstream
AT4G28540	CASEIN KINASE I-LIKE 6 (CKL6)	casein kinase I- 4_14106785	3.7	promoter
AT1G28430	CYTOCHROME P450, FAMILY 705, SUBF	member of CYP 1_9989228	3.7	intergenic
AT3G02990	HEAT SHOCK TRANSCRIPTION FACTOR	member of Heat 3_673267	3.7	promoter
AT3G50890	HOMEBOX PROTEIN 28 (HB28)	homeobox prote 3_18916044	3.7	promoter
AT1G05100	MITOGEN-ACTIVATED PROTEIN KINASE	member of MEK 1_1469282	3.7	promoter
AT3G13530	MITOGEN-ACTIVATED PROTEIN KINASE	MAP3K epsilon 3_4419648	3.7	promoter
AT3G23250	MYB DOMAIN PROTEIN 15 (MYB15)	Member of the f 3_8307997	3.7	proximal promoter
AT3G30170	na	transposable elk 3_11798742	3.7	intergenic
AT1G01350	na	Zinc finger (CC 1_136005	3.7	promoter
AT1G55960	na	Polyketide cycl 1_20930056	3.7	promoter
AT1G55964	na	pseudogene of 1_20930056	3.7	proximal promoter
AT2G16250	na	Leucine-rich rep 2_7043541	3.7	proximal promoter
AT3G14200	na	Chaperone Dna 3_4715264	3.7	proximal promoter
AT3G44610	na	Protein kinase s 3_16191477	3.7	intron
AT4G14740	na	FUNCTIONS IN 4_8454024	3.7	five_prime_UTR
AT4G28564	na	This gene encod 4_14117850	3.7	intergenic
AT5G19090	na	Heavy metal tra 5_6385674	3.7	proximal promoter
AT4G36090	na	oxidoreductase, 4_17080871	3.7	promoter
AT3G16140	PHOTOSYSTEM I SUBUNIT H-1 (PSAH-1	Encodes subun 3_5470493	3.7	proximal promoter
AT2G32660	RECEPTOR LIKE PROTEIN 22 (RLP22)	receptor like prc 2_13856276	3.7	promoter
AT5G43470	RECOGNITION OF PERONOSPORA PAF	Confers resistar 5_17466850	3.7	intron
AT4G11150	VACUOLAR ATP SYNTHASE SUBUNIT E	Encodes a vacu 4_6799830	3.7	promoter
AT1G69310	WRKY DNA-BINDING PROTEIN 57 (WRK	member of WR1 1_26058265	3.7	promoter
AT5G07500	(PEI1)	Encodes an em 5_2372810	3.69	exon
AT3G48990	ACYL-ACTIVATING ENZYME 3 (AAE3)	Encodes an ox 3_18161465	3.69	promoter
AT4G21530	ANAPHASE PROMOTING COMPLEX 4 (A	Transducin/WD 4_11456015	3.69	downstream
AT2G38120	AUXIN RESISTANT 1 (AUX1)	Encodes an aux 2_15974281	3.69	exon
AT1G02730	CELLULOSE SYNTHASE-LIKE D5 (CSLD	Encodes a gene 1_598797	3.69	promoter
AT4G14510	CRM FAMILY MEMBER 3B (CFM3B)	Encodes a CRM 4_8341260	3.69	promoter
AT1G09350	GALACTINOL SYNTHASE 3 (GoiS3)	Predicted to enc 1_3018366	3.69	proximal promoter
AT4G09500	na	UDP-Glycosyltr 4_6017982	3.69	promoter
AT5G57060	na	FUNCTIONS IN 5_23092244	3.69	intergenic
AT5G64710	na	Putative endont 5_25869174	3.69	promoter
AT5G59770	na	Protein-tyrosine 5_24079138	3.69	intergenic
AT5G63145	na	pre-tRNA; tRNA 5_25330140	3.69	downstream
AT5G63150	na	unknown protei 5_25330140	3.69	promoter
AT1G16820	na	vacuolar ATP s 1_5758445	3.69	exon
AT1G33050	na	unknown protei 1_11971110	3.69	intron
AT1G57840	na	pseudogene, pt 1_21425608	3.69	intron
AT1G57850	na	Toll-Interleukin-1 1_21425608	3.69	intron
AT1G78860	na	curculin-like (m 1_29647931	3.69	promoter
AT1G78865	na	1_29647931	3.69	exon
AT2G31141	na	unknown protei 2_13272113	3.69	exon
AT2G31150	na	ATP binding;AT 2_13272113	3.69	promoter
AT2G33585	na	unknown protei 2_14224108	3.69	exon
AT2G33590	na	NAD(P)-binding 2_14224108	3.69	promoter
AT2G36650	na	unknown protei 2_15359476	3.69	promoter
AT1G33055	na	unknown protei 1_11971110	3.69	downstream
AT3G01590	na	Galactose muta 3_225848	3.69	promoter
AT3G08780	na	unknown protei 3_2667549	3.69	promoter
AT2G31140	na	Peptidase S24/ 2_13272113	3.69	intergenic
AT2G37220	na	Encodes a chl 2_15633027	3.69	intergenic
AT3G23700	na	Nucleic acid-bin 3_8533854	3.69	promoter
AT3G53730	na	Histone superfa 3_19912379	3.69	downstream
AT3G53740	na	Ribosomal prot 3_19912379	3.69	intergenic
AT4G11177	na	pre-tRNA; tRNA 4_6819426	3.69	downstream
AT4G14520	na	Protein of unkn 4_8341260	3.69	promoter
AT4G24920	na	secE/sec61-gar 4_12820855	3.69	promoter
AT5G16030	na	unknown protei 5_5235955	3.69	proximal promoter
AT4G34400	na	AP2/B3-like trar 4_16448511	3.69	intergenic
AT4G35670	na	Pectin lyase-like 4_16914030	3.69	proximal promoter
AT4G36750	na	Quinone reduct 4_17324445	3.69	promoter
AT3G19180	PARALOG OF ARC6 (PARC6)	Encodes a chl 3_6632572	3.69	promoter
AT5G20360	PHOX3 (Phox3)	Encodes one of 5_6881198	3.69	intergenic
AT3G17790	PURPLE ACID PHOSPHATASE 17 (PAP1	Expression is u 3_6088975	3.69	proximal promoter
AT2G42800	RECEPTOR LIKE PROTEIN 29 (RLP29)	receptor like prc 2_17809919	3.69	promoter
AT4G21534	SPHINGOSINE KINASE 2 (SPHK2)	Diacylglycerol k 4_11456015	3.69	promoter
AT4G12040	STRESS-ASSOCIATED PROTEIN 7 (SAP	A20/AN1-like zif 4_7214554	3.69	promoter
AT1G71880	SUCROSE-PROTON SYMPORTER 1 (SL	Sucrose transp 1_27046320	3.69	intergenic
AT5G20350	TIP GROWTH DEFECTIVE 1 (TIP1)	Encodes a prot 5_6881198	3.69	three_prime_UTR
AT1G63780	(IMP4)	Small nucleolar 1_23667401	3.68	promoter
AT3G21250	ATP-BINDING CASSETTE C8 (ABCC8)	member of MRF 3_7463811	3.68	promoter
AT3G01640	GLUCURONOKINASE G (GLCAK)	AtGlcAK is a su 3_239291	3.68	promoter
AT3G21260	GLYCOLIPID TRANSFER PROTEIN 3 (G	l) Glycolipid tran 3_7463811	3.68	downstream
AT4G16143	IMPORTIN ALPHA ISOFORM 2 (IMPA-2)	Protein interact 4_9133262	3.68	intergenic
AT3G03310	LECITHIN:CHOLESTEROL ACYLTRANSF	lecithin:choleste 3_781655	3.68	promoter
AT4G11330	MAP KINASE 5 (MPK5)	MAP kinase 4_6890682	3.68	proximal promoter
AT5G14565	MICRORNA398C (MIR398C)	Encodes a micr 5_4694185	3.68	promoter
AT1G12030	na	Protein of unkn 1_4066925	3.68	proximal promoter
AT3G03320	na	RNA-binding A 3_781655	3.68	promoter
AT4G37180	na	myb family trans 4_17504491	3.68	promoter
AT5G09876	na	unknown protei 5_3080574	3.68	downstream

AT2G22200	na	encodes a mem	2_9444463	3.68	promoter	
AT2G22201	na	unknown proteir	2_9444463	3.68	promoter	
AT4G31330	na	Protein of unkn	4_15203600	3.68	downstream	
AT1G15885	na	unknown proteir	1_5460458	3.68	promoter	
AT1G63790	na	pre-tRNA; tRNA	1_23667401	3.68	downstream	
AT1G67460	na	Minichromosom	1_25272129	3.68	promoter	
AT1G67470	na	Protein kinase s	1_25272129	3.68	promoter	
AT1G03520	na	Core-2/l-branch	1_880203	3.68	promoter	
AT3G15548	na	unknown proteir	3_5266703	3.68	promoter	
AT3G50850	na	Putative methyl	3_18905078	3.68	proximal promoter	
AT4G16141	na	GATA type zinc	4_9133262	3.68	promoter	
AT5G14550	na	Core-2/l-branch	5_4694185	3.68	promoter	
AT5G46170	na	F-box family prc	5_18718108	3.68	proximal promoter	
AT4G39230	na	encodes a prote	4_18267875	3.68	promoter	
AT5G14560	na	unknown proteir	5_4694185	3.68	downstream	
AT5G37010	na	unknown proteir	5_14623133	3.68	promoter	
AT5G46180	na	ORNITHINE-DELTA-AMINOTRANSFERASE	Encodes an orn	5_18718108	3.68	intergenic
AT2G05100	na	PHOTOSYSTEM II LIGHT HARVESTING	Lhcb2.1 protein	2_1824482	3.68	promoter
AT1G80480	na	PLASTID TRANSCRIPTIONALLY ACTIVE	plastid transcrip	1_30260773	3.68	promoter
AT1G80490	na	TOPLESS-RELATED 1 (TPR1)	TOPLESS-relat	1_30260773	3.68	downstream
AT5G59300	na	UBIQUITIN CARRIER PROTEIN 7 (UBC7)	ubiquitin conjug	5_23921308	3.68	promoter
AT1G63800	na	UBIQUITIN-CONJUGATING ENZYME 5 (UBC5)	ubiquitin-conjug	1_23667401	3.68	downstream
AT3G50740	na	UDP-GLUCOSYL TRANSFERASE 72E1 (UGT72E1)	UGT72E1 is an	3_18855325	3.68	three_prime_UTR
AT3G51820	na	(G4)	Encodes a prot	3_19219109	3.67	promoter
AT5G13490	na	ADP/ATP CARRIER 2 (AAC2)	Encodes mitoch	5_4337764	3.67	downstream
AT3G22370	na	ALTERNATIVE OXIDASE 1A (AOX1A)	Encodes AOX1;	3_7908730	3.67	three_prime_UTR
AT3G51920	na	CALMODULIN 9 (CAM9)	encodes a diver	3_19269530	3.67	promoter
AT1G64390	na	GLYCOSYL HYDROLASE 9C2 (GH9C2)	glycosyl hydrola	1_23905671	3.67	intergenic
AT1G31140	na	GORDITA (GOA)	Encodes a B-si	1_11119698	3.67	three_prime_UTR
AT2G18960	na	H(+)-ATPASE 1 (HA1)	Encodes a plasi	2_8219934	3.67	proximal promoter
AT2G18550	na	HOMEODOMAIN PROTEIN 21 (HB21)	Encodes a hom	2_8053452	3.67	proximal promoter
AT3G08770	na	LIPID TRANSFER PROTEIN 6 (LTP6)	Predicted to enc	3_2664926	3.67	promoter
AT4G23850	na	LONG-CHAIN ACYL-COA SYNTHETASE	long-chain acyl-	4_12408313	3.67	five_prime_UTR
AT3G46580	na	METHYL-CPG-BINDING DOMAIN PROTEIN 3 (MCP3)	Protein containi	3_17149829	3.67	intergenic
AT2G38325	na	MICRORNA390A (MIR390A)	Encodes a micr	2_16062580	3.67	intergenic
AT1G32730	na		unknown proteir	1_11840872	3.67	promoter
AT3G05160	na		Major facilitator	3_1457160	3.67	promoter
AT5G38005	na		Unknown gene	5_15151689	3.67	intergenic
AT5G10730	na		NAD(P)-binding	5_3393207	3.67	promoter
AT5G04500	na		a member of the	5_1283252	3.67	promoter
AT1G19485	na		Transducin/WD	1_6746714	3.67	promoter
AT1G05380	na		Acyl-CoA N-acy	1_1576743	3.67	promoter
AT1G31150	na		FUNCTIONS IN	1_11119698	3.67	promoter
AT3G46585	na		pre-tRNA; tRNA	3_17149829	3.67	downstream
AT3G59870	na		unknown proteir	3_22118334	3.67	promoter
AT4G23882	na		Heavy metal tra	4_12419266	3.67	intergenic
AT4G23885	na		unknown proteir	4_12419266	3.67	promoter
AT5G25615	na		transposable elk	5_8927285	3.67	proximal promoter
AT5G04840	na		bZIP protein; FL	5_1405175	3.67	promoter
AT5G13500	na		unknown proteir	5_4337764	3.67	promoter
AT5G15260	na		Ribosomal prote	5_4955167	3.67	promoter
AT5G41920	na		GRAS family tra	5_16781030	3.67	exon
AT5G66790	na		Protein kinase s	5_26667690	3.67	downstream
AT1G25380	na	NAD+ TRANSPORTER 2 (NDT2)	Encodes a mito	1_8903423	3.67	promoter
AT5G06690	na	WCRKC THIOREDOXIN 1 (WCRKC1)	Encodes a thior	5_2061989	3.67	promoter
AT2G40950	na	(BZIP17)	bZIP17 appears	2_17087328	3.66	intergenic
AT5G16390	na	CHLOROPLASTIC ACETYLCOENZYME A (ACCA)	Encodes for the	5_5360763	3.66	downstream
AT2G23980	na	CYCLIC NUCLEOTIDE-GATED CHANNEL 1 (CNG1)	member of Cycl	2_10204907	3.66	promoter
AT3G47500	na	CYCLING DOF FACTOR 3 (CDF3)	Dof-type zinc fir	3_17506131	3.66	promoter
AT3G21270	na	DOF ZINC FINGER PROTEIN 2 (DOF2)	Encodes Dof zir	3_7477504	3.66	intergenic
AT2G40940	na	ETHYLENE RESPONSE SENSOR 1 (ERS1)	Ethylene recept	2_17087328	3.66	promoter
AT4G37840	na	HEXOKINASE-LIKE 3 (HKL3)	Encodes a puta	4_17792687	3.66	promoter
AT3G21220	na	MAP KINASE KINASE 5 (MKK5)	Encodes a mito	3_7445675	3.66	promoter
AT2G35630	na	MICROTUBULE ORGANIZATION 1 (MOR1)	Member of the	1_2_14966626	3.66	promoter
AT1G60970	na		SNARE-like sur	1_22449687	3.66	promoter
AT1G64618	na		other RNA	1_24005833	3.66	promoter
AT1G71866	na		LOCATED IN:	e_1_27031293	3.66	five_prime_UTR
AT2G18750	na		Calmodulin-bin	2_8125508	3.66	intron
AT2G23985	na		unknown proteir	2_10204907	3.66	promoter
AT2G28940	na		Protein kinase s	2_12430332	3.66	proximal promoter
AT3G01450	na		ARM repeat sur	3_172042	3.66	promoter
AT3G13430	na		RING/U-box sur	3_4367130	3.66	promoter
AT3G16117	na		unknown proteir	3_5464623	3.66	exon
AT5G16380	na		Protein of unkn	5_5360763	3.66	promoter
AT5G41850	na		alpha/beta-Hydr	5_16758036	3.66	five_prime_UTR
AT5G41860	na		unknown proteir	5_16758036	3.66	five_prime_UTR
AT1G12710	na	PHLOEM PROTEIN 2-A12 (PP2-A12)	This gene is pre	1_4328548	3.66	promoter
AT1G10940	na	SNF1-RELATED PROTEIN KINASE 2.4 (SNF2.4)	Encodes a plan	1_3658668	3.66	promoter
AT1G10950	na	TRANSMEMBRANE NINE 1 (TMN1)	Encodes an Ara	1_3658668	3.66	proximal promoter
AT3G21280	na	UBIQUITIN-SPECIFIC PROTEASE 7 (UBF7)	Encodes a ubiq	3_7477504	3.66	intergenic
AT1G78700	na	BES1/BZR1 HOMOLOG 4 (BEH4)	BES1/BZR1 hor	1_29602118	3.65	intergenic
AT1G26560	na	BETA GLUCOSIDASE 40 (BGLU40)	beta glucosidas	1_9179346	3.65	intron
AT1G32790	na	CTC-INTERACTING DOMAIN 11 (CID11)	RNA-binding pri	1_11877408	3.65	promoter
AT4G11140	na	CYTOKININ RESPONSE FACTOR 1 (CRF1)	encodes a mem	4_6797665	3.65	proximal promoter
AT5G09440	na	EXORDIUM LIKE 4 (EXL4)	EXORDIUM like	5_2941678	3.65	intergenic
AT4G31750	na	HOPW1-1-INTERACTING 2 (WIN2)	Encodes HopW	4_15367944	3.65	promoter
AT1G73500	na	MAP KINASE KINASE 9 (MKK9)	member of MAF	1_27640466	3.65	five_prime_UTR
AT4G31760	na		Peroxidase sup	4_15367944	3.65	downstream
AT1G62422	na		unknown proteir	1_23101134	3.65	promoter
AT3G49970	na		Phototropic-res	3_18530048	3.65	proximal promoter
AT3G53640	na		Protein kinase s	3_19889162	3.65	promoter
AT4G03030	na		Galactose oxid	4_1338672	3.65	proximal promoter
AT4G31290	na		ChaC-like famil	4_15185952	3.65	five_prime_UTR
AT5G09450	na		Tetratricopeptid	5_2941678	3.65	promoter

AT4G31280	na	unknown proteir 4_15185952	3.65	five_prime_UTR
AT5G05795	na	pre-tRNA; tRNA 5_1742677	3.65	promoter
AT5G07800	na	Flavin-binding n 5_2487398	3.65	exon
AT5G09443	na	Potential natura 5_2941678	3.65	proximal promoter
AT5G09445	na	unknown proteir 5_2941678	3.65	intergenic
AT3G56710	SIGMA FACTOR BINDING PROTEIN 1 (S	Sig1 binding prc 3_21000919	3.65	proximal promoter
AT1G78710	TRICHOME BIREFRINGENCE-LIKE 42 (T	Encodes a merr 1_29602118	3.65	intron
AT3G13300	VARICOSE (VCS)	Encodes VCS (3_4303712	3.65	promoter
AT2G39190	(ATATH8)	member of ATH 2_16349999	3.64	five_prime_UTR
AT4G10920	(KELP)	Transcriptional r 4_6696287	3.64	intergenic
AT3G52090	(NRPB11)	Non-catalytic su 3_19319233	3.64	promoter
AT5G66690	(UGT72E2)	UGT72E2 is an 5_26628555	3.64	intergenic
AT5G65800	ACC SYNTHASE 5 (ACS5)	1-aminocycloprc 5_26333913	3.64	proximal promoter
AT2G13360	ALANINE:GLYOXYLATE AMINOTRANSF	Encodes a pero 2_5541466	3.64	promoter
AT2G28350	AUXIN RESPONSE FACTOR 10 (ARF10)	Involved in root 2_12112782	3.64	proximal promoter
AT2G27220	BEL1-LIKE HOMEODOMAIN 5 (BLH5)	BEL1-like home 2_11644215	3.64	intergenic
AT2G26980	CBL-INTERACTING PROTEIN KINASE 3	encodes a serin 2_11518573	3.64	intron
AT2G20190	CLIP-ASSOCIATED PROTEIN (CLASP)	Encodes a micr 2_8711757	3.64	three_prime_UTR
AT2G44810	DEFECTIVE ANTHR DEHISCENCE 1 (D	Mutant has defe 2_18480600	3.64	intergenic
AT1G21390	EMBRYO DEFECTIVE 2170 (emb2170)	embryo defectiv 1_7491360	3.64	proximal promoter
AT4G04020	FIBRILLIN (FIB)	Fibrillin precurs 4_1931817	3.64	promoter
AT3G26640	LIGHT-REGULATED WD 2 (LWD2)	Encodes LIGHT 3_9793096	3.64	promoter
AT4G30074	LOW-MOLECULAR-WEIGHT CYSTEINE-	Encodes a merr 4_14701704	3.64	proximal promoter
AT5G62470	MYB DOMAIN PROTEIN 96 (MYB96)	Encodes a R2R 5_25084960	3.64	intergenic
AT1G16180	na	Serinc-domain c 1_5543096	3.64	downstream
AT2G10940	na	Bifunctional inhi 2_4312150	3.64	promoter
AT3G22550	na	Protein of unknk 3_7990376	3.64	intergenic
AT5G17650	na	glycine/proline-r 5_5818667	3.64	promoter
AT5G17660	na	tRNA (guanine- 5_5818667	3.64	three_prime_UTR
AT5G27730	na	Protein of unknk 5_9820018	3.64	promoter
AT5G58510	na	unknown proteir 5_23654638	3.64	promoter
AT1G32620	na	pre-tRNA; tRNA 1_11797316	3.64	promoter
AT1G32630	na	unknown proteir 1_11797316	3.64	promoter
AT3G10035	na	pre-tRNA; tRNA 3_3096240	3.64	exon
AT3G15115	na	unknown proteir 3_5088200	3.64	proximal promoter
AT3G26630	na	Tetratricopeptid 3_9793096	3.64	promoter
AT3G10040	na	sequence-speci 3_3096240	3.64	downstream
AT3G15120	na	P-loop containir 3_5088200	3.64	downstream
AT3G52100	na	RING/FYVE/PH 3_19319233	3.64	promoter
AT3G60480	na	unknown proteir 3_22348478	3.64	promoter
AT3G60490	na	encodes a mem 3_22348478	3.64	proximal promoter
AT3G62528	na	This gene encoi 3_23131374	3.64	downstream
AT3G62529	na	pseudogene of j 3_23131374	3.64	promoter
AT4G10910	na	unknown proteir 4_6696287	3.64	promoter
AT4G18725	na	pre-tRNA; tRNA 4_10302090	3.64	downstream
AT4G36270	na	ATP binding; BE 4_17165289	3.64	promoter
AT4G35730	na	Regulator of Vp 4_16930910	3.64	promoter
AT4G36280	na	Histidine kinase 4_17165289	3.64	downstream
AT5G55220	na	trigger factor tyr 5_22397477	3.64	promoter
AT5G57790	na	unknown proteir 5_23413997	3.64	promoter
AT5G12460	na	Protein of unknk 5_4042198	3.64	proximal promoter
AT5G16110	na	unknown proteir 5_5262565	3.64	exon
AT5G25010	na	Protein of unknk 5_8616064	3.64	exon
AT5G37550	na	unknown proteir 5_14916779	3.64	intergenic
AT5G47250	na	LRP and NB-AF 5_19188854	3.64	promoter
AT5G55210	na	unknown proteir 5_22397477	3.64	promoter
AT2G20180	PHYTOCHROME INTERACTING FACTO	Encodes a nove 2_8711757	3.64	intergenic
AT1G16190	RADIATION SENSITIVE23A (RAD23A)	Encodes a merr 1_5543096	3.64	promoter
AT4G18730	RIBOSOMAL PROTEIN L16B (RPL16B)	encodes a cytos 4_10302090	3.64	promoter
AT5G43880	TON1 RECRUITING MOTIF 21 (TRM21)	Protein of unknk 5_17643671	3.64	promoter
AT3G26520	TONOPLAST INTRINSIC PROTEIN 2 (TIP	gamma tonopla: 3_9719835	3.64	intergenic
AT1G04820	TUBULIN ALPHA-4 CHAIN (TUA4)	Encodes an alp 1_1358436	3.64	promoter
AT5G57160	(ATLIG4)	Encodes the Ar: 5_23154224	3.63	intergenic
AT5G26340	(MSS1)	Encodes a prot 5_9245287	3.63	intron
AT4G25650	ACD1-LIKE (ACD1-LIKE)	Similar to ACD1 4_13083283	3.63	promoter
AT2G37550	ARF-GAP DOMAIN 7 (AGD7)	A member of Af 2_15757612	3.63	promoter
AT1G48790	ASSOCIATED MOLECULE WITH THE SH	associated mole 1_18047637	3.63	five_prime_UTR
AT3G30180	BRASSINOSTEROID-6-OXIDASE 2 (BR6)	Encodes a cyto 3_11812870	3.63	intron
AT4G23180	CYSTEINE-RICH RLK (RECEPTOR-LIKE	Encodes a rece 4_12138159	3.63	five_prime_UTR
AT4G23190	CYSTEINE-RICH RLK (RECEPTOR-LIKE	Encodes putativ 4_12138159	3.63	intergenic
AT4G31820	ENHANCER OF PINOID (ENP)	A member of the 4_15393075	3.63	intron
AT3G13060	EVOLUTIONARILY CONSERVED C-TER	evolutionarily cc 3_4180338	3.63	promoter
AT4G34460	GTP BINDING PROTEIN BETA 1 (AGB1)	Encodes the he 4_16479478	3.63	five_prime_UTR
AT2G02080	INDETERMINATE(ID)-DOMAIN 4 (IDD4)	indeterminate(I 2_521842	3.63	promoter
AT2G43680	IQ-DOMAIN 14 (IQD14)	IQ-domain 14 (I 2_18108193	3.63	promoter
AT2G29130	LACCASE 2 (LAC2)	putative laccase 2_12525667	3.63	exon
AT2G37555	na	Potential natura 2_15757612	3.63	exon
AT1G10640	na	Pectin lyase-like 1_3519132	3.63	proximal promoter
AT4G21910	na	MATE efflux fan 4_11625225	3.63	downstream
AT4G21903	na	MATE efflux fan 4_11625225	3.63	proximal promoter
AT2G23650	na	pre-tRNA; tRNA 2_10059437	3.63	downstream
AT3G14800	na	transposable elk 3_4970325	3.63	promoter
AT5G04390	na	C2H2-type zinc 5_1240585	3.63	downstream
AT5G56061	na	Pseudogene of 5_22706079	3.63	promoter
AT5G57150	na	basic helix-loop 5_23154224	3.63	intron
AT5G04400	NAC DOMAIN CONTAINING PROTEIN 77	NAC domain co 5_1240585	3.63	proximal promoter
AT4G30810	SERINE CARBOXYPEPTIDASE-LIKE 29 (	serine carboxyp 4_15003066	3.63	promoter
AT1G60940	SNF1-RELATED PROTEIN KINASE 2.10	encodes a mem 1_22442311	3.63	promoter
AT4G21540	SPHINGOSINE KINASE 1 (SPHK1)	Encodes a sphii 4_11459465	3.63	promoter
AT2G28520	VACUOLAR PROTON ATPASE A1 (VHA-	Vacuolar proton 2_12205811	3.63	intergenic
AT2G04842	EMBRYO DEFECTIVE 2761 (EMB2761)	Encodes a dual 2_1701416	3.62	promoter
AT5G61020	EVOLUTIONARILY CONSERVED C-TER	evolutionarily cc 5_24559872	3.62	five_prime_UTR
AT2G02540	HOMEODOMAIN PROTEIN 21 (HB21)	Zinc finger hom 2_681439	3.62	proximal promoter
AT4G22670	HSP70-INTERACTING PROTEIN 1 (HIP1)	Encodes one of 4_11918002	3.62	promoter

AT4G32551	LEUNIG (LUG)	LEUNIG regulat 4_15707190	3.62	promoter
AT2G47190	MYB DOMAIN PROTEIN 2 (MYB2)	Encodes a MYE 2_19377308	3.62	three_prime_UTR
AT3G23910	na	BEST Arabidop: 3_8640338	3.62	proximal promoter
AT1G07940	na	GTP binding Elc 1_2462220	3.62	intergenic
AT2G20050	na	protein serine/th 2_8656435	3.62	proximal promoter
AT1G24350	na	Acid phosphata: 1_8640639	3.62	five_prime_UTR
AT1G24360	na	NAD(P)-binding 1_8640639	3.62	five_prime_UTR
AT2G02600	na	pre-tRNA; tRNA 2_706881	3.62	downstream
AT2G23090	na	Uncharacteriser 2_9830430	3.62	promoter
AT3G22810	na	FUNCTIONS IN 3_8067823	3.62	proximal promoter
AT3G59660	na	C2 domain-cont 3_22038736	3.62	promoter
AT3G60805	na	pre-tRNA; tRNA 3_22470393	3.62	promoter
AT4G22666	na	Bifunctional inhi 4_11918002	3.62	downstream
AT5G01670	na	NAD(P)-linked c 5_251611	3.62	promoter
AT5G65030	na	unknown proteir 5_25976869	3.62	proximal promoter
AT3G14440	NINE-CIS-EPOXYCAROTENOID DIOXYG	Encodes 9-cis-ε 3_4839004	3.62	intergenic
AT1G30100	NINE-CIS-EPOXYCAROTENOID DIOXYG	Encodes 9-cis-ε 1_10574560	3.62	intergenic
AT1G77760	NITRATE REDUCTASE 1 (NIA1)	Encodes the cy1_29239495	3.62	promoter
AT1G80770	PIGMENT DEFECTIVE 318 (PDE318)	pigment defectiv 1_30355035	3.62	promoter
AT2G22190	TREHALOSE-6-PHOSPHATE PHOSPHA	Haloaloid dehalc 2_9436793	3.62	promoter
AT5G05860	UDP-GLUCOSYL TRANSFERASE 76C2 (	Encodes a cytol 5_1765374	3.62	promoter
AT3G11730	(ATFP8)	Encodes a merr 3_3708693	3.61	intergenic
AT4G22780	ACT DOMAIN REPEAT 7 (ACR7)	Member of a far 4_11968539	3.61	three_prime_UTR
AT4G26570	CALCINEURIN B-LIKE 3 (CBL3)	member of AtCε 4_13411249	3.61	promoter
AT3G10600	CATIONIC AMINO ACID TRANSPORTER	Encodes a merr 3_3315687	3.61	intron
AT1G66160	CYS, MET, PRO, AND GLY PROTEIN 1 (C	CYS, MET, PRC 1_24634646	3.61	proximal promoter
AT4G33240	FORMS APOID AND BINUCLEATE CEL	Encodes a prot 4_16038577	3.61	proximal promoter
AT1G15550	GIBBERELLIN 3-OXIDASE 1 (GA3OX1)	Involved in later 1_5345049	3.61	exon
AT5G18170	GLUTAMATE DEHYDROGENASE 1 (GDH)	Encodes the 43 5_6006041	3.61	five_prime_UTR
AT1G79530	GLYCERALDEHYDE-3-PHOSPHATE DEH	Encodes one of 1_29919626	3.61	promoter
AT4G03190	GRR1-LIKE PROTEIN 1 (GRH1)	Encodes an F b 4_1407272	3.61	promoter
AT3G61590	HAWAIIAN SKIRT (HWS)	HAWAIIAN SKII 3_22794416	3.61	downstream
AT3G61890	HOMEBOX 12 (HB-12)	Encodes a hom 3_22915460	3.61	promoter
AT2G46680	HOMEBOX 7 (HB-7)	encodes a putat 2_19168856	3.61	proximal promoter
AT1G06148	na	Unknown gene 1_1877777	3.61	promoter
AT5G19060	na	CONTAINS Inte 5_6372653	3.61	promoter
AT2G15170	na	Plant basic secr 2_6587443	3.61	promoter
AT1G49520	na	SWIB complex I 1_18328984	3.61	proximal promoter
AT1G76460	na	RNA-binding (R 1_28689229	3.61	promoter
AT1G76720	na	eukaryotic trans 1_28800428	3.61	promoter
AT2G01330	na	nucleotide bindi 2_160966	3.61	promoter
AT1G22403	na	other RNA 1_7910690	3.61	proximal promoter
AT2G43370	na	RNA-binding (R 2_18013330	3.61	promoter
AT3G03960	na	TCP-1/cpn60 ct 3_1024110	3.61	promoter
AT3G11720	na	Polyketide cycl 3_3708693	3.61	intron
AT3G15260	na	Protein phosph 3_5142821	3.61	downstream
AT3G14830	na	unknown proteir 3_4982557	3.61	promoter
AT5G05140	na	Transcription eli 5_1519763	3.61	promoter
AT5G26990	na	Drought-respon 5_9490919	3.61	promoter
AT4G28530	NAC DOMAIN CONTAINING PROTEIN 74	NAC domain co 4_14091446	3.61	intron
AT4G39390	NUCLEOTIDE SUGAR TRANSPORTER-F	Encodes a golq 4_18314909	3.61	proximal promoter
AT4G28660	PHOTOSYSTEM II REACTION CENTER I	Similar to PswW 4_14149811	3.61	promoter
AT3G61600	POZ/BTB CONTAININ G-PROTEIN 1 (PO	POZ/BTB conta 3_22794416	3.61	proximal promoter
AT5G13170	SENESCENCE-ASSOCIATED GENE 29 (	Encodes a merr 5_4186447	3.61	intergenic
AT4G25520	SEUSS-LIKE 1 (SLK1)	SEUSS-like 1 (ε 4_13036568	3.61	promoter
AT3G15270	SQUAMOSA PROMOTER BINDING PRO	Encodes a merr 3_5142821	3.61	proximal promoter
AT3G14350	STRUBBELIG-RECEPTOR FAMILY 7 (SR	STRUBBELIG-r 3_4789358	3.61	proximal promoter
AT5G26980	SYNTAXIN OF PLANTS 41 (SYP41)	member of SYP 5_9490919	3.61	promoter
AT1G66150	TRANSMEMBRANE KINASE 1 (TMK1)	receptor-like tra 1_24634646	3.61	three_prime_UTR
AT5G18680	TUBBY LIKE PROTEIN 11 (TLP11)	Member of TLP 5_6231409	3.61	proximal promoter
AT3G24810	(ICK3)	Kip-related prot 3_9058622	3.6	proximal promoter
AT2G28800	ALBINO 3 (ALB3)	member of Chlo 2_12359371	3.6	promoter
AT3G18980	EIN2 TARGETING PROTEIN1 (ETP1)	EIN2 targeting f 3_6546250	3.6	promoter
AT1G08510	FATTY ACYL-ACP THIOESTERASES B (I	Encodes an acy 1_2694671	3.6	promoter
AT2G37380	MEMBRANE-ASSOCIATED KINASE REG	Encodes a merr 2_15688434	3.6	intergenic
AT2G02160	na	CCCH-type zinc 2_556242	3.6	promoter
AT3G45638	na	Unknown gene 3_16755620	3.6	exon
AT4G05018	na	unknown proteir 4_2572595	3.6	intergenic
AT5G63700	na	zinc ion binding: 5_25497854	3.6	promoter
AT3G11180	na	2-oxoglutarate (3_3504039	3.6	promoter
AT3G62200	na	Putative endon 3_23025949	3.6	promoter
AT1G30680	na	toprim domain-c 1_10881464	3.6	promoter
AT1G64120	na	pre-tRNA; tRNA 1_23802317	3.6	promoter
AT1G64130	na	Polyketide cycl 1_23802317	3.6	promoter
AT1G79390	na	unknown proteir 1_29864381	3.6	promoter
AT3G18790	na	FUNCTIONS IN 3_6477595	3.6	promoter
AT2G45810	na	DEA(D/H)-box f 2_18859486	3.6	promoter
AT4G27870	na	Vacuolar iron tr: 4_13883105	3.6	downstream
AT4G24805	na	S-adenosyl-L-m 4_12785373	3.6	exon
AT4G27875	na	pre-tRNA; tRNA 4_13883105	3.6	promoter
AT5G48900	na	Pectin lyase-like 5_19826016	3.6	intron
AT5G54170	na	Polyketide cycl 5_21987152	3.6	five_prime_UTR
AT4G05020	NAD(P)H DEHYDROGENASE B2 (NDB2)	NAD(P)H dehy 4_2572595	3.6	promoter
AT4G00340	RECEPTOR-LIKE PROTEIN KINASE 4 (R	Encodes a rece 4_148733	3.6	promoter
AT1G79380	RING DOMAIN LIGASE 4 (RGLG4)	Encodes a ubiq 1_29864381	3.6	intergenic
AT5G42820	(U2AF35B)	U2 auxiliary fact 5_17171788	3.59	promoter
AT4G36870	BEL1-LIKE HOMEODOMAIN 2 (BLH2)	Encodes a merr 4_17373064	3.59	intron
AT2G44480	BETA GLUCOSIDASE 17 (BGLU17)	beta glucosidas 2_18358821	3.59	proximal promoter
AT4G36880	CYSTEINE PROTEINASE1 (CP1)	cysteine protein 4_17373064	3.59	intergenic
AT2G46590	DOF AFFECTING GERMINATION 2 (DAG	encodes a prote 2_19132492	3.59	proximal promoter
AT3G09350	FES1A (Fes1A)	Encodes one of 3_2870881	3.59	promoter
AT1G61800	GLUCOSE-6-PHOSPHATE/PHOSPHATE	glucose6-Phosφ 1_22822710	3.59	proximal promoter
AT5G63800	MUCILAGE-MODIFIED 2 (MUM2)	Involved in muc 5_25531802	3.59	intron
AT3G56010	na	unknown proteir 3_20788634	3.59	promoter

AT1G15600	na	unknown protein 1_5370095	3.59	three_prime_UTR
AT1G15610	na	unknown protein 1_5370095	3.59	proximal promoter
AT3G06070	na	unknown protein 3_1830163	3.59	intergenic
AT2G07000	na	unknown protein 2_2901851	3.59	downstream
AT1G66345	na	Pentatricopeptic 1_24742641	3.59	intergenic
AT3G13940	na	DNA binding;DH 3_4602556	3.59	promoter
AT3G23880	na	F-box and asso 3_8623387	3.59	promoter
AT3G22550	na	Protein of unknc 3_7992538	3.59	exon
AT5G41580	na	RING/U-box suj 5_16631332	3.59	proximal promoter
AT5G42825	na	unknown protein 5_17171788	3.59	promoter
AT5G51600	PLEIADE (PLE)	Mutant has defe 5_20964615	3.59	promoter
AT2G36420	TON1 RECRUITING MOTIF 27 (TRM27)	unknown protein 2_15286234	3.59	promoter
AT3G06060	TSC10A (TSC10A)	Encodes one of 3_1830163	3.59	five_prime_UTR
AT1G10550	XYLOGLUCAN:XYLOGLUCOSYL TRANS	Encodes a merr 1_3481064	3.59	promoter
AT5G02470	(DPA)	core cell cycle c 5_545007	3.58	promoter
AT4G39660	ALANINE:GLYOXYLATE AMINOTRANSFI	alanine;glyoxyla 4_18406586	3.58	promoter
AT5G66200	ARMADILLO REPEAT ONLY 2 (ARO2)	Armadillo repea 5_26453239	3.58	downstream
AT2G23080	CASEIN KINASE II, ALPHA CHAIN 3 (CKI	Protein kinase s 2_9826956	3.58	promoter
AT5G19180	E1 C-TERMINAL RELATED 1 (ECR1)	Encodes a subf 5_6452273	3.58	proximal promoter
AT2G41070	ENHANCED EM LEVEL (EEL)	Transcription fa 2_17130296	3.58	promoter
AT1G04370	ETHYLENE-RESPONSIVE ELEMENT BIN	encodes a mem 1_1174371	3.58	proximal promoter
AT5G66190	FERRDOXIN-NADP(+)-OXIDOREDUCT.	Encodes a leaf- 5_26453239	3.58	promoter
AT4G23100	GLUTAMATE-CYSTEINE LIGASE (GSH1)	Encodes the en 4_12102873	3.58	intron
AT1G51950	INDOLE-3-ACETIC ACID INDUCIBLE 18 (	indole-3-acetic ; 1_19305219	3.58	promoter
AT1G11735	MICRORNA171B (MIR171B)	Encodes a micr 1_3960369	3.58	intergenic
AT3G48201	MICRORNA861A (MIR861A)	Encodes a micr 3_17837985	3.58	downstream
AT1G71350	na	eukaryotic trans 1_26891397	3.58	promoter
AT3G07030	na	Alba DNA/RNA- 3_2225554	3.58	promoter
AT3G53370	na	S1FA-like DNA- 3_19788912	3.58	promoter
AT3G53380	na	Concanavalin A 3_19788912	3.58	downstream
AT5G11080	na	Ubiquitin-like su 5_3522442	3.58	proximal promoter
AT1G02290	na	unknown protein 1_453064	3.58	promoter
AT1G12120	na	Plant protein of 1_4117918	3.58	promoter
AT1G28375	na	unknown protein 1_9960358	3.58	proximal promoter
AT2G23070	na	Protein kinase s 2_9826956	3.58	promoter
AT1G67350	na	unknown protein 1_25233737	3.58	proximal promoter
AT3G48200	na	unknown protein 3_17837985	3.58	promoter
AT4G23090	na	unknown protein 4_12102873	3.58	proximal promoter
AT5G01910	na	unknown protein 5_357932	3.58	three_prime_UTR
AT5G06050	na	Putative methyl 5_1823035	3.58	intron
AT5G06060	na	NAD(P)-binding 5_1823035	3.58	intergenic
AT5G53205	na	unknown protein 5_21585457	3.58	downstream
AT5G03240	POLYUBIQUITIN 3 (UBQ3)	encodes ubiquit 5_773454	3.58	intron
AT5G24470	PSEUDO-RESPONSE REGULATOR 5 (P	Encodes a pset 5_8358836	3.58	exon
AT3G07040	RESISTANCE TO P. SYRINGAE PV MAC	Contains an N-1 3_2225554	3.58	intergenic
AT2G20310	RPM1 INTERACTING PROTEIN 13 (RIN1	Encodes RPM1 2_8764097	3.58	proximal promoter
AT1G62180	5'ADENYLYLPHOSPHOSULFATE REDUC	encodes a ader 1_22977730	3.57	promoter
AT1G24657	na	unknown pseud 1_8739468	3.57	proximal promoter
AT1G58235	na	unknown protein 1_21579865	3.57	three_prime_UTR
AT3G49950	na	GRAS family tra 3_18518502	3.57	intergenic
AT1G62181	na	unknown protein 1_22977730	3.57	exon
AT1G21010	na	unknown protein 1_7344768	3.57	proximal promoter
AT4G03340	na	Core-2/l-branch 4_1470258	3.57	promoter
AT1G16960	na	Ubiquitin domai 1_5799824	3.57	promoter
AT1G70185	na	other RNA 1_26429864	3.57	exon
AT1G70949	na	unknown protein 1_26752489	3.57	exon
AT1G76810	na	eukaryotic trans 1_28836584	3.57	five_prime_UTR
AT2G03750	na	P-loop containir 2_1149243	3.57	promoter
AT3G25660	na	Amidase family 3_9343620	3.57	proximal promoter
AT3G23840	na	HXXXD-type ac 3_8611859	3.57	exon
AT4G32920	na	glycine-rich prot 4_15895256	3.57	exon
AT4G23000	na	Calcineurin-like 4_12053652	3.57	proximal promoter
AT4G30970	na	unknown protein 4_15069121	3.57	downstream
AT4G36520	na	Chaperone Dna 4_17236132	3.57	proximal promoter
AT4G36840	na	Galactose oxidz 4_17351290	3.57	promoter
AT5G49665	na	Zinc finger (C3H 5_20167162	3.57	exon
AT2G06050	OXOPHYTODIENOATE-REDUCTASE 3 (	Encodes a 12-o 2_2362264	3.57	five_prime_UTR
AT2G18660	PLANT NATRIURETIC PEPTIDE A (PNP-	Encodes PNP- / 2_8091855	3.57	promoter
AT2G16850	PLASMA MEMBRANE INTRINSIC PROTE	plasma membra 2_7301148	3.57	promoter
AT1G16470	PROTEASOME SUBUNIT PAB1 (PAB1)	Encodes 20S pr 1_5622720	3.57	promoter
AT1G16460	RHODANESE HOMOLOGUE 2 (RDH2)	encodes a cytoz 1_5622720	3.57	promoter
AT4G30960	SOS3-INTERACTING PROTEIN 3 (SIP3)	Encodes CBL-ir 4_15069121	3.57	downstream
AT2G03760	SULPHOTRANSFERASE 12 (SOT12)	Encodes a bras 2_1149243	3.57	downstream
AT1G75500	WALLS ARE THIN 1 (WAT1)	An Arabidopsis 1_28341702	3.57	proximal promoter
AT2G25080	GLUTATHIONE PEROXIDASE 1 (GPX1)	Encodes glutat 2_10667336	3.56	proximal promoter
AT4G01950	GLYCEROL-3-PHOSPHATE ACYLTRANS	Encodes a merr 4_849462	3.56	proximal promoter
AT1G22990	HEAVY METAL ASSOCIATED ISOPREN	Heavy metal tra 1_8138364	3.56	proximal promoter
AT4G14550	INDOLE-3-ACETIC ACID INDUCIBLE 14 (	IAA14 is a mem 4_8347874	3.56	three_prime_UTR
AT3G45640	MITOGEN-ACTIVATED PROTEIN KINASE	Encodes a mito; 3_16758904	3.56	downstream
AT3G10330	na	Cyclin-like famil 3_3199600	3.56	promoter
AT5G22730	na	F-box/RNI-like/f 5_7553621	3.56	promoter
AT4G11860	na	FUNCTIONS IN 4_7139550	3.56	proximal promoter
AT5G24990	na	Protein of unknc 5_8610526	3.56	promoter
AT1G05950	na	unknown protein 1_1807735	3.56	promoter
AT1G17490	na	unknown protein 1_6008484	3.56	promoter
AT1G27120	na	Galactosyltrans 1_9420479	3.56	proximal promoter
AT1G05960	na	ARM repeat sur 1_1807735	3.56	intergenic
AT2G40130	na	Double Clp-N m 2_16764807	3.56	proximal promoter
AT4G14548	na	other RNA 4_8347874	3.56	downstream
AT4G39140	na	RING/U-box suj 4_18232096	3.56	promoter
AT4G34272	na	This gene encoi 4_16406398	3.56	downstream
AT3G25882	NIM1-INTERACTING 2 (NIMIN-2)	encodes a kinas 3_9472550	3.56	proximal promoter
AT3G45650	NITRATE EXCRETION TRANSPORTER1	Encodes a nitra 3_16758904	3.56	promoter
AT5G01730	SCAR FAMILY PROTEIN 4 (SCAR4)	Encodes a merr 5_277724	3.56	promoter

AT3G20630	UBIQUITIN-SPECIFIC PROTEASE 14 (UE	Encodes a ubiq 3_7208562	3.56	promoter
AT5G14070	(ROXY2)	Encodes glutare 5_4542774	3.55	intergenic
AT5G53190	(SWEET3)	Nodulin MtN3 fa 5_21572356	3.55	three_prime_UTR
AT2G30970	ASPARTATE AMINOTRANSFERASE 1 (A	ASPARTATE AI 2_13178407	3.55	promoter
AT4G00140	EMBRYO SAC DEVELOPMENT ARREST	embryo sac dev 4_54293	3.55	proximal promoter
AT3G23400	FIBRILLIN 4 (FIB4)	Encodes FIBRII 3_8378352	3.55	promoter
AT1G72520	LIPOXYGENASE 4 (LOX4)	PLAT/LH2 dom 1_27309503	3.55	intron
AT3G55850	LONG AFTER FAR-RED 3 (LAF3)	Encodes a prod 3_20721583	3.55	downstream
AT3G55840	na	Hs1pro-1 protei 3_20721583	3.55	proximal promoter
AT1G11230	na	Protein of unkn 1_3764824	3.55	promoter
AT1G56300	na	Chaperone Dna 1_21079149	3.55	exon
AT3G29170	na	Eukaryotic prote 3_11139133	3.55	proximal promoter
AT4G01400	na	FUNCTIONS IN 4_577878	3.55	proximal promoter
AT4G01410	na	Late embryoqer 4_577878	3.55	promoter
AT1G03740	na	Protein kinase s 1_937712	3.55	intergenic
AT1G23100	na	GroES-like fami 1_8193606	3.55	proximal promoter
AT1G55840	na	Sec14p-like phc 1_20873030	3.55	proximal promoter
AT1G61790	na	Oligosaccharyltr 1_22816513	3.55	intergenic
AT2G38995	na	O-acyltransfera 2_16281673	3.55	promoter
AT3G01300	na	Protein kinase s 3_93570	3.55	five_prime_UTR
AT2G27090	na	Protein of unkn 2_11572441	3.55	proximal promoter
AT2G30960	na	unknown proteir 2_13178407	3.55	promoter
AT3G01310	na	Phosphoglycer 3_93570	3.55	intergenic
AT3G07350	na	Protein of unkn 3_2350395	3.55	intergenic
AT3G51130	na	unknown proteir 3_18994121	3.55	promoter
AT4G13040	na	Integrase-type I 4_7613333	3.55	five_prime_UTR
AT4G25707	na	This gene encoi 4_13096989	3.55	intergenic
AT4G26240	na	unknown proteir 4_13289086	3.55	promoter
AT4G36130	na	Ribosomal prote 4_17097482	3.55	promoter
AT5G53180	POLYPYRIMIDINE TRACT-BINDING PRO	Encodes one of 5_21572356	3.55	promoter
AT1G07530	SCARECROW-LIKE 14 (SCL14)	Encodes a merr 1_2316444	3.55	five_prime_UTR
AT2G27100	SERRATE (SE)	Identified as a le 2_11572441	3.55	promoter
AT1G03750	SWITCH 2 (SWI2)	switch 2 (SWI2) 1_937712	3.55	promoter
AT2G27400	TRANS-ACTING SIRNA1A (TAS1A)	Trans-acting sir 2_11722521	3.55	promoter
AT1G09940	(HEMA2)	Encodes glutar 1_3239452	3.54	five_prime_UTR
AT1G32640	(MYC2)	Encodes a MYC 1_11804382	3.54	intergenic
AT3G21160	ALPHA-MANNOSIDASE 2 (MNS2)	Encodes an alpi 3_7412751	3.54	intergenic
AT3G21150	B-BOX DOMAIN PROTEIN 32 (BBX32)	Encodes a prot 3_7412751	3.54	exon
AT3G07370	CARBOXYL TERMINUS OF HSC70-INTEI	Encodes AtCHII 3_2360403	3.54	five_prime_UTR
AT1G48110	EVOLUTIONARILY CONSERVED C-TERI	evolutionarily cc 1_17769703	3.54	intergenic
AT3G09530	EXOCYST SUBUNIT EXO70 FAMILY PRC	A member of E) 3_2928412	3.54	downstream
AT5G47040	LON PROTEASE 2 (LON2)	Encodes a merr 5_19092810	3.54	intergenic
AT3G05790	LON PROTEASE 4 (LON4)	Encodes a merr 3_1725445	3.54	promoter
AT2G22910	N-ACETYL-L-GLUTAMATE SYNTHASE 1	N-acetyl-l-glutar 2_9749799	3.54	promoter
AT3G63052	na	This gene encoi 3_23298832	3.54	downstream
AT2G39210	na	Major facilitator 2_16366000	3.54	downstream
AT1G48100	na	Pectin lyase-like 1_17769703	3.54	three_prime_UTR
AT5G18200	na	encodes an ade 5_6015055	3.54	promoter
AT2G22905	na	Expressed prote 2_9749799	3.54	intergenic
AT3G21140	na	Pyridoxamine 5' 3_7412751	3.54	proximal promoter
AT1G09575	na	Protein of unkn 1_3100854	3.54	intergenic
AT2G40450	na	BTB/POZ doma 2_16894281	3.54	proximal promoter
AT3G07340	na	basic helix-loop 3_2344557	3.54	proximal promoter
AT2G32090	na	Lactoylglutathio 2_13644287	3.54	promoter
AT2G41890	na	curculin-like (mc 2_17477619	3.54	intergenic
AT3G21690	na	MATE efflux fan 3_7638646	3.54	promoter
AT3G62280	na	GDSL-like Lipas 3_23050066	3.54	intron
AT4G22790	na	MATE efflux fan 4_11976808	3.54	promoter
AT5G47030	na	Encodes the mi 5_19092810	3.54	intergenic
AT5G47510	na	Sec14p-like phc 5_19274855	3.54	promoter
AT1G09570	PHYTOCHROME A (PHYA)	Light-labile cyto 1_3100854	3.54	promoter
AT2G32080	PURIN-RICH ALPHA 1 (PUR ALPHA-1)	similar to the co 2_13644287	3.54	promoter
AT1G14360	UDP-GALACTOSE TRANSPORTER 3 (U'	UDP-galactose 1_4913267	3.54	promoter
AT2G20825	ULTRAPETALA 2 (ULT2)	ULTRAPETALA 2_8967447	3.54	proximal promoter
AT4G18170	WRKY DNA-BINDING PROTEIN 28 (WRK	member of WRI 4_10063263	3.54	intergenic
AT5G40395	(U6acat)	U6acat; snRNA 5_16166275	3.53	exon
AT2G31200	ACTIN DEPOLYMERIZING FACTOR 6 (AI	Encodes actin c 2_13293863	3.53	promoter
AT1G05610	ADP-GLUCOSE PYROPHOSPHORYLASI	Encodes the srr 1_1676292	3.53	promoter
AT2G45880	BETA-AMYLASE 7 (BAM7)	Encodes a beta 2_18878469	3.53	downstream
AT2G01950	BRI1-LIKE 2 (BRL2)	Encodes a leuci 2_439318	3.53	intergenic
AT1G52827	CADMIUM TOLERANCE 1 (CDT1)	Cysteine-rich pr 1_19672005	3.53	promoter
AT1G20450	EARLY RESPONSIVE TO DEHYDRATION	Encodes a gene 1_7089188	3.53	five_prime_UTR
AT1G34550	EMBRYO DEFECTIVE 2756 (EMB2756)	EMBRYO DEFE 1_12651063	3.53	intron
AT4G13494	MICRORNA863A (MIR863A)	Encodes a micr 4_7847019	3.53	downstream
AT3G16010	na	Pentatricopeptic 3_5433948	3.53	promoter
AT4G14730	na	Bax inhibitor-1 f 4_8448309	3.53	promoter
AT3G17110	na	pseudogene, gl 3_5837288	3.53	proximal promoter
AT5G06370	na	NC domain-con 5_1948610	3.53	five_prime_UTR
AT2G45870	na	Bestrophin-like j 2_18878469	3.53	intergenic
AT1G19020	na	unknown proteir 1_6568024	3.53	promoter
AT1G72270	na	CONTAINS Inte 1_27211240	3.53	promoter
AT1G74320	na	encodes a chol 1_27940782	3.53	five_prime_UTR
AT1G76520	na	Auxin efflux cari 1_28715194	3.53	five_prime_UTR
AT2G01220	na	Nucleotidyl tra 2_123123	3.53	promoter
AT2G21220	na	SAUR-like auxir 2_9088047	3.53	proximal promoter
AT3G13120	na	Ribosomal prote 3_4221823	3.53	promoter
AT3G50685	na	unknown proteir 3_18834893	3.53	promoter
AT3G52527	na	transposable elk 3_19478106	3.53	exon
AT3G50690	na	Leucine-rich ref 3_18834893	3.53	downstream
AT4G21910	na	MATE efflux fan 4_11628834	3.53	intron
AT4G17900	na	PLATZ transcrip 4_9943501	3.53	proximal promoter
AT5G19090	na	Heavy metal tra 5_6387597	3.53	five_prime_UTR
AT5G14830	na	transposable elk 5_4796802	3.53	intron
AT5G61090	na	Polynucleotidyl 5_24578211	3.53	promoter

AT3G04070	NAC DOMAIN CONTAINING PROTEIN 47	NAC domain co 3_1063975	3.53	proximal promoter
AT5G08740	NAD(P)H DEHYDROGENASE C1 (NDC1)	NAD(P)H dehyd 5_2851462	3.53	promoter
AT1G31330	PHOTOSYSTEM I SUBUNIT F (PSAF)	Encodes subun 1_11216042	3.53	promoter
AT1G58470	RNA-BINDING PROTEIN 1 (RBP1)	encodes an RN 1_21724910	3.53	proximal promoter
AT2G26570	WEAK CHLOROPLAST MOVEMENT UN1	Encodes a colle 2_11298151	3.53	proximal promoter
AT3G52310	ATP-BINDING CASSETTE G27 (ABCG27)	ABC-2 type tran 3_19399044	3.52	intron
AT5G41410	BELL 1 (BEL1)	Homeodomain f 5_16581788	3.52	intron
AT5G54590	CALCIUM/CALMODULIN-REGULATED R	Splice variant A 5_22179113	3.52	proximal promoter
AT1G17455	ELF4-LIKE 4 (ELF4-L4)	ELF4-like 4 (ELI 1_5998681	3.52	downstream
AT1G30040	GIBBERELLIN 2-OXIDASE (GA2OX2)	Encodes a gibb 1_10537336	3.52	promoter
AT1G28300	LEAFY COTYLEDON 2 (LEC2)	Transcription fa 1_9896169	3.52	intergenic
AT1G12805	na	nucleotide bindi 1_4367167	3.52	downstream
AT1G12810	na	proline-rich fami 1_4367167	3.52	promoter
AT3G52302	na	This gene encod 3_19399044	3.52	promoter
AT2G26780	na	ARM repeat sup 2_11409832	3.52	promoter
AT1G15670	na	Galactose oxid 1_5388195	3.52	proximal promoter
AT3G02100	na	UDP-Glycosyltr 3_371293	3.52	proximal promoter
AT3G11285	na	pre-tRNA; tRNA 3_3535061	3.52	promoter
AT3G19000	na	2-oxoglutarate (3_6556048	3.52	proximal promoter
AT3G19002	na	Potential natura 3_6556048	3.52	intergenic
AT3G19010	na	2-oxoglutarate (3_6556048	3.52	downstream
AT5G20840	na	Phosphoinositid 5_7069259	3.52	promoter
AT5G21535	na	transposable elk 5_7234480	3.52	intergenic
AT5G58950	na	Protein kinase s 5_23803813	3.52	promoter
AT4G21680	NITRATE TRANSPORTER 1.8 (NRT1.8)	Encodes a nitra 4_11520438	3.52	proximal promoter
AT3G02110	SERINE CARBOXYPEPTIDASE-LIKE 25	(serine carboxyp 3_371293	3.52	intron
AT1G17460	TRF-LIKE 3 (TRFL3)	Arabidopsis thal 1_5998681	3.52	promoter
AT4G15210	BETA-AMYLASE 5 (BAM5)	cytosolic beta-a 4_8669602	3.51	promoter
AT5G01630	BRCA2-LIKE B (BRCA2B)	Ortholog of bree 5_241224	3.51	promoter
AT1G64980	CADMIUM 2+ INDUCED (CDI)	Encodes a puta 1_24139379	3.51	promoter
AT1G77630	LYSIN-MOTIF (LYSM) DOMAIN PROTEIN	Encodes a lysin 1_29175556	3.51	downstream
AT3G56220	na	transcription rec 3_20857355	3.51	proximal promoter
AT4G01270	na	RING/U-box sup 4_535192	3.51	downstream
AT4G01280	na	Homeodomain-l 4_535192	3.51	promoter
AT5G03490	na	UDP-Glycosyltr 5_872548	3.51	exon
AT5G19025	na	Ribosomal prote 5_6357133	3.51	promoter
AT1G10120	na	basic helix-loop 1_3306283	3.51	five_prime_UTR
AT1G66870	na	Carbohydrate-b 1_24948703	3.51	proximal promoter
AT1G66880	na	Protein kinase s 1_24948703	3.51	intron
AT3G56140	na	Protein of unknc 3_20829249	3.51	promoter
AT3G56130	na	biotin/lipoyl attai 3_20829249	3.51	three_prime_UTR
AT4G29610	na	Cytidine/deoxyc 4_14517271	3.51	promoter
AT5G17000	na	Zinc-binding del 5_5587289	3.51	promoter
AT5G17010	na	Major facilitator 5_5587289	3.51	downstream
AT5G21070	na	unknown proteir 5_7155999	3.51	promoter
AT5G25451	na	Pseudogene of 5_8860061	3.51	proximal promoter
AT1G08380	PHOTOSYSTEM I SUBUNIT O (PSAO)	Encodes subun 1_2641974	3.51	promoter
AT2G24220	PURINE PERMEASE 5 (PUP5)	Member of a far 2_10300043	3.51	promoter
AT3G54990	SCHLAFMUTZE (SMZ)	Encodes a AP2 3_20378242	3.51	proximal promoter
AT2G46330	ARABINOGALACTAN PROTEIN 16 (AGP)	Encodes arabin 2_19019248	3.5	five_prime_UTR
AT3G48560	CHLORSULFURON/IMIDAZOLINONE RE	Catalyzes the fc 3_18003714	3.5	promoter
AT5G27320	GA INSENSITIVE DWARF1C (GID1C)	Encodes a gibb 5_9631421	3.5	downstream
AT3G53950	na	glyoxal oxidase- 3_19976237	3.5	exon
AT1G14518	na	Unknown gene 1_4966001	3.5	intergenic
AT2G46320	na	Mitochondrial st 2_19019248	3.5	intergenic
AT3G13410	na	unknown proteir 3_4364377	3.5	promoter
AT5G57790	na	unknown proteir 5_23415514	3.5	proximal promoter
AT5G18230	na	transcription rec 5_6027224	3.5	five_prime_UTR
AT5G65720	NITROGEN FIXATION S (NIFS)-LIKE 1 (N	Encodes a cyst 5_26296164	3.5	promoter
AT3G05690	NUCLEAR FACTOR Y, SUBUNIT A2 (NF-	Encodes a subu 3_1679251	3.5	promoter
AT5G45130	RAB HOMOLOG 1 (RHA1)	small GTP bindi 5_18244273	3.5	five_prime_UTR
AT5G38470	RADIATION SENSITIVE23D (RAD23D)	Encodes a merr 5_15404524	3.5	promoter
AT3G52590	UBIQUITIN EXTENSION PROTEIN 1 (UBI	Ubiquitin extens 3_19505526	3.5	promoter
AT4G02590	UNFERTILIZED EMBRYO SAC 12 (UNE1	unfertilized emb 4_1137702	3.5	three_prime_UTR
AT3G56400	WRKY DNA-BINDING PROTEIN 70 (WRK	member of WRI 3_20910551	3.5	promoter
AT3G12110	ACTIN-11 (ACT11)	Encodes an act 3_3860025	3.49	downstream
AT2G39350	ATP-BINDING CASSETTE G1 (ABCG1)	ABC-2 type tran 2_16432800	3.49	promoter
AT5G14870	CYCLIC NUCLEOTIDE-GATED CHANNEL	Encodes a merr 5_4811178	3.49	promoter
AT4G37890	EMBRYO SAC DEVELOPMENT ARREST	embryo sac dev 4_17815659	3.49	proximal promoter
AT3G12120	FATTY ACID DESATURASE 2 (FAD2)	Major enzyme r 3_3860025	3.49	intergenic
AT3G01290	HYPERSENSITIVE INDUCED REACTION	SPFH/Band 7/P 3_87912	3.49	downstream
AT4G23060	IQ-DOMAIN 22 (IQD22)	IQ-domain 22 (I 4_12088940	3.49	intron
AT4G31877	MICRORNA156C (MIR156C)	Encodes a micr 4_15415998	3.49	promoter
AT3G11440	MYB DOMAIN PROTEIN 65 (MYB65)	Member of the f 3_3601140	3.49	proximal promoter
AT1G31550	na	GDSL-like Lipas 1_11297491	3.49	promoter
AT1G52310	na	protein kinase f: 1_19478088	3.49	promoter
AT1G63835	na	transposable elk 1_23688605	3.49	intergenic
AT1G74120	na	Mitochondrial tr: 1_27873403	3.49	promoter
AT3G07025	na	pre-tRNA; tRNA 3_2221856	3.49	promoter
AT2G39710	na	Encodes a Cyst 2_16560031	3.49	intergenic
AT3G26085	na	CAAX amino ter 3_9532628	3.49	downstream
AT3G25700	na	Eukaryotic aspa 3_9363796	3.49	intergenic
AT3G56590	na	hydroxyproline-i 3_20964252	3.49	proximal promoter
AT3G57400	na	unknown proteir 3_21241460	3.49	intergenic
AT4G37895	na	Potential natura 4_17815659	3.49	intergenic
AT4G35870	na	early-responsivi 4_16992958	3.49	downstream
AT4G35880	na	Eukaryotic aspa 4_16992958	3.49	promoter
AT5G16340	na	AMP-dependen 5_5350216	3.49	exon
AT5G51380	na	RNI-like superfe 5_20875822	3.49	promoter
AT3G26090	REGULATOR OF G-PROTEIN SIGNALIN	Encodes AtRG 3_9532628	3.49	promoter
AT3G51830	SAC DOMAIN-CONTAINING PROTEIN 8	putative trans 3_19220016	3.49	promoter
AT1G78870	UBIQUITIN-CONJUGATING ENZYME 35	UBC35/UBC13/ 1_29650275	3.49	promoter
AT4G30200	VERNALIZATIONS/VIN3-LIKE 1 (VEL1)	Encodes a prot 4_14792450	3.49	proximal promoter
AT3G57410	VILLIN 3 (VLN3)	Encodes a prot 3_21241460	3.49	intergenic

AT3G01280	VOLTAGE DEPENDENT ANION CHANNEL	Encodes a volta	3_87912	3.49	downstream
AT2G46720	3-KETOACYL-COA SYNTHASE 13 (KCS1)	Encodes KCS1	2_19200346	3.48	downstream
AT3G30180	BRASSINOSTEROID-6-OXIDASE 2 (BR6)	Encodes a cyto	3_11802388	3.48	intergenic
AT1G29930	CHLOROPHYLL A/B BINDING PROTEIN	Subunit of light-	1_10477849	3.48	promoter
AT5G05690	CONSTITUTIVE PHOTOMORPHOGENIC	Encodes a merr	5_1706689	3.48	exon
AT3G19270	CYTOCHROME P450, FAMILY 707, SUBF	Encodes a prote	3_6673600	3.48	downstream
AT2G18020	EMBRYO DEFECTIVE 2296 (EMB2296)	embryo defecti	2_7837016	3.48	promoter
AT2G42280	FLOWERING BHLH 4 (FBH4)	basic helix-loop	2_17613551	3.48	promoter
AT3G19260	LAG1 HOMOLOGUE 2 (LOH2)	LAG1 homolog	3_6673600	3.48	proximal promoter
AT4G32551	LEUNIG (LUG)	LEUNIG regulat	4_15713763	3.48	downstream
AT1G07900	LOB DOMAIN-CONTAINING PROTEIN 1	LOB domain-co	1_2443657	3.48	downstream
AT4G30410	na	sequence-speci	4_14873672	3.48	proximal promoter
AT1G04425	na	other RNA	1_1193976	3.48	promoter
AT1G23040	na	hydroxyproline-i	1_8166549	3.48	intergenic
AT1G71110	na	unknown proteir	1_26817520	3.48	proximal promoter
AT5G51740	na	Peptidase famil	5_21016705	3.48	promoter
AT2G42240	na	RNA-binding (R	2_17596740	3.48	promoter
AT4G23470	na	PLAC8 family pr	4_12249080	3.48	five_prime_UTR
AT5G28410	na	unknown proteir	5_10356784	3.48	proximal promoter
AT1G07901	na	unknown proteir	1_2443657	3.48	intergenic
AT1G10660	na	unknown proteir	1_3532377	3.48	promoter
AT1G29500	na	SAUR-like auxir	1_10320966	3.48	promoter
AT1G62190	na	Kua-ubiquitin cc	1_22980386	3.48	proximal promoter
AT2G46730	na	pseudogene, sir	2_19200346	3.48	proximal promoter
AT3G03920	na	H/ACA ribonucl	3_1010591	3.48	promoter
AT1G79640	na	Protein kinase s	1_29972210	3.48	proximal promoter
AT3G14172	na	FUNCTIONS IN	3_4705828	3.48	promoter
AT3G05910	na	Pectinacetyllest	3_1767625	3.48	promoter
AT4G25433	na	peptidoglycan-b	4_13000679	3.48	intergenic
AT4G32560	na	paramyosin-rela	4_15713763	3.48	intron
AT5G05550	na	sequence-speci	5_1640828	3.48	promoter
AT5G12890	na	UDP-Glycosyltr	5_4071288	3.48	promoter
AT5G12900	na	unknown proteir	5_4071288	3.48	intergenic
AT5G38400	na	unknown proteir	5_15377095	3.48	intergenic
AT5G50500	na	GDSL-like Lipas	5_22335858	3.48	proximal promoter
AT4G29230	NAC DOMAIN CONTAINING PROTEIN 7	NAC domain co	4_14408958	3.48	proximal promoter
AT1G37130	NITRATE REDUCTASE 2 (NIA2)	Identified as a	n 1_14158524	3.48	promoter
AT1G79650	RADIATION SENSITIVE23B (RAD23B)	Encodes a merr	1_29972210	3.48	three_prime_UTR
AT5G38410	RUBISCO SMALL SUBUNIT 3B (RBCS3B)	Encodes a merr	5_15377095	3.48	downstream
AT3G07880	SUPERCENTIPEDE1 (SCN1)	SUPERCENTIP	3_2513955	3.48	promoter
AT4G20890	TUBULIN BETA-9 CHAIN (TUB9)	tubulin 9	4_11182062	3.48	promoter
AT1G51710	UBIQUITIN-SPECIFIC PROTEASE 6 (UBF	Ubiquitin-specifi	1_19180044	3.48	promoter
AT5G14060	(CARAB-AK-LYS)	lysine-sensitive	5_4535416	3.47	five_prime_UTR
AT1G77180	(SKIP)	Encodes a puta	1_29002179	3.47	promoter
AT4G18600	(WAVES)	Encodes a merr	4_10247566	3.47	promoter
AT2G34690	ACCELERATED CELL DEATH 11 (ACD11)	Gene product tr	2_14630210	3.47	promoter
AT4G00730	ANTHOCYANINLESS 2 (ANL2)	Encodes a hom	4_307544	3.47	intergenic
AT3G10570	CYTOCHROME P450, FAMILY 77, SUBF	member of CYP	3_3301970	3.47	promoter
AT3G21550	DUF679 DOMAIN MEMBRANE PROTEIN	DUF679 domair	3_7593232	3.47	proximal promoter
AT3G23400	FIBRILLIN 4 (FIB4)	Encodes FIBRI	3_8376539	3.47	three_prime_UTR
AT3G28340	GALACTURONOSYLTRANSFERASE-LIK	Encodes a prote	3_10590590	3.47	promoter
AT1G22770	GIGANTEA (GI)	Together with C	1_8061799	3.47	promoter
AT2G23770	LYSM-CONTAINING RECEPTOR-LIKE KI	protein kinase fr	2_10118753	3.47	intergenic
AT1G49032	na	unknown proteir	1_18138859	3.47	three_prime_UTR
AT1G62780	na	unknown proteir	1_23251276	3.47	promoter
AT1G73120	na	unknown proteir	1_27498179	3.47	promoter
AT5G64780	na	Uncharacterise	5_25902104	3.47	five_prime_UTR
AT4G01340	na	CHP-rich zinc fi	4_556669	3.47	exon
AT1G49850	na	RING/U-box suj	1_18456620	3.47	promoter
AT1G63480	na	AT hook motif D	1_23543451	3.47	proximal promoter
AT1G68735	na	Encodes a defe	1_25812180	3.47	intron
AT1G75295	na	Potential natura	1_28258662	3.47	proximal promoter
AT1G77190	na	pre-tRNA; tRNA	1_29002179	3.47	downstream
AT1G25570	na	Di-glucose bindi	1_8991264	3.47	intergenic
AT3G09030	na	BTB/POZ doma	3_2754756	3.47	promoter
AT2G28200	na	C2H2-type zinc	2_12025495	3.47	downstream
AT3G23390	na	Zinc-binding rib	3_8376539	3.47	downstream
AT3G46370	na	Leucine-rich re	3_17050748	3.47	proximal promoter
AT3G43720	na	Bifunctional inhi	3_15616139	3.47	intron
AT4G02010	na	Protein kinase s	4_880898	3.47	promoter
AT4G02530	na	chloroplast thyle	4_1114484	3.47	promoter
AT4G17100	na	EXPRESSED IN	4_9609188	3.47	intergenic
AT4G17098	na	Potential natura	4_9609188	3.47	intron
AT5G14050	na	Transducin/WD	5_4535416	3.47	downstream
AT4G37553	na	Potential natura	4_17649244	3.47	promoter
AT5G51340	na	Tetrapeptide	5_20862918	3.47	promoter
AT4G00740	QUASIMODO 3 (QUA3)	Encodes a Golc	4_307544	3.47	three_prime_UTR
AT3G05210	(ERCC1)	encodes a hom	3_1483950	3.46	intergenic
AT1G77850	AUXIN RESPONSE FACTOR 17 (ARF17)	Posttranscriptio	1_29272199	3.46	promoter
AT5G56870	BETA-GALACTOSIDASE 4 (BGAL4)	beta-galactosid	5_23004114	3.46	promoter
AT4G11050	GLYCOSYL HYDROLASE 9C3 (GH9C3)	glycosyl hydrola	4_6753041	3.46	proximal promoter
AT3G19260	LAG1 HOMOLOGUE 2 (LOH2)	LAG1 homolog	3_6672376	3.46	proximal promoter
AT1G27920	MICROTUBULE-ASSOCIATED PROTEIN	microtubule-ass	1_9725483	3.46	proximal promoter
AT3G01530	MYB DOMAIN PROTEIN 57 (MYB57)	Member of the f	3_210391	3.46	exon
AT5G59780	MYB DOMAIN PROTEIN 59 (MYB59)	Encodes a puta	5_24085951	3.46	proximal promoter
AT3G12700	na	Eukaryotic aspa	3_4035384	3.46	proximal promoter
AT1G14710	na	hydroxyproline-i	1_5065131	3.46	five_prime_UTR
AT1G29070	na	Ribosomal prote	1_10149741	3.46	promoter
AT1G29060	na	Target SNARE	1_10149741	3.46	downstream
AT1G30320	na	Remorin family	1_10680027	3.46	promoter
AT3G01316	na	snoRNA; snoRt	3_105252	3.46	promoter
AT1G76878	na	Potential natura	1_28869606	3.46	proximal promoter
AT3G13275	na	unknown proteir	3_4289891	3.46	promoter
AT3G22540	na	Protein of unkn	3_7986424	3.46	proximal promoter

AT3G01520	na	Adenine nucleoi	3_210391	3.46	intergenic
AT3G08610	na	unknown proteir	3_2616881	3.46	promoter
AT3G56050	na	Protein kinase f	3_20802774	3.46	proximal promoter
AT3G56060	na	Glucose-methar	3_20802774	3.46	intergenic
AT3G62490	na	transposable elk	3_23116425	3.46	proximal promoter
AT4G32340	na	Tetratricopeptid	4_15614300	3.46	five_prime_UTR
AT5G08190	NUCLEAR FACTOR Y, SUBUNIT B12 (NF	nuclear factor Y	5_2635888	3.46	promoter
AT3G55330	PSBP-LIKE PROTEIN 1 (PPL1)	PsbP-like protei	3_20515521	3.46	promoter
AT4G14220	RING-H2 GROUP F1A (RHF1A)	encodes a RINC	4_8195693	3.46	promoter
AT1G58100	TCP DOMAIN PROTEIN 8 (TCP8)	Encodes TCP8,	1_21513945	3.46	five_prime_UTR
AT3G53540	TON1 RECRUITING MOTIF 19 (TRM19)	unknown proteir	3_19851075	3.46	promoter
AT1G78690	(At1g78690p)	Encodes a lysor	1_29596565	3.45	promoter
AT1G01520	ALTERED SEED GERMINATION 4 (ASG	Homeodomain-l	1_190414	3.45	promoter
AT5G04930	AMINOPHOSPHOLIPID ATPASE 1 (ALA1	Encodes a puta	5_1444948	3.45	five_prime_UTR
AT1G01510	ANGUSTIFOLIA (AN)	Encodes a hom	1_190414	3.45	intergenic
AT1G19800	ATP-BINDING CASSETTE I14 (ABC114)	Encodes a perr	1_6844964	3.45	proximal promoter
AT5G61900	BONZAI 1 (BON1)	Encodes a plasi	5_24859340	3.45	five_prime_UTR
AT3G28740	CYTOCHROME P450, FAMILY 81, SUBF	Encodes a merr	3_10790744	3.45	promoter
AT3G03470	CYTOCHROME P450, FAMILY 87, SUBF	member of CYP	3_826633	3.45	promoter
AT2G45420	LOB DOMAIN-CONTAINING PROTEIN 1E	LOB domain-co	2_18717525	3.45	proximal promoter
AT5G66850	MITOGEN-ACTIVATED PROTEIN KINASE	member of MEK	5_26700799	3.45	proximal promoter
AT3G09480	na	Histone superfa	3_2915442	3.45	promoter
AT3G09470	na	Major facilitator	3_2915442	3.45	proximal promoter
AT3G19790	na	unknown proteir	3_6875996	3.45	promoter
AT3G19800	na	Protein of unkn	3_6875996	3.45	promoter
AT3G50030	na	ARM-repeat/Tet	3_18546616	3.45	exon
AT5G18650	na	CHY-type/CTC	5_6216802	3.45	proximal promoter
AT1G14580	na	C2H2-like zinc	f_1_4987679	3.45	proximal promoter
AT5G28300	na	Duplicated hom	5_10295789	3.45	proximal promoter
AT5G14230	na	CONTAINS Inte	5_4589609	3.45	proximal promoter
AT1G56233	na	Encodes a defe	1_21051759	3.45	proximal promoter
AT1G69860	na	Major facilitator	1_26306732	3.45	proximal promoter
AT2G37160	na	Transducin/WD	2_15608682	3.45	promoter
AT1G29160	na	Dof-type zinc	fir_1_10182892	3.45	intergenic
AT2G26730	na	Leucine-rich re	2_11391441	3.45	three_prime_UTR
AT3G03460	na	unknown proteir	3_826633	3.45	proximal promoter
AT3G23760	na	FUNCTIONS IN	3_8562703	3.45	downstream
AT4G19150	na	Ankyrin repeat	f_4_10474129	3.45	proximal promoter
AT4G34180	na	Cyclase family	r_4_16371438	3.45	promoter
AT5G05830	na	RING/FYVE/PH	5_1755738	3.45	promoter
AT5G15500	na	Ankyrin repeat	f_5_5033701	3.45	promoter
AT5G22608	na	unknown proteir	5_7512965	3.45	promoter
AT5G61910	na	DCD (Developn	5_24859340	3.45	five_prime_UTR
AT1G29150	NON-ATPASE SUBUNIT 9 (ATS9)	specifically inter	1_10182892	3.45	downstream
AT1G48480	RECEPTOR-LIKE KINASE 1 (RKL1)	Arabidopsis thal	1_17917657	3.45	proximal promoter
AT3G08710	THIOREDOXIN H-TYPE 9 (TH9)	Associated to pl	3_2645159	3.45	promoter
AT3G15360	THIOREDOXIN M-TYPE 4 (TRX-M4)	encodes a prok	3_5188341	3.45	promoter
AT2G37260	TRANSPARENT TESTA GLABRA 2 (TTG	Encodes a prote	2_15644701	3.45	promoter
AT2G22500	UNCOUPLING PROTEIN 5 (UCP5)	Encodes one of	2_9562951	3.45	intergenic
AT5G11100	(SYTD)	SYTD; FUNCTI	5_3531450	3.44	proximal promoter
AT5G05730	ANTHRANILATE SYNTHASE ALPHA SUE	ASA1 encodes	5_1722993	3.44	promoter
AT1G79110	BOI-RELATED GENE 2 (BRG2)	Encodes one of	1_29762806	3.44	intergenic
AT3G03220	EXPANSIN A13 (EXPA13)	member of Alph	3_744125	3.44	promoter
AT5G17020	EXPORTIN 1A (XPO1A)	Encodes a merr	5_5594731	3.44	intron
AT3G13810	INDETERMINATE(ID)-DOMAIN 11 (IDD11	indeterminate(IL	3_4544165	3.44	promoter
AT5G64813	LIGHT INSENSITIVE PERIOD1 (LIP1)	The LIP1 gene	5_25910180	3.44	promoter
AT2G21180	na	unknown proteir	2_9074833	3.44	three_prime_UTR
AT1G09690	na	Translation prot	1_3137635	3.44	promoter
AT1G14650	na	SWAP (Suppre	1_5027604	3.44	promoter
AT1G14780	na	MAC/Perforin d	1_5091548	3.44	exon
AT1G76405	na	unknown proteir	1_28661798	3.44	promoter
AT1G80950	na	Phospholipid/gh	1_30415242	3.44	promoter
AT2G33550	na	Homeodomain-l	2_14211525	3.44	five_prime_UTR
AT3G28940	na	AIG2-like (aviru	3_10969379	3.44	five_prime_UTR
AT3G12700	na	Eukaryotic aspa	3_4038113	3.44	intron
AT3G55050	na	Protein phosph	3_20402515	3.44	intron
AT3G59680	na	unknown proteir	3_22043968	3.44	promoter
AT4G22770	na	AT hook motif	D_4_11964802	3.44	intron
AT4G34110	POLY(A) BINDING PROTEIN 2 (PAB2)	Putative poly-A	4_16336233	3.44	promoter
AT1G10470	RESPONSE REGULATOR 4 (ARR4)	Encodes a two-	1_3442560	3.44	three_prime_UTR
AT3G58040	SEVEN IN ABSENTIA OF ARABIDOPSIS	Encodes a RINC	3_21488497	3.44	promoter
AT4G34640	SQUALENE SYNTHASE 1 (SQS1)	Encodes squal	4_16542244	3.44	intergenic
AT4G34650	SQUALENE SYNTHASE 2 (SQS2)	Encodes a prote	4_16542244	3.44	promoter
AT5G08150	SUPPRESSOR OF PHYTOCHROME B 5	Encodes SOB5.	5_2625412	3.44	proximal promoter
AT1G03110	TRNA MODIFICATION 82 (TRM82)	Encodes a gene	1_749138	3.44	promoter
AT1G52340	ABA DEFICIENT 2 (ABA2)	Encodes a cyto	1_19491004	3.43	intron
AT1G80070	ABNORMAL SUSPENSOR 2 (SUS2)	a genetic locus	1_30117730	3.43	promoter
AT3G60620	CYTIDINEDIPHOSPHATE DIACYLGLYCE	cytidinediphospi	3_22406318	3.43	promoter
AT4G12400	HOP3 (Hop3)	Encodes one of	4_7341469	3.43	promoter
AT1G51760	IAA-ALANINE RESISTANT 3 (IAR3)	encodes a mem	1_19198751	3.43	proximal promoter
AT4G30064	LOW-MOLECULAR-WEIGHT CYSTEINE-	Encodes a merr	4_14694567	3.43	exon
AT5G58465	MICRORNA390B (MIR390B)	Encodes a micr	5_23636367	3.43	proximal promoter
AT1G31358	MICRORNA404 (MIR404)	Encodes a micr	1_11231219	3.43	proximal promoter
AT3G27820	MONODEHYDROASCORBATE REDUCT	Encodes a pero	3_10315025	3.43	promoter
AT2G35795	na	Chaperone Dna	2_15043503	3.43	three_prime_UTR
AT5G39530	na	Protein of unkn	5_15827746	3.43	five_prime_UTR
AT2G41750	na	DTW domain-cc	2_17422536	3.43	promoter
AT1G01210	na	DNA-directed R	1_88773	3.43	promoter
AT1G49130	na	B-box type zinc	1_18176504	3.43	promoter
AT1G49140	na	Complex I subu	1_18176504	3.43	intergenic
AT1G68680	na	unknown proteir	1_25785327	3.43	promoter
AT1G75460	na	ATP-dependent	1_28327566	3.43	promoter
AT1G79710	na	Major facilitator	1_29994904	3.43	promoter
AT1G80060	na	Ubiquitin-like	su_1_30117730	3.43	promoter

AT3G06433	na	pseudogene of i	3_1959953	3.43	intron
AT3G45210	na	Protein of unknc	3_16557155	3.43	downstream
AT3G62570	na	Tetrapeptide	3_23142492	3.43	five_prime_UTR
AT3G62010	na	unknown proteir	3_22963909	3.43	proximal promoter
AT4G12405	na	pre-tRNA; tRNA	4_7341469	3.43	exon
AT5G03140	na	Concanavalin A	5_737464	3.43	downstream
AT5G57480	na	P-loop containir	5_23281341	3.43	promoter
AT4G39580	na	Galactose oxidz	4_18387050	3.43	promoter
AT5G03130	na	unknown proteir	5_737464	3.43	intergenic
AT5G51055	na	pre-tRNA; tRNA	5_20756313	3.43	promoter
AT5G56960	na	basic helix-loop	5_23038021	3.43	intergenic
AT2G41850	na	POLYGALACTURONASE ABCISSION Z ADPG2.	2_17465004	3.43	proximal promoter
AT2G20140	REGULATORY PARTICLE AAA-ATPASE	Encodes one of	2_8692570	3.43	promoter
AT2G35800	S-ADENOSYL METHIONINE TRANSPOR	Encodes a pred	2_15043503	3.43	proximal promoter
AT5G01820	SERINE/THREONINE PROTEIN KINASE	Encodes a CBL	5_315222	3.43	promoter
AT3G01390	VACUOLAR MEMBRANE ATPASE 10 (V)	Subunit G of the	3_151575	3.43	promoter
AT5G24380	YELLOW STRIPE LIKE 2 (YSL2)	closest Arabidop	5_8323427	3.43	promoter
AT2G32930	ZINC FINGER NUCLEASE 2 (ZFN2)	Encodes a zinc	2_13969082	3.43	promoter
AT2G21590	(APL4)	Encodes the lar	2_9238266	3.42	promoter
AT1G31860	(AT-IE)	encodes a bifun	1_11436664	3.42	promoter
AT4G34250	3-KETOACYL-COA SYNTHASE 16 (KCS1)	Encodes KCS1	4_16396698	3.42	downstream
AT4G11080	3XHIGH MOBILITY GROUP-BOX1 (3xHM)	Encodes a prote	4_6763699	3.42	promoter
AT5G10860	CBS DOMAIN CONTAINING PROTEIN 3	Encodes a singl	5_3427975	3.42	intergenic
AT5G45390	CLP PROTEASE P4 (CLPP4)	One of several	5_18396250	3.42	promoter
AT5G36120	COFACTOR ASSEMBLY, COMPLEX C (E	cofactor assem	5_14199228	3.42	five_prime_UTR
AT5G10840	ENDOMEMBRANE PROTEIN 1 (EMP1)	Endomembrane	5_3427975	3.42	promoter
AT1G56600	GALACTINOL SYNTHASE 2 (GolS2)	GolS2 is a galac	1_21206337	3.42	proximal promoter
AT1G65040	HOMOLOG OF YEAST HRD1 (Hrd1B)	Encodes one of	1_24163768	3.42	promoter
AT1G68460	ISOPENTENYLTRANSFERASE 1 (IPT1)	Encodes a puta	1_25666864	3.42	intergenic
AT5G53760	MILDEW RESISTANCE LOCUS O 11 (ML	A member of a	5_21820743	3.42	proximal promoter
AT5G17795	na	This gene encod	5_5875137	3.42	exon
AT1G32710	na	Cytochrome c o	1_11832994	3.42	promoter
AT1G31870	na	unknown proteir	1_11436664	3.42	promoter
AT1G80130	na	Tetrapeptide	1_30143520	3.42	proximal promoter
AT1G80133	na	unknown proteir	1_30143520	3.42	downstream
AT2G21580	na	Ribosomal prote	2_9238266	3.42	intergenic
AT2G22720	na	SPT2 chromatin	2_9657452	3.42	intron
AT3G01980	na	NAD(P)-binding	3_329011	3.42	five_prime_UTR
AT3G15120	na	P-loop containir	3_5095958	3.42	promoter
AT5G64270	na	splicing factor,	5_25706504	3.42	promoter
AT5G53460	NADH-DEPENDENT GLUTAMATE SYNT	NADH-depende	5_21700280	3.42	intron
AT3G19840	PRE-MRNA-PROCESSING PROTEIN 40C	Binds the carbo	3_6890831	3.42	promoter
AT5G37260	REVEILLE 2 (RVE2)	Encodes a MYE	5_14753281	3.42	promoter
AT3G56850	ABA-RESPONSIVE ELEMENT BINDING F	Encodes an AB.	3_21048521	3.41	promoter
AT2G28470	BETA-GALACTOSIDASE 8 (BGAL8)	putative beta-g	2_12175611	3.41	proximal promoter
AT5G65940	BETA-HYDROXYISOBUTYRYL-COA HYD	hydrolyzes beta	5_26380167	3.41	proximal promoter
AT5G44800	CHROMATIN REMODELING 4 (CHR4)	chromatin remo	5_18093597	3.41	promoter
AT5G12170	CRT (CHLOROQUINE-RESISTANCE TR	Encodes one of	5_3932548	3.41	intron
AT3G47500	CYCLING DOF FACTOR 3 (CDF3)	Dof-type zinc fir	3_17504077	3.41	three_prime_UTR
AT5G08170	EMBRYO DEFECTIVE 1873 (EMB1873)	EMBRYO DEFE	5_2631336	3.41	promoter
AT4G34200	EMBRYO SAC DEVELOPMENT ARREST	embryo sac dev	4_16376645	3.41	promoter
AT3G20770	ETHYLENE-INSENSITIVE3 (EIN3)	Encodes EIN3	(3_7260359	3.41	downstream
AT2G30470	HIGH-LEVEL EXPRESSION OF SUGAR-I	HSI2 is a memb	2_12987307	3.41	proximal promoter
AT1G10210	MITOGEN-ACTIVATED PROTEIN KINASE	Encodes ATPM	1_3347838	3.41	proximal promoter
AT2G41730	na	unknown proteir	2_17409598	3.41	exon
AT2G30480	na	unknown proteir	2_12987307	3.41	three_prime_UTR
AT1G25420	na	Regulator of Vp	1_8915990	3.41	promoter
AT4G19520	na	disease resistar	4_10648234	3.41	proximal promoter
AT5G59700	na	Protein kinase s	5_24051484	3.41	intergenic
AT5G59690	na	Histone superfa	5_24051484	3.41	promoter
AT3G20760	na	Nse4, compone	3_7260359	3.41	proximal promoter
AT2G28480	na	RNA-binding Cf	2_12175611	3.41	intergenic
AT2G32795	na	Unknown gene	2_13911777	3.41	intergenic
AT3G44630	na	Disease resistai	3_16195885	3.41	promoter
AT3G44620	na	protein tyrosine	3_16195885	3.41	downstream
AT3G59150	na	F-box/RNI-like	3_21872640	3.41	promoter
AT5G11000	na	Plant protein of	5_3480598	3.41	promoter
AT5G59000	na	RING/FYVE/PH	5_23817679	3.41	proximal promoter
AT5G65950	na	FUNCTIONS IN	5_26380167	3.41	five_prime_UTR
AT1G03060	SPIRRIG (SPI)	Encodes a WD/	1_728286	3.41	proximal promoter
AT3G15990	SULFATE TRANSPORTER 3;4 (SULTR3;	Encodes sulfate	3_5427612	3.41	intron
AT2G02180	TOBAMOVIRUS MULTIPLICATION PROT	Necessary for t	2_559871	3.41	proximal promoter
AT3G12060	TRICHOME BIREFRINGENCE-LIKE 1 (TE	Encodes a merr	3_3842946	3.41	promoter
AT3G56860	UBP1-ASSOCIATED PROTEIN 2A (UBA2	encodes a nuck	3_21048521	3.41	downstream
AT1G10200	WLIM1 (WLIM1)	Encodes a merr	1_3347838	3.41	five_prime_UTR
AT1G28320	(DEG15)	Mutants in this	1_9924479	3.4	five_prime_UTR
AT5G47370	(HAT2)	homeobox-leuci	5_19216457	3.4	three_prime_UTR
AT1G59590	(ZCF37)	ZCF37 mRNA,	1_21886945	3.4	proximal promoter
AT2G03730	ACT DOMAIN REPEAT 5 (ACR5)	Member of a srr	2_1137485	3.4	downstream
AT5G11160	ADENINE PHOSPHORIBOSYLTRANSFER	adenine phosph	5_3552960	3.4	intergenic
AT4G21940	CALCIUM-DEPENDENT PROTEIN KINASE	member of Calc	4_11640324	3.4	promoter
AT3G14690	CYTOCHROME P450, FAMILY 72, SUBF	putative cytochr	3_4937160	3.4	promoter
AT4G33010	GLYCINE DECARBOXYLASE P-PROTEIN	glycine decarbo	4_15931326	3.4	five_prime_UTR
AT5G11170	HOMOLOG OF HUMAN UAP56 A (UAP56	DEAD/DEAH bc	5_3552960	3.4	promoter
AT2G37380	MEMBRANE-ASSOCIATED KINASE REG	Encodes a merr	2_15683445	3.4	intergenic
AT1G19460	na	Galactose oxidz	1_6737952	3.4	proximal promoter
AT1G20250	na	pre-tRNA; tRNA	1_7016483	3.4	promoter
AT3G53611	na	This gene encod	3_19878608	3.4	exon
AT1G05390	na	pre-tRNA; tRNA	1_1583865	3.4	promoter
AT1G47980	na	unknown proteir	1_17695621	3.4	proximal promoter
AT2G04378	na	Beta-galactosid.	2_1526818	3.4	five_prime_UTR
AT2G04380	na	unknown proteir	2_1526818	3.4	downstream
AT2G04390	na	Ribosomal S17	2_1526818	3.4	promoter
AT1G21010	na	unknown proteir	1_7343975	3.4	proximal promoter

AT1G72510	na	Protein of unknc 1_27301211	3.4	proximal promoter
AT3G21330	na	basic helix-loop 3_7505122	3.4	proximal promoter
AT3G12700	na	Eukaryotic aspa 3_4039223	3.4	downstream
AT4G01455	na	pre-tRNA; tRNA 4_612260	3.4	promoter
AT4G16563	na	Eukaryotic aspa 4_9332917	3.4	proximal promoter
AT4G21926	na	unknown proteir 4_11640324	3.4	promoter
AT4G21930	na	Protein of unknc 4_11640324	3.4	exon
AT5G08200	na	peptidoglycan-b 5_2637543	3.4	promoter
AT5G47360	na	Tetratricopeptid 5_19216457	3.4	proximal promoter
AT5G50915	na	basic helix-loop 5_20713049	3.4	proximal promoter
AT5G08190	NUCLEAR FACTOR Y, SUBUNIT B12 (NF	nuclear factor Y 5_2637543	3.4	downstream
AT5G02190	PROMOTION OF CELL SURVIVAL 1 (PC	encodes an asp 5_434259	3.4	proximal promoter
AT3G53610	RAB GTPASE HOMOLOG 8 (RAB8)	GTPase AtRAB 3_19878608	3.4	promoter
AT4G35800	RNA POLYMERASE II LARGE SUBUNIT	Encodes the un 4_16968200	3.4	promoter
AT3G22680	RNA-DIRECTED DNA METHYLATION 1 (	Encodes RNA-[3_8019610	3.4	promoter
AT1G20260	V-ATPASE B SUBUNIT 3 (VAB3)	One of three qe 1_7016483	3.4	promoter
AT4G39210	(APL3)	Encodes the lar 4_18259483	3.39	promoter
AT3G51970	ACYL-COA STEROL ACYL TRANSFERA	acyl-CoA sterol 3_19284381	3.39	five_prime_UTR
AT3G25780	ALLENE OXIDE CYCLASE 3 (AOC3)	Encodes allene 3_9409049	3.39	promoter
AT3G22890	ATP SULFURYLASE 1 (APS1)	encodes ATP s1 3_8111200	3.39	proximal promoter
AT1G32500	ATP-BINDING CASSETTE I7 (ABC17)	Encodes a merr 1_11749902	3.39	three_prime_UTR
AT3G51960	BASIC LEUCINE ZIPPER 24 (BZIP24)	bZIP transcriptic 3_19284381	3.39	promoter
AT3G57180	BRASSINAZOLE(BRZ) INSENSITIVE PAL	BRASSINAZOL 3_21166288	3.39	promoter
AT4G11920	CELL CYCLE SWITCH PROTEIN 52 A2 (	Encodes a puta 4_7163512	3.39	promoter
AT5G67260	CYCLIN D3;2 (CYCD3;2)	Encode CYCD3 5_26838116	3.39	intergenic
AT5G67190	DREB AND EAR MOTIF PROTEIN 2 (DE	encodes a mem 5_26811231	3.39	proximal promoter
AT1G32490	ENHANCED SILENCING PHENOTYPE 3	Encodes a hom 1_11749902	3.39	promoter
AT5G05740	ETHYLENE-DEPENDENT GRAVITROPIS	S2P-like putativ 5_1727209	3.39	promoter
AT2G44150	HISTONE-LYSINE N-METHYLTRANSFER	Encodes a prot 2_18258464	3.39	promoter
AT5G06300	LONELY GUY 7 (LOG7)	Putative lysine c 5_1924623	3.39	intron
AT1G22610	na	C2 calcium/lipid 1_7993966	3.39	promoter
AT2G14790	na	transposable elk 2_6346356	3.39	proximal promoter
AT1G29160	na	Dof-type zinc fir 1_10184446	3.39	promoter
AT1G63640	na	P-loop nucleosir 1_23596004	3.39	promoter
AT2G44140	na	Peptidase famili 2_18258464	3.39	promoter
AT3G27865	na	snoRNA; snoRt 3_10328346	3.39	promoter
AT3G46850	na	Subtilase family 3_17255429	3.39	proximal promoter
AT3G53430	na	Ribosomal prot 3_19810614	3.39	promoter
AT4G16162	na	Leucine-rich rep 4_9161694	3.39	promoter
AT4G25400	na	basic helix-loop 4_12979775	3.39	proximal promoter
AT5G58787	na	RING/U-box suj 5_23744843	3.39	downstream
AT5G67411	na	GRAS family tra 5_26898143	3.39	intergenic
AT5G10110	na	unknown proteir 5_3168356	3.39	promoter
AT5G36980	na	BEST Arabidop: 5_14609934	3.39	proximal promoter
AT5G58790	na	FUNCTIONS IN 5_23744843	3.39	promoter
AT5G67265	na	unknown proteir 5_26838116	3.39	intergenic
AT5G67410	na	unknown proteir 5_26898143	3.39	proximal promoter
AT4G28530	NAC DOMAIN CONTAINING PROTEIN 7	NAC domain co 4_14097405	3.39	proximal promoter
AT1G64280	NONEXPRESSER OF PR GENES 1 (NPF	This gene is a k 1_23855572	3.39	promoter
AT1G19300	PARVUS (PARVUS)	The PARVUS/G 1_6670509	3.39	intergenic
AT4G12800	PHOTOSYSTEM I SUBUNIT L (PSAL)	Encodes subun 4_7521367	3.39	five_prime_UTR
AT2G16850	PLASMA MEMBRANE INTRINSIC PROTE	plasma membra 2_7303699	3.39	intergenic
AT3G04240	SECRET AGENT (SEC)	Has O-linked N- 3_1121038	3.39	promoter
AT4G21790	TOBAMOVIRUS MULTIPLICATION 1 (TO	encodes a host 4_11569757	3.39	promoter
AT5G64530	XYLEM NAC DOMAIN 1 (XND1)	xylem NAC domr 5_25793935	3.39	proximal promoter
AT5G67030	ABA DEFICIENT 1 (ABA1)	Encodes a singl 5_26757328	3.38	promoter
AT5G01340	MITOCHONDRIAL SUCCINATE-FUMARA	Mitochondrial su 5_145033	3.38	promoter
AT3G27920	MYB DOMAIN PROTEIN 0 (MYB0)	Encodes a Myb 3_10365258	3.38	proximal promoter
AT5G26600	na	Pyridoxal phosph 5_9377281	3.38	promoter
AT1G67300	na	Major facilitator 1_25197054	3.38	five_prime_UTR
AT1G74088	na	FUNCTIONS IN 1_27859561	3.38	proximal promoter
AT4G01810	na	Sec23/Sec24 pr 4_780478	3.38	promoter
AT5G66070	na	RING/U-box suj 5_26421754	3.38	promoter
AT5G59830	na	unknown proteir 5_24105032	3.38	promoter
AT1G76660	na	FUNCTIONS IN 1_28772649	3.38	proximal promoter
AT2G01690	na	ARM repeat sur 2_313832	3.38	promoter
AT2G24160	na	pseudogene, lei 2_10271453	3.38	proximal promoter
AT2G24660	na	transposable elk 2_10490437	3.38	exon
AT2G28510	na	Dof-type zinc fir 2_12202044	3.38	proximal promoter
AT1G56020	na	unknown proteir 1_20953478	3.38	three_prime_UTR
AT1G76670	na	Nucleotide-sug 1_28772649	3.38	three_prime_UTR
AT3G17090	na	Protein phosph 3_5826726	3.38	promoter
AT2G38070	na	Protein of unknc 2_15928556	3.38	promoter
AT3G61790	na	Protein with RIN 3_22873854	3.38	promoter
AT5G01350	na	unknown proteir 5_145033	3.38	intergenic
AT5G17900	na	microfibrillar-as 5_5924533	3.38	promoter
AT1G21640	NAD KINASE 2 (NADK2)	Encodes a prot 1_7588564	3.38	intron
AT3G20970	NFU DOMAIN PROTEIN 4 (NFU4)	Encodes a prot 3_7348207	3.38	five_prime_UTR
AT3G25165	RALF-LIKE 25 (RALFL25)	Member of a div 3_9164975	3.38	proximal promoter
AT1G10470	RESPONSE REGULATOR 4 (ARR4)	Encodes a two- 1_3444776	3.38	proximal promoter
AT5G40850	UROPHORPHYRIN METHYLASE 1 (UPM	Encodes a urop 5_16366528	3.38	five_prime_UTR
AT2G06925	(PLA2-ALPHA)	Encodes a secr 2_2843249	3.37	five_prime_UTR
AT3G54690	(SETH3)	Sugar isomeras 3_20246414	3.37	promoter
AT4G15480	(UGT84A1)	Encodes a prot 4_8851315	3.37	proximal promoter
AT1G04220	3-KETOACYL-COA SYNTHASE 2 (KCS2)	Encodes KCS2, 1_1121381	3.37	intron
AT5G58890	AGAMOUS-LIKE 82 (AGL82)	AGAMOUS-like 5_23782966	3.37	intergenic
AT5G60790	ATP-BINDING CASSETTE F1 (ABC F1)	member of GCN 5_24456082	3.37	promoter
AT3G44340	CLONE EIGHTY-FOUR (CEF)	homologous to 3_16020327	3.37	promoter
AT5G51070	EARLY RESPONSIVE TO DEHYDRATION	ATP-dependent 5_20764252	3.37	promoter
AT5G50950	FUMARASE 2 (FUM2)	Encodes a fume 5_20728211	3.37	proximal promoter
AT4G32890	GATA TRANSCRIPTION FACTOR 9 (GAT	Encodes a merr 4_15875491	3.37	five_prime_UTR
AT1G50900	GRANA DEFICIENT CHLOROPLAST 1 (G	Encodes GDC1 1_18866028	3.37	promoter
AT4G00950	MATERNAL EFFECT EMBRYO ARREST	maternal effect 4_408322	3.37	proximal promoter
AT5G60890	MYB DOMAIN PROTEIN 34 (MYB34)	Myb-like transcr 5_24495702	3.37	exon

AT4G19430	na	unknown protei	4_10600097	3.37	proximal promoter	
AT1G50890	na	ARM repeat sup	1_18866028	3.37	five_prime_UTR	
AT1G77660	na	Histone H3 K4- ϵ	1_29187923	3.37	promoter	
AT2G40435	na	BEST Arabidop:	2_16885842	3.37	proximal promoter	
AT2G43460	na	Ribosomal L38e	2_18045788	3.37	downstream	
AT3G04640	na	glycine-rich prot	3_1261040	3.37	three_prime_UTR	
AT3G10970	na	Haloacid dehalc	3_3436351	3.37	promoter	
AT3G54680	na	proteophosphoc	3_20246414	3.37	intergenic	
AT5G58900	na	Homeodomain-1	5_23782966	3.37	downstream	
AT5G59790	na	CONTAINS Inte	5_24090736	3.37	five_prime_UTR	
AT5G02450	na	Ribosomal prote	5_535080	3.37	intergenic	
AT5G41670	na	6-phosphogluc	5_16667346	3.37	promoter	
AT5G41675	na	pre-tRNA; tRNA	5_16667346	3.37	downstream	
AT4G21350	na	PLANT U-BOX 8 (PUB8)	Encodes a U-bc	4_11357512	3.37	promoter
AT3G18830	na	POLYOL/MONOSACCHARIDE TRANSPC	This gene encod	3_6491271	3.37	five_prime_UTR
AT1G79670	na	RESISTANCE TO FUSARIUM OXYSPOR	Encodes a rece	1_29979307	3.37	exon
AT5G53970	na	TYROSINE AMINOTRANSFERASE 7 (TA	encodes tyrosin	5_21909509	3.37	proximal promoter
AT3G04630	na	WVD2-LIKE 1 (WDL1)	Member of a srr	3_1261040	3.37	downstream
AT2G37250	na	ADENOSINE KINASE (ADK)	encodes adenyl	2_15641917	3.36	five_prime_UTR
AT1G79440	na	ALDEHYDE DEHYDROGENASE 5F1 (AL	Encodes a mito_	1_29887421	3.36	promoter
AT5G07300	na	BONZAI 2 (BON2)	Encodes a copii	5_2303241	3.36	three_prime_UTR
AT5G04870	na	CALCIUM DEPENDENT PROTEIN KINAS	A calcium-depe	5_1420464	3.36	promoter
AT4G31380	na	FPF1-LIKE PROTEIN 1 (FLP1)	encodes a smal	4_15228797	3.36	proximal promoter
AT1G80340	na	GIBBERELLIN 3-OXIDASE 2 (GA3OX2)	Encodes a prote	1_30201125	3.36	exon
AT4G35860	na	GTP-BINDING 2 (GB2)	GTP-binding pr	4_16989297	3.36	promoter
AT4G01680	na	MYB DOMAIN PROTEIN 55 (MYB55)	Encodes a puta	4_718194	3.36	proximal promoter
AT2G16720	na	MYB DOMAIN PROTEIN 7 (MYB7)	Encodes a merr	2_7258962	3.36	proximal promoter
AT1G24330	na	ARM repeat sup	1_8631329	3.36	promoter	
AT1G66553	na	unknown protei	1_24831337	3.36	downstream	
AT3G17680	na	Kinase interacti	3_6044617	3.36	promoter	
AT3G26750	na	CONTAINS Inte	3_9842185	3.36	promoter	
AT4G12790	na	P-loop containir	4_7519512	3.36	promoter	
AT1G73900	na	pre-tRNA; tRNA	1_27789048	3.36	exon	
AT5G25600	na	BEST Arabidop:	5_8912097	3.36	intergenic	
AT1G12064	na	unknown protei	1_4078167	3.36	promoter	
AT1G15650	na	pre-tRNA; tRNA	1_5380995	3.36	downstream	
AT1G56045	na	Ribosomal prote	1_20962550	3.36	promoter	
AT1G60590	na	Pectin lyase-like	1_22319494	3.36	proximal promoter	
AT1G72940	na	Toll-Interleukin-1	1_27442149	3.36	promoter	
AT1G26208	na	Potential natura	1_9066526	3.36	downstream	
AT1G26930	na	Galactose oxid	1_9340078	3.36	proximal promoter	
AT1G30340	na	transposable el	1_10694597	3.36	proximal promoter	
AT3G04760	na	Pentatricopepti	3_1305922	3.36	promoter	
AT3G10970	na	Haloacid dehalc	3_3431722	3.36	intergenic	
AT3G60286	na	This gene encod	3_22281844	3.36	exon	
AT5G04880	na	pseudogene of	5_1420464	3.36	intergenic	
AT5G07310	na	encodes a mem	5_2303241	3.36	proximal promoter	
AT5G15700	na	Nucleus encod	5_5122411	3.36	proximal promoter	
AT5G15710	na	Galactose oxid	5_5122411	3.36	promoter	
AT5G39320	na	UDP-glucose 6-	5_15742670	3.36	promoter	
AT5G53340	na	Galactosyltrans	5_21643731	3.36	promoter	
AT4G21680	na	NITRATE TRANSPORTER 1.8 (NRT1.8)	Encodes a nitra	4_11522176	3.36	proximal promoter
AT4G30210	na	P450 REDUCTASE 2 (ATR2)	Encodes NADP	4_14795917	3.36	proximal promoter
AT1G78540	na	SH2 DOMAIN PROTEIN B (SHB)	Encodes a prote	1_29544855	3.36	promoter
AT1G26210	na	SOB FIVE-LIKE 1 (SOFL1)	AtSOFL1 acts r	1_9066526	3.36	proximal promoter
AT3G51895	na	SULFATE TRANSPORTER 3;1 (SULTR3;	Encodes a sulfa	3_19257673	3.36	proximal promoter
AT5G26910	na	TON1 RECRUITING MOTIF 8 (TRM8)	unknown protei	5_9470392	3.36	five_prime_UTR
AT5G50810	na	TRANSLOCASE INNER MEMBRANE SU	Encodes a smal	5_20676745	3.36	promoter
AT5G58180	na	(ATYKT62)	member of YKT	5_23545472	3.35	intron
AT3G10800	na	(BZIP28)	Encodes bZIP2	3_3379309	3.35	five_prime_UTR
AT5G02470	na	(DPA)	core cell cycle	5_542269	3.35	downstream
AT1G62380	na	ACC OXIDASE 2 (ACO2)	Encodes a prote	1_23083535	3.35	exon
AT5G65890	na	ACT DOMAIN REPEAT 1 (ACR1)	Member of ACT	5_26358078	3.35	downstream
AT2G37940	na	ARABIDOPSIS INOSITOL PHOSPHORYL	Arabidopsis lno	2_15875078	3.35	proximal promoter
AT1G71800	na	CLEAVAGE STIMULATING FACTOR 64 (RNA 3′-	1_27000097	3.35	exon
AT5G09463	na	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open	5_2946857	3.35	promoter
AT5G09462	na	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open	5_2946857	3.35	promoter
AT5G09461	na	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open	5_2946857	3.35	promoter
AT5G16715	na	EMBRYO DEFECTIVE 2247 (EMB2247)	embryo defectiv	5_5493318	3.35	three_prime_UTR
AT3G12080	na	EMBRYO DEFECTIVE 2738 (emb2738)	embryo defectiv	3_3847702	3.35	promoter
AT1G10910	na	EMBRYO DEFECTIVE 3103 (EMB3103)	Pentatricopepti	1_3639709	3.35	promoter
AT5G58190	na	EVOLUTIONARILY CONSERVED C-TER	evolutionarily	cc 5_23545472	3.35	proximal promoter
AT1G46264	na	HEAT SHOCK TRANSCRIPTION FACTO	Encodes SCHIZ	1_17222633	3.35	proximal promoter
AT5G64610	na	HISTONE ACETYLTRANSFERASE OF TH	Encodes an enz	5_25830730	3.35	promoter
AT3G58030	na	RING/U-box sup	3_21484401	3.35	intron	
AT5G02460	na	Dof-type zinc fir	5_542269	3.35	proximal promoter	
AT1G64650	na	Major facilitator	1_24026620	3.35	promoter	
AT1G74860	na	unknown protei	1_28123163	3.35	promoter	
AT1G77560	na	pre-tRNA; tRNA	1_29143167	3.35	promoter	
AT2G22180	na	hydroxyproline- ϵ	2_9431281	3.35	intergenic	
AT3G14710	na	RNI-like superfe	3_4943297	3.35	intergenic	
AT4G11450	na	Protein of unkn	4_6962118	3.35	promoter	
AT5G09460	na	sequence-speci	5_2946857	3.35	promoter	
AT5G16720	na	Protein of unkn	5_5493318	3.35	proximal promoter	
AT4G35080	na	high-affinity nick	4_16696928	3.35	proximal promoter	
AT4G35985	na	Senescence/de	4_17034011	3.35	promoter	
AT5G65900	na	DEA(D/H)-box f	5_26358078	3.35	promoter	
AT2G43020	na	POLYAMINE OXIDASE 2 (PAO2)	Encodes a poly;	2_17891042	3.35	promoter
AT5G16400	na	THIOREDOXIN F2 (TRXF2)	Encodes an f-ty	5_5365401	3.35	promoter
AT2G18700	na	TREHALOSE PHOSPHATASE/SYNTHAS	Encodes an enz	2_8106453	3.35	proximal promoter
AT1G26570	na	UDP-GLUCOSE DEHYDROGENASE 1 (L	UDP-glucose de	1_9182153	3.35	promoter
AT5G64940	na	ABC2 HOMOLOG 13 (ATH13)	Encodes a merr	5_25948807	3.34	promoter
AT2G27228	na	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open	2_11650287	3.34	promoter
AT5G43430	na	ELECTRON TRANSFER FLAVOPROTEIN	Encodes the ele	5_17453545	3.34	promoter

AT5G57685	GLUTAMINE DUMPER 3 (GDU3)	Encodes a merr 5_23365805	3.34	downstream
AT2G45480	GROWTH-REGULATING FACTOR 9 (GR	Growth regulati 2_18745166	3.34	promoter
AT2G27230	LONESOME HIGHWAY (LHW)	Encodes a nucl 2_11650287	3.34	promoter
AT1G13370	na	Histone superfa 1_4585463	3.34	intergenic
AT4G24970	na	Histidine kinase 4_12831131	3.34	exon
AT4G20310	na	Peptidase M50_4_10964867	3.34	intergenic
AT5G12850	na	CCCH-type zinc 5_4056093	3.34	promoter
AT2G35410	na	RNA-binding (R 2_14898289	3.34	promoter
AT1G11125	na	unknown protei 1_3719539	3.34	exon
AT1G48745	na	unknown protei 1_18030571	3.34	promoter
AT2G27229	na	Pentatricopepti 2_11650287	3.34	intergenic
AT3G10760	na	Homeodomain-l 3_3371649	3.34	intergenic
AT3G10770	na	Single-stranded 3_3371649	3.34	intergenic
AT3G12910	na	NAC (No Apical 3_4107233	3.34	proximal promoter
AT4G10080	na	unknown proteir 4_6302695	3.34	promoter
AT4G13265	na	pre-tRNA; tRNA 4_7731121	3.34	downstream
AT4G13270	na	Late embryoger 4_7731121	3.34	promoter
AT4G14200	na	Pentatricopepti 4_8188760	3.34	five_prime_UTR
AT4G27270	na	Quinone reduct: 4_13661269	3.34	downstream
AT4G37180	na	myb family trans 4_17506898	3.34	intergenic
AT4G33640	na	unknown proteir 4_16160350	3.34	promoter
AT5G40450	na	unknown proteir 5_16197233	3.34	proximal promoter
AT4G37190	na	LOCATED IN: c 4_17506898	3.34	promoter
AT5G47860	na	Protein of unkn 5_19381364	3.34	promoter
AT1G69295	PLASMODESMATA CALLOSE-BINDING I	Encodes a merr 1_26053201	3.34	proximal promoter
AT5G60690	REVOLUTA (REV)	REVOLUTA rec 5_24397031	3.34	five_prime_UTR
AT5G48880	3-KETO-ACYL-COENZYME A THIOLEASE	Encodes a pero 5_19819091	3.33	proximal promoter
AT3G18690	MAP KINASE SUBSTRATE 1 (MKS1)	Encodes a nucl 3_6430520	3.33	promoter
AT1G48095	na	unknown proteir 1_17763722	3.33	intergenic
AT2G03290	na	emp24/gp25L/p 2_999356	3.33	promoter
AT2G34620	na	Mitochondrial tr: 2_14577069	3.33	promoter
AT3G54390	na	sequence-speci 3_20140791	3.33	proximal promoter
AT3G54400	na	Eukaryotic aspa 3_20140791	3.33	intron
AT5G66780	na	unknown proteir 5_26663253	3.33	promoter
AT2G07170	na	ARM repeat sur 2_2974948	3.33	promoter
AT2G17160	na	Interleukin-1 rec 2_7472434	3.33	promoter
AT2G02780	na	Leucine-rich re 2_784836	3.33	promoter
AT2G11140	na	transposable elk 2_4416600	3.33	downstream
AT1G52905	na	unknown proteir 1_19705866	3.33	promoter
AT1G71710	na	DNAse I-like su 1_26978569	3.33	intron
AT2G25800	na	CONTAINS Inte 2_11009713	3.33	exon
AT3G56200	na	Encodes a puta 3_20849891	3.33	promoter
AT5G02680	na	LOCATED IN: e 5_608349	3.33	downstream
AT5G02690	na	unknown proteir 5_608349	3.33	intergenic
AT5G39030	na	Protein kinase s 5_15619928	3.33	promoter
AT5G66180	na	S-adenosyl-L-m 5_26448896	3.33	promoter
AT2G28610	PRESSED FLOWER (PRS)	Encodes a hom 2_12263155	3.33	exon
AT3G05030	SODIUM HYDROGEN EXCHANGER 2 (N	Encodes a vacc 3_1396033	3.33	intron
AT1G04750	VESICLE-ASSOCIATED MEMBRANE PR	Encodes vesiclk 1_1333663	3.33	promoter
AT1G66140	ZINC FINGER PROTEIN 4 (ZFP4)	Encodes a zinc 1_24622017	3.33	promoter
AT1G28290	ARABINOGLACTAN PROTEIN 31 (AGP	Encodes an aty 1_9895265	3.32	intergenic
AT4G19210	ATP-BINDING CASSETTE E2 (ABCE2)	member of RLI : 4_10501145	3.32	promoter
AT5G41410	BELL 1 (BEL1)	Homeodomain f 5_16578949	3.32	proximal promoter
AT3G14680	CYTOCHROME P450, FAMILY 72, SUBF	putative cytochr 3_4933042	3.32	proximal promoter
AT4G38170	FAR1-RELATED SEQUENCE 9 (FRS9)	FAR1-related sr 4_17904297	3.32	promoter
AT5G49730	FERRIC REDUCTION OXIDASE 6 (FRO6	Encodes a plasi 5_20200487	3.32	intergenic
AT5G49720	GLYCOSYL HYDROLASE 9A1 (GH9A1)	Encodes a merr 5_20200487	3.32	promoter
AT4G31560	HIGH CHLOROPHYLL FLUORESCENCE	Encodes HCF1: 4_15295137	3.32	promoter
AT5G47010	LOW-LEVEL BETA-AMYLASE 1 (LBA1)	Required for no 5_19071821	3.32	promoter
AT2G43790	MAP KINASE 6 (MPK6)	Encodes a MAF 2_18137684	3.32	proximal promoter
AT1G06180	MYB DOMAIN PROTEIN 13 (MYB13)	member of MYE 1_1890385	3.32	intron
AT3G58640	na	Mitogen activat 3_21693922	3.32	promoter
AT1G11175	na	other RNA 1_3745534	3.32	exon
AT1G20875	na	unknown proteir 1_7261650	3.32	exon
AT3G22290	na	Endoplasmic rei 3_7880568	3.32	proximal promoter
AT4G26130	na	unknown proteir 4_13239015	3.32	intergenic
AT1G18415	na	Potential natura 1_6345752	3.32	promoter
AT1G18420	na	Aluminium activ 1_6345752	3.32	downstream
AT1G18430	na	pre-tRNA; tRNA 1_6345752	3.32	promoter
AT2G43780	na	unknown proteir 2_18137684	3.32	promoter
AT1G14450	na	NADH dehydrog 1_4946081	3.32	downstream
AT1G54670	na	pre-tRNA; tRNA 1_20413041	3.32	promoter
AT2G22220	na	pre-tRNA; tRNA 2_9449908	3.32	promoter
AT2G22230	na	Thioesterase su 2_9449908	3.32	promoter
AT2G27480	na	Calcium-binding 2_11746567	3.32	promoter
AT1G01320	na	Tetratricopeptid 1_128457	3.32	intron
AT2G45023	na	other RNA 2_18572204	3.32	promoter
AT1G68410	na	Protein phosph: 1_25652954	3.32	intron
AT3G52460	na	hydroxyproline-i 3_19445818	3.32	proximal promoter
AT3G57340	na	FUNCTIONS IN 3_21217943	3.32	proximal promoter
AT3G57360	na	unknown proteir 3_21225489	3.32	promoter
AT4G01960	na	unknown proteir 4_853582	3.32	promoter
AT4G17070	na	peptidyl-prolyl c 4_9598186	3.32	five_prime_UTR
AT4G17390	na	Ribosomal prote 4_9715672	3.32	promoter
AT4G17410	na	DWNN domain, 4_9715672	3.32	promoter
AT4G19200	na	proline-rich fami 4_10501145	3.32	intergenic
AT5G16030	na	unknown proteir 5_5236701	3.32	proximal promoter
AT5G01445	na	unknown proteir 5_182551	3.32	five_prime_UTR
AT5G24230	na	Lipase class 3-r 5_8229682	3.32	exon
AT5G58110	na	chaperone bind: 5_23515105	3.32	promoter
AT5G64090	na	FUNCTIONS IN 5_25647915	3.32	promoter
AT5G67140	na	F-box/RNI-like s 5_26797336	3.32	proximal promoter
AT5G67150	na	HXXXD-type ac 5_26797336	3.32	promoter
AT2G23150	NATURAL RESISTANCE-ASSOCIATED N	Encodes a merr 2_9859551	3.32	proximal promoter

AT5G60040	NUCLEAR RNA POLYMERASE C1 (NRP1	Encodes a subu	5_24173217	3.32	promoter
AT1G56250	PHLOEM PROTEIN 2-B14 (PP2-B14)	Encodes an F-b	1_21060682	3.32	intergenic
AT4G38160	PIGMENT DEFECTIVE 191 (pde191)	pigment defecti	4_17904297	3.32	intron
AT5G55190	RAN GTPASE 3 (RAN3)	A member of R/	5_22392143	3.32	promoter
AT1G11180	SECRETORY CARRIER MEMBRANE PR	Secretory carrie	1_3745534	3.32	promoter
AT3G16290	EMBRYO DEFECTIVE 2083 (EMB2083)	embryo defectiv	3_5525225	3.31	promoter
AT1G08720	ENHANCED DISEASE RESISTANCE 1 (E	enhanced disea	1_2773925	3.31	promoter
AT1G69410	EUKARYOTIC ELONGATION FACTOR 5/	Encodes eIF5A-	1_26089169	3.31	promoter
AT1G13250	GALACTURONOSYLTRANSFERASE-LIK	Encodes a prot	1_4535080	3.31	intergenic
AT3G45210	na	Protein of unkn	3_16559642	3.31	proximal promoter
AT1G13370	na	Histone superfa	1_4587497	3.31	intergenic
AT1G65560	na	Zinc-binding del	1_24373797	3.31	five_prime_UTR
AT2G30230	na	unknown protei	2_12898484	3.31	intergenic
AT4G23930	na	Late embryoqer	4_12436855	3.31	promoter
AT5G65440	na	unknown protei	5_26157381	3.31	intergenic
AT5G08600	na	U3 ribonucleopr	5_2790089	3.31	intron
AT5G65445	na	pre-tRNA; tRNA	5_26157381	3.31	promoter
AT5G43050	NONPHOTOCHEMICAL QUENCHING 6 (	Chloroplast loc	5_17267825	3.31	promoter
AT5G23090	NUCLEAR FACTOR Y, SUBUNIT B13 (NF	nuclear factor Y	5_7749054	3.31	promoter
AT3G16140	PHOTOSYSTEM I SUBUNIT H-1 (PSAH-1	Encodes subun	3_5469547	3.31	promoter
AT5G08610	PIGMENT DEFECTIVE 340 (PDE340)	P-loop containir	5_2790089	3.31	promoter
AT2G01570	REPRESSOR OF GA1-3 1 (RGA1)	Member of the \	2_257419	3.31	five_prime_UTR
AT1G05680	URIDINE DIPHOSPHATE GLYCOSYLTR/	Encodes a UDF	1_1704913	3.31	promoter
AT2G21150	XAP5 CIRCADIAN TIMEKEEPER (XCT)	XAP5 family prc	2_9064501	3.31	proximal promoter
AT5G05690	CONSTITUTIVE PHOTOMORPHOGENIC	Encodes a merr	5_1708491	3.3	proximal promoter
AT1G61210	DWD HYPERSENSITIVE TO ABA 3 (DWA/	DWA3 encodes	1_22564272	3.3	promoter
AT1G47128	ESPONSIVE TO DEHYDRATION 21A (RC	cysteine protein	1_17291135	3.3	intergenic
AT1G80790	FACTOR OF DNA METHYLATION 5 (FDM	Belongs to a sui	1_30359573	3.3	promoter
AT5G47770	FARNESYL DIPHOSPHATE SYNTHASE	Encodes a prot	5_19347863	3.3	downstream
AT5G08640	FLAVONOL SYNTHASE 1 (FLS1)	Encodes a flavc	5_2803861	3.3	promoter
AT5G47780	GALACTURONOSYLTRANSFERASE 4 (C	Encodes a prot	5_19347863	3.3	promoter
AT3G13222	GBF-INTERACTING PROTEIN 1 (GIP1)	Encodes a prot	3_4254475	3.3	promoter
AT3G58680	MULTIPROTEIN BRIDGING FACTOR 1B	One of three ge	3_21709065	3.3	downstream
AT3G24640	na	lyases; BEST A	3_8993993	3.3	intergenic
AT4G36370	na	unknown protei	4_17187436	3.3	intron
AT3G04485	na	Unknown gene	3_1198743	3.3	intron
AT1G04501	na	unknown protei	1_1224638	3.3	exon
AT5G08630	na	DDT domain-co	5_2803861	3.3	proximal promoter
AT1G10110	na	F-box family prc	1_3302454	3.3	promoter
AT1G18340	na	basal transcripti	1_6311397	3.3	downstream
AT1G66130	na	NAD(P)-binding	1_24615493	3.3	exon
AT1G76350	na	Plant regulator	1_1_28639540	3.3	promoter
AT1G80780	na	Polynucleotidyl	1_30359573	3.3	intron
AT2G18770	na	P-loop containir	2_8134520	3.3	promoter
AT1G18335	na	Acyl-CoA N-acy	1_6311397	3.3	promoter
AT3G13223	na	pre-tRNA; tRNA	3_4254475	3.3	promoter
AT3G53190	na	Pectin lyase-like	3_19712632	3.3	proximal promoter
AT3G58690	na	Protein kinase s	3_21709065	3.3	promoter
AT4G33380	na	unknown protei	4_16071838	3.3	intron
AT5G59150	RAB GTPASE HOMOLOG A2D (RABA2D	RAB GTPase hr	5_23876417	3.3	promoter
AT5G58590	RAN BINDING PROTEIN 1 (RANBP1)	Encodes a Ran-	5_23679869	3.3	downstream
AT4G36380	ROTUNDIFOLIA 3 (ROT3)	Encodes a cytoi	4_17187436	3.3	downstream
AT2G40160	(TBL30)	Encodes a merr	2_16779250	3.29	three_prime_UTR
AT3G14370	(WAG2)	The WAG2 and	3_4800770	3.29	proximal promoter
AT3G46090	(ZAT7)	ZAT7; FUNCTIC	3_16927488	3.29	proximal promoter
AT5G13160	AVRPPHB SUSCEPTIBLE 1 (PBS1)	Mutant is defect	5_4176593	3.29	five_prime_UTR
AT2G23760	BEL1-LIKE HOMEODOMAIN 4 (BLH4)	Encodes a merr	2_10113066	3.29	intron
AT5G64050	GLUTAMATE TRNA SYNTHETASE (ERS)	Glutamate-tRNA/	5_25633299	3.29	promoter
AT2G40170	LATE EMBRYOGENESIS ABUNDANT 6 (	Encodes a grou	2_16779250	3.29	intergenic
AT5G09690	MAGNESIUM TRANSPORTER 7 (MG7)	Transmembran	5_3003621	3.29	promoter
AT5G03552	MICRONA822A (MIR822A)	Encodes a micr	5_898063	3.29	proximal promoter
AT1G28180	na	P-loop containir	1_9846108	3.29	proximal promoter
AT1G46554	na	other RNA	1_17253737	3.29	exon
AT1G77680	na	Ribonuclease II	1_29196308	3.29	promoter
AT2G22482	na	na	2_9552890	3.29	proximal promoter
AT1G03180	na	unknown protei	1_773318	3.29	promoter
AT1G03290	na	unknown protei	1_807288	3.29	promoter
AT1G33415	na	Potential natura	1_12123608	3.29	intron
AT1G33420	na	RING/FYVE/PH	1_12123608	3.29	promoter
AT1G35110	na	transposable el	1_12840294	3.29	exon
AT2G23820	na	Metal-depender	2_10140400	3.29	promoter
AT3G06680	na	Ribosomal L29e	3_2114902	3.29	intron
AT3G28690	na	Protein kinase s	3_10754955	3.29	promoter
AT4G02940	na	oxidoreductase,	4_1306508	3.29	five_prime_UTR
AT5G01650	na	Tautomerase/M	5_244191	3.29	promoter
AT5G11310	na	Pentatricopeptic	5_3606350	3.29	promoter
AT5G38155	na	pre-tRNA; tRNA	5_15225314	3.29	promoter
AT5G03555	NUCLEOBASE CATION SYMPORTER 1 (	Encodes PLUT	5_898063	3.29	downstream
AT1G35112	SADHU NON-CODING RETROTRANSPC	Member of Sadl	1_12840294	3.29	exon
AT1G32050	SECRETORY CARRIER MEMBRANE PR	SCAMP family r	1_11528413	3.29	promoter
AT1G66140	ZINC FINGER PROTEIN 4 (ZFP4)	Encodes a zinc	1_24624108	3.29	proximal promoter
AT5G08530	51 KDA SUBUNIT OF COMPLEX I (CI51)	51 kDa subunit	5_2762000	3.28	promoter
AT2G33310	AUXIN-INDUCED PROTEIN 13 (IAA13)	Auxin induced c	2_14116017	3.28	five_prime_UTR
AT4G33580	BETA CARBONIC ANHYDRASE 5 (BCA5	beta carbonic ai	4_16139141	3.28	intron
AT4G08920	CRYPTOCHROME 1 (CRY1)	Encodes CRY1,	4_5718637	3.28	intergenic
AT5G52320	CYTOCHROME P450, FAMILY 96, SUBF	member of CYP	5_21247443	3.28	proximal promoter
AT1G03170	FANTASTIC FOUR 2 (FAF2)	A member of th	1_768045	3.28	proximal promoter
AT4G13940	HOMOLOGY-DEPENDENT GENE SILEN	Encodes a S-ac	4_8057258	3.28	downstream
AT4G14750	IQ-DOMAIN 19 (IQD19)	IQ-domain 19 (I	4_8469418	3.28	proximal promoter
AT1G69610	na	FUNCTIONS IN	1_26187597	3.28	exon
AT4G16380	na	Heavy metal tra	4_9254481	3.28	promoter
AT2G37540	na	NAD(P)-binding	2_15753987	3.28	promoter
AT5G61520	na	Major facilitator	5_24738919	3.28	downstream
AT5G61510	na	GroES-like zinc	5_24738919	3.28	exon

AT1G07310	na	Calcium-depend	1_2249033	3.28	promoter
AT1G29470	na	S-adenosyl-L-m	1_10314156	3.28	promoter
AT1G30730	na	FAD-binding Be	1_10900253	3.28	proximal promoter
AT2G01680	na	Ankyrin repeat	f 2_302810	3.28	intergenic
AT1G30720	na	FAD-binding Be	1_10900253	3.28	intergenic
AT2G30960	na	unknown protei	2_13177544	3.28	exon
AT3G15900	na	unknown protei	3_5377066	3.28	five_prime_UTR
AT3G52565	na	pre-tRNA; tRNA	3_19499941	3.28	proximal promoter
AT4G33565	na	RING/U-box su	4_16139141	3.28	intergenic
AT4G39780	na	encodes a mem	4_18457062	3.28	intergenic
AT5G24210	na	alpha/beta-Hydr	5_8216222	3.28	proximal promoter
AT5G08535	na	D111G-patch c	5_2762000	3.28	promoter
AT5G46080	na	Protein kinase s	5_18690557	3.28	exon
AT5G57300	na	S-adenosyl-L-m	5_23211230	3.28	promoter
AT5G57310	na	unknown protei	5_23211230	3.28	intron
AT5G64880	na	unknown protei	5_25932288	3.28	promoter
AT4G13950	RALF-LIKE 31 (RALFL31)	Member of a div	4_8057258	3.28	intergenic
AT3G09270	GLUTATHIONE S-TRANSFERASE TAU 8	Encodes glutatr	3_2850177	3.27	proximal promoter
AT5G12930	na	unknown protei	5_4086013	3.27	proximal promoter
AT4G39600	na	Galactose oxide	4_18390673	3.27	promoter
AT1G02080	na	transcription re	1_373441	3.27	intron
AT1G79529	na	Potential natura	1_29915470	3.27	promoter
AT1G19835	na	Plant protein of	1_6865815	3.27	intergenic
AT1G79520	na	Cation efflux far	1_29915470	3.27	proximal promoter
AT3G01513	na	unknown protei	3_204394	3.27	proximal promoter
AT3G61028	na	Putative endon	3_22582664	3.27	intron
AT4G23740	na	Leucine-rich re	4_12369523	3.27	downstream
AT5G14230	na	CONTAINS Inte	5_4591686	3.27	promoter
AT5G12010	na	unknown protei	5_3880829	3.27	proximal promoter
AT4G19170	NINE-CIS-EPOXYCAROTENOID DIOXYG	chloroplast-targ	4_10481781	3.27	promoter
AT2G40380	PRENYLATED RAB REDUCTOR 1.B2 (PF prenylated RAB 2_16865427			3.27	five_prime_UTR
AT2G21790	RIBONUCLEOTIDE REDUCTASE 1 (RNR	encodes large s	2_9293174	3.27	promoter
AT4G33210	SLOW MOTION (SLOMO)	Encodes SLOM	4_16021249	3.27	promoter
AT4G32660	(AME3)	Encodes protei	4_15756016	3.26	promoter
AT5G65050	AGAMOUS-LIKE 31 (AGL31)	Originally publi	5_25982161	3.26	promoter
AT5G18120	APR-LIKE 7 (APRL7)	Encodes a prote	5_5990871	3.26	promoter
AT5G17290	AUTOPHAGY 5 (APG5)	Autophagy prot	5_5689917	3.26	promoter
AT3G49670	BARELY ANY MERISTEM 2 (BAM2)	Encodes a CLA	3_18417153	3.26	promoter
AT1G69370	CHORISMATE MUTASE 3 (CM3)	Encodes choris	1_26080003	3.26	five_prime_UTR
AT3G61130	GALACTURONOSYLTRANSFERASE 1 (C	Encodes a prote	3_22621982	3.26	five_prime_UTR
AT1G06520	GLYCEROL-3-PHOSPHATE ACYLTRANS	Encodes a mem	1_1998420	3.26	proximal promoter
AT1G05550	na	Protein of unkn	1_1642979	3.26	intron
AT1G65820	na	microsomal glut	1_24484994	3.26	promoter
AT2G37440	na	DNase I-like su	2_15721819	3.26	exon
AT2G37450	na	nodulin MIN21-1	2_15721819	3.26	intergenic
AT3G62580	na	Late embryoger	3_23145579	3.26	proximal promoter
AT4G22320	na	unknown protei	4_11794911	3.26	promoter
AT4G29440	na	Regulator of Vp	4_14477893	3.26	intron
AT5G62910	na	RING/U-box su	5_25250525	3.26	intron
AT1G61330	na	FBD, F-box and	1_22625699	3.26	intergenic
AT1G70350	na	unknown protei	1_26508423	3.26	promoter
AT1G70810	na	Calcium-depend	1_26704029	3.26	promoter
AT2G20060	na	Ribosomal prote	2_8658903	3.26	promoter
AT3G50520	na	Phosphoglycer	3_18750154	3.26	intergenic
AT3G56050	na	Protein kinase f	3_20797753	3.26	downstream
AT4G05060	na	PapD-like super	4_2592135	3.26	five_prime_UTR
AT5G22390	na	Protein of unkn	5_7416323	3.26	intergenic
AT5G02870	na	Ribosomal prote	5_657692	3.26	promoter
AT5G18110	NOVEL CAP-BINDING PROTEIN (NCBP)	novel cap-bindir	5_5990871	3.26	promoter
AT2G28930	PROTEIN KINASE 1B (PK1B)	protein kinase	1_2_12421485	3.26	proximal promoter
AT5G17300	REVEILLE 1 (RVE1)	Myb-like transcr	5_5693474	3.26	proximal promoter
AT5G17300	REVEILLE 1 (RVE1)	Myb-like transcr	5_5689917	3.26	intergenic
AT3G57920	SQUAMOSA PROMOTER BINDING PRO	Encodes a puta	3_21446072	3.26	promoter
AT3G56040	UDP-GLUCOSE PYROPHOSPHORYLAS	UDP-glucose p	3_20797753	3.26	promoter
AT4G29140	ACTIVATED DISEASE SUSCEPTIBILITY	Encodes Activa	4_14366052	3.25	proximal promoter
AT1G19220	AUXIN RESPONSE FACTOR 19 (ARF19)	Encodes an aux	1_6633127	3.25	promoter
AT3G14010	CTC-INTERACTING DOMAIN 4 (CID4)	hydroxyproline-1	3_4636254	3.25	promoter
AT2G47220	DOMAIN OF UNKNOWN FUNCTION 724	Member of the r	2_19383371	3.25	promoter
AT1G18840	IQ-DOMAIN 30 (IQD30)	IQ-domain 30 (I	1_6504320	3.25	five_prime_UTR
AT4G29840	METHIONINE OVER-ACCUMULATOR 2 (	threonine synth	4_14601128	3.25	promoter
AT5G57910	na	unknown protei	5_23451073	3.25	downstream
AT3G59923	na	pre-tRNA; tRNA	3_22138920	3.25	downstream
AT3G59926	na	pre-tRNA; tRNA	3_22138920	3.25	promoter
AT3G59930	na	Encodes a defe	3_22138920	3.25	intergenic
AT5G64450	na	BEST Arabidop	5_25771841	3.25	promoter
AT5G03668	na	Potential natura	5_946357	3.25	intergenic
AT1G12330	na	unknown protei	1_4196239	3.25	intron
AT2G36220	na	unknown protei	2_15191148	3.25	proximal promoter
AT3G59020	na	ARM repeat su	3_21818269	3.25	proximal promoter
AT4G15975	na	RING/U-box su	4_9052141	3.25	promoter
AT4G24050	na	NAD(P)-binding	4_12495203	3.25	proximal promoter
AT4G32760	na	ENTH/VHS/GA	4_15804663	3.25	intergenic
AT4G32765	na	pre-tRNA; tRNA	4_15804663	3.25	downstream
AT4G36510	na	unknown protei	4_17228973	3.25	intron
AT5G61490	na	Uncharacterise	5_24732489	3.25	promoter
AT4G25130	PEPTIDE MET SULFOXIDE REDUCTASE	Encodes a chl	4_12900057	3.25	five_prime_UTR
AT3G26570	PHOSPHATE TRANSPORTER 2;1 (PHT2	low affinity phos	3_9756175	3.25	promoter
AT2G01660	PLASMODESMATA-LOCATED PROTEIN	Encodes a plasi	2_291887	3.25	exon
AT5G57900	SKP1 INTERACTING PARTNER 1 (SKIP1	F-box protein, ir	5_23451073	3.25	promoter
AT5G03670	TON1 RECRUITING MOTIF 28 (TRM28)	unknown protei	5_946357	3.25	proximal promoter
AT2G45660	AGAMOUS-LIKE 20 (AGL20)	Controls floweri	2_18811177	3.24	promoter
AT2G32480	ARABIDOPSIS SERIN PROTEASE (ARAS	Metalloprotease	2_13790164	3.24	promoter
AT3G23210	BASIC HELIX-LOOP-HELIX 34 (bHLH34)	basic Helix-Lo	3_8285280	3.24	promoter
AT2G18160	BASIC LEUCINE-ZIPPER 2 (bZIP2)	Encodes a b-ZI	2_7899268	3.24	promoter

AT4G18700	CBL-INTERACTING PROTEIN KINASE 12	Encodes CBL-ir 4_10293443	3.24	proximal promoter
AT2G18162	CONSERVED PEPTIDE UPSTREAM OPE	Upstream open 2_7899268	3.24	promoter
AT3G26200	CYTOCHROME P450, FAMILY 71, SUBF	putative cytochr 3_9589177	3.24	promoter
AT3G14650	CYTOCHROME P450, FAMILY 72, SUBF	putative cytochr 3_4922021	3.24	promoter
AT5G66460	ENDO-BETA-MANNASE 7 (MAN7)	Encodes a endc 5_26538238	3.24	downstream
AT2G47600	MAGNESIUM/PROTON EXCHANGER (M	Encodes a mag 2_19527477	3.24	promoter
AT1G79720	na	Eukaryotic aspa 1_29999096	3.24	promoter
AT5G44590	na	S-adenosyl-L-m 5_17987245	3.24	promoter
AT1G05020	na	ENTH/ANTH/Vt 1_1437566	3.24	five_prime_UTR
AT4G36470	na	S-adenosyl-L-m 4_17217379	3.24	proximal promoter
AT5G02610	na	Ribosomal L29 5_587487	3.24	promoter
AT1G03270	na	CBS domain-co 1_799064	3.24	promoter
AT1G33475	na	SNARE-like sup 1_12148358	3.24	promoter
AT1G35220	na	unknown proteir 1_12908784	3.24	promoter
AT2G31730	na	basic helix-loop 2_13490110	3.24	promoter
AT2G31740	na	S-adenosyl-L-m 2_13490110	3.24	intergenic
AT3G04850	na	Tesmin/TSO1-li 3_1336064	3.24	promoter
AT3G16510	na	Calcium-depen 3_5618575	3.24	promoter
AT2G41810	na	FUNCTIONS IN 2_17443848	3.24	proximal promoter
AT3G52765	na	pre-tRNA; tRNA 3_19554887	3.24	promoter
AT4G38760	na	Protein of unkn 4_18096302	3.24	promoter
AT4G22620	na	SAUR-like auxir 4_11907967	3.24	exon
AT4G22990	na	Major Facilitator 4_12051854	3.24	promoter
AT4G30750	na	unknown proteir 4_14982469	3.24	promoter
AT4G30760	na	Putative endon 4_14982469	3.24	promoter
AT5G54145	na	unknown proteir 5_21971208	3.24	proximal promoter
AT5G59010	na	Protein kinase 5_23824661	3.24	proximal promoter
AT5G01030	na	Protein of unkn 5_9798	3.24	promoter
AT5G25520	na	SPOC domain / 5_8884984	3.24	promoter
AT5G37750	na	Chaperone Dna 5_14994349	3.24	proximal promoter
AT5G47170	na	unknown proteir 5_19159194	3.24	promoter
AT5G60980	na	Nuclear transp 5_24543340	3.24	promoter
AT5G66455	na	pseudogene of 5_26538238	3.24	promoter
AT2G27350	OTUBAIN-LIKE DEUBIQUITINASE 1 (OTL	Encodes an otu 2_11704317	3.24	promoter
AT4G38770	PROLINE-RICH PROTEIN 4 (PRP4)	Encodes one of 4_18096302	3.24	intergenic
AT3G16520	UDP-GLUCOSYL TRANSFERASE 88A1 (	UDP-glucosyl tr 3_5618575	3.24	three_prime_UTR
AT4G30290	XYLOGLUCAN ENDOTRANSGLUCOSYL	Encodes a xylo 4_14830303	3.24	promoter
AT1G01720	(ATAF1)	Belongs to a lar 1_266367	3.23	proximal promoter
AT1G15220	(CCMH)	Encodes a prote 1_5241520	3.23	five_prime_UTR
AT5G09320	(VPS9B)	VPS9B; CONT 5_2892883	3.23	proximal promoter
AT3G17590	BUSHY GROWTH (BSH)	Encodes the Ar; 3_6019808	3.23	promoter
AT5G07070	CBL-INTERACTING PROTEIN KINASE 2	Encodes CBL-ir 5_2198563	3.23	promoter
AT4G16590	CELLULOSE SYNTHASE-LIKE A01 (CSL	encodes a gene 4_9347858	3.23	intron
AT4G26500	CHLOROPLAST SULFUR E (CPSUFE)	Sulfur acceptor 4_13383714	3.23	promoter
AT3G42670	CHROMATIN REMODELING 38 (CHR38)	Encodes a nucl 3_14760729	3.23	proximal promoter
AT1G15380	GLYOXYLASE I 4 (GLY4)	Lactoylglutathio 1_5291714	3.23	intron
AT2G46180	GOLGIN CANDIDATE 4 (GC4)	This gene is pre 2_18971452	3.23	promoter
AT4G02670	INDETERMINATE(ID)-DOMAIN 12 (IDD12	indeterminate(I 4_1176252	3.23	exon
AT1G04550	INDOLE-3-ACETIC ACID INDUCIBLE 12 (	IAA12/BDL play 1_1240403	3.23	five_prime_UTR
AT3G50310	MITOGEN-ACTIVATED PROTEIN KINASE	Encodes a merr 3_18648865	3.23	exon
AT2G30362	na	Potential natura 2_12939488	3.23	exon
AT4G14300	na	RNA-binding (R 4_8230812	3.23	promoter
AT1G53370	na	F-box and asso 1_19913352	3.23	intergenic
AT2G32415	na	Polynucleotidyl 2_13765567	3.23	promoter
AT1G53380	na	Plant protein of 1_19913352	3.23	exon
AT4G23895	na	Pleckstrin homc 4_12426390	3.23	three_prime_UTR
AT4G23910	na	unknown proteir 4_12426390	3.23	promoter
AT4G23900	na	Nucleoside diph 4_12426390	3.23	three_prime_UTR
AT5G09655	na	pre-tRNA; tRNA 5_2993260	3.23	promoter
AT3G07120	na	RING/U-box sup 3_2254911	3.23	exon
AT5G23690	na	Polynucleotide 5_7987547	3.23	five_prime_UTR
AT4G36470	na	S-adenosyl-L-m 4_17214577	3.23	intergenic
AT4G36460	na	unknown proteir 4_17214577	3.23	proximal promoter
AT1G08115	na	U1A small nucle 1_2538254	3.23	promoter
AT1G26490	na	pre-tRNA; tRNA 1_9158182	3.23	promoter
AT1G64563	na	other RNA 1_23978508	3.23	promoter
AT1G79980	na	pre-tRNA; tRNA 1_30084114	3.23	promoter
AT1G79990	na	structural molec 1_30084114	3.23	promoter
AT2G14660	na	unknown proteir 2_6272372	3.23	promoter
AT1G01710	na	Acyl-CoA thioes 1_266367	3.23	three_prime_UTR
AT1G78840	na	F-box/RNI-like/f 1_29641272	3.23	promoter
AT3G08880	na	unknown proteir 3_2702810	3.23	promoter
AT3G16565	na	alanine-tRNA lig 3_5642767	3.23	promoter
AT3G42150	na	unknown proteir 3_14309304	3.23	promoter
AT3G56130	na	biotin/lipoyl attar 3_20826668	3.23	five_prime_UTR
AT4G02720	na	unknown proteir 4_1205947	3.23	promoter
AT4G02660	na	Beige/BEACH c 4_1176252	3.23	proximal promoter
AT4G02725	na	unknown proteir 4_1205947	3.23	promoter
AT4G16600	na	Nucleotide-diph 4_9347858	3.23	proximal promoter
AT5G44680	na	DNA glycosylas 5_18024208	3.23	downstream
AT5G60190	na	Encodes a prot 5_24234424	3.23	promoter
AT5G35970	na	P-loop containir 5_14123424	3.23	promoter
AT5G09330	NAC DOMAIN CONTAINING PROTEIN 82	NAC domain co 5_2892883	3.23	exon
AT5G09660	PEROXISOMAL NAD-MALATE DEHYDR	encodes a micr 5_2993260	3.23	downstream
AT5G65158	PLAT DOMAIN PROTEIN 3 (PLAT3)	Lipase/lipooxyq 5_26027920	3.23	proximal promoter
AT3G06300	PROLYL 4-HYDROXYLASE 2 (P4H2)	Encodes a prol 3_1910886	3.23	intergenic
AT5G09650	PYROPHOSPHORYLASE 6 (PPa6)	Encodes a prot 5_2993260	3.23	promoter
AT4G39890	RAB GTPASE HOMOLOG H1C (RABH1c	RAB GTPase h 4_18505984	3.23	five_prime_UTR
AT3G07040	RESISTANCE TO P. SYRINGAE PV MAC	Contains an N-t 3_2229169	3.23	promoter
AT3G56380	RESPONSE REGULATOR 17 (RR17)	response regul 3_20904673	3.23	proximal promoter
AT3G03600	RIBOSOMAL PROTEIN S2 (RPS2)	Structural comp 3_868645	3.23	promoter
AT4G11370	RING-H2 FINGER A1A (RHA1A)	Encodes a puta 4_6908137	3.23	exon
AT2G30360	SOS3-INTERACTING PROTEIN 4 (SIP4)	Encodes a SOS 2_12939488	3.23	proximal promoter
AT4G34720	(AVA-P1)	vacuolar H+-pui 4_16569395	3.22	promoter

AT2G37970	(SOUL-1)	SOUL-1; FUNC 2_15890775	3.22	promoter
AT1G69440	ARGONAUTE7 (AGO7)	Encodes ARG 1_26105698	3.22	proximal promoter
AT4G26140	BETA-GALACTOSIDASE 12 (BGAL12)	putative beta-gal_13249793	3.22	proximal promoter
AT3G56000	CELLULOSE SYNTHASE LIKE A14 (CSL)	encodes a gene 3_20786243	3.22	promoter
AT1G80790	FACTOR OF DNA METHYLATION 5 (FDN)	Belongs to a sui 1_30363294	3.22	three_prime_UTR
AT3G61890	HOMEBOX 12 (HB-12)	Encodes a hom 3_22913465	3.22	intergenic
AT1G14380	IQ-DOMAIN 28 (IQD28)	IQ-domain 28 (I 1_4921659	3.22	promoter
AT4G16260	na	Glycosyl hydrol 4_9199927	3.22	downstream
AT1G26920	na	unknown protei 1_9328706	3.22	proximal promoter
AT1G52590	na	Putative thiol-di 1_19590373	3.22	promoter
AT1G79510	na	Uncharacterize 1_29912020	3.22	proximal promoter
AT1G79950	na	RAD3-like DNA 1_30073553	3.22	promoter
AT1G80800	na	pseudogene, 4C 1_30363294	3.22	proximal promoter
AT2G36200	na	P-loop containir 2_15185494	3.22	promoter
AT1G61900	na	unknown protei 1_22879915	3.22	intergenic
AT1G79520	na	Cation efflux far 1_29912020	3.22	downstream
AT3G57120	na	Protein kinase s 3_21139059	3.22	five_prime_UTR
AT4G02100	na	Heat shock prot 4_928767	3.22	proximal promoter
AT4G17680	na	SBP (S-ribonuc 4_9844301	3.22	promoter
AT4G30010	na	unknown protei 4_14674485	3.22	intergenic
AT4G34730	na	ribosome-bindin 4_16569395	3.22	intron
AT5G08310	na	Tetratricopeptid 5_2675413	3.22	promoter
AT5G20810	na	SAUR-like auxir 5_7043758	3.22	promoter
AT5G61950	na	Ubiquitin carbox 5_24873204	3.22	promoter
AT5G09350	PHOSPHATIDYLINOSITOL 4-OH KINASE	Encodes a phos 5_2906257	3.22	promoter
AT4G16250	PHYTOCHROME D (PHYD)	Encodes a phyt 4_9199927	3.22	promoter
AT2G31680	RAB GTPASE HOMOLOG A5D (RABA5d)	RAB GTPase ho 2_13475061	3.22	promoter
AT1G58470	RNA-BINDING PROTEIN 1 (RBP1)	encodes an RN 1_21727013	3.22	promoter
AT1G31600	TRNA METHYLTRANSFERASE 9 (TRM9)	RNA-binding (R 1_11316632	3.22	promoter
AT1G70560	TRYPTOPHAN AMINOTRANSFERASE O	TAA1 is involve 1_26601969	3.22	proximal promoter
AT4G16160	(ATOEP16-2)	Homologous to 4_9157289	3.21	promoter
AT2G38120	AUXIN RESISTANT 1 (AUX1)	Encodes an au 2_15964326	3.21	intergenic
AT1G51070	BASIC HELIX-LOOP-HELIX 115 (bHLH11)	basic Helix-Loo 1_18926785	3.21	proximal promoter
AT4G31840	EARLY NODULIN-LIKE PROTEIN 15 (EN)	early nodulin-lik 4_15401488	3.21	promoter
AT3G26650	GLYCERALDEHYDE 3-PHOSPHATE DEH	Encodes one of 3_9794972	3.21	promoter
AT4G00150	HAIRY MERISTEM 3 (HAM3)	Belongs to one 4_59295	3.21	promoter
AT1G51060	HISTONE H2A 10 (HTA10)	Encodes HTA1(1_18926785	3.21	promoter
AT2G42880	MAP KINASE 20 (MPK20)	member of MAF 2_17845071	3.21	proximal promoter
AT1G15165	na	RING/FYVE/PH 1_5220263	3.21	promoter
AT2G20480	na	unknown protei 2_8831622	3.21	promoter
AT1G15670	na	Galactose oxid 1_5391063	3.21	exon
AT2G46930	na	Pectinacetylest 2_19283135	3.21	promoter
AT1G64470	na	Ubiquitin-like su 1_23946220	3.21	promoter
AT4G16155	na	dihydrolipoyl dei 4_9157289	3.21	exon
AT5G04060	na	S-adenosyl-L-m 5_1099028	3.21	promoter
AT1G18550	na	ATP binding mic 1_6384592	3.21	promoter
AT1G66910	na	Protein kinase s 1_24965278	3.21	proximal promoter
AT1G66920	na	Protein kinase s 1_24965278	3.21	downstream
AT1G69550	na	disease resistar 1_26153727	3.21	promoter
AT2G06860	na	transposable elk 2_2764947	3.21	proximal promoter
AT2G17305	na	CONTAINS Inte 2_7525986	3.21	proximal promoter
AT2G42955	na	unknown protei 2_17867749	3.21	promoter
AT1G29450	na	SAUR-like auxir 1_10306640	3.21	promoter
AT2G43590	na	Chitinase family 2_18081568	3.21	three_prime_UTR
AT1G68872	na	Unknown gene 1_25891835	3.21	promoter
AT3G63290	na	2-oxoglutarate (3_23381594	3.21	promoter
AT3G63280	NIMA-RELATED KINASE 4 (NEK4)	Encodes AtNek 3_23381594	3.21	downstream
AT4G22540	OSBP(OXYSTEROL BINDING PROTEIN)	OSBP(oxyestero 4_11864538	3.21	intron
AT4G12110	STEROL-4ALPHA-METHYL OXIDASE 1-1	Encodes a merr 4_7254028	3.21	promoter
AT2G02760	UBIQUITIN-CONJUGATING ENZYME 2	ubiquitin conjug 2_773671	3.21	promoter
AT2G28840	XB3 ORTHOLOG 1 IN ARABIDOPSIS TH	XB3 ortholog 1 1_2_12378265	3.21	promoter
AT2G06850	XYLOGLUCAN ENDOTRANSGLUCOSYL	endoxyloglucan 2_2764947	3.21	intron
AT1G76410	(ATL8)	ATL8; FUNCTIC 1_28668129	3.2	proximal promoter
AT4G26420	(GAMT1)	A member of the 4_13350532	3.2	intergenic
AT3G21870	CYCLIN P2;1 (CYCP2;1)	cyclin p2;1 (CY 3_7704954	3.2	promoter
AT2G46840	DOMAIN OF UNKNOWN FUNCTION 724	Member of the f 2_19249911	3.2	promoter
AT5G41370	HOMOLOG OF XERODERMA PIGMENTI	Encodes XPB1, 5_16551098	3.2	promoter
AT3G21420	LATERAL BRANCHING OXIDOREDUCTA	2-oxoglutarate (3_7544350	3.2	intergenic
AT3G06140	LOG2-LIKE UBIQUITIN LIGASE4 (LUL4)	Paralog of LOG 3_1856728	3.2	three_prime_UTR
AT5G39240	na	Encodes a atyp 5_15713148	3.2	promoter
AT1G03240	na	unknown protei 1_793213	3.2	promoter
AT1G30310	na	transposable elk 1_10677127	3.2	proximal promoter
AT1G74440	na	Protein of unknt 1_27980512	3.2	promoter
AT2G18320	na	F-box associate 2_7958019	3.2	intergenic
AT1G30590	na	RNA polymeras 1_10840004	3.2	five_prime_UTR
AT2G37220	na	Encodes a chlor 2_15631919	3.2	intergenic
AT3G06130	na	Heavy metal tra 3_1856728	3.2	proximal promoter
AT3G28080	na	nodulin MtN21-I 3_10451441	3.2	promoter
AT3G55880	na	A gain-of-functic 3_20737782	3.2	three_prime_UTR
AT3G58060	na	Cation efflux far 3_21503381	3.2	intergenic
AT4G28400	na	Protein phosph 4_14047885	3.2	promoter
AT5G37540	na	Eukaryotic aspa 5_14912079	3.2	proximal promoter
AT4G39050	na	Kinesin motor fe 4_18193040	3.2	promoter
AT1G56430	NICOTIANAMINE SYNTHASE 4 (NAS4)	Encodes a prot 1_21133683	3.2	intergenic
AT2G39970	PEROXISOMAL NAD CARRIER (PXN)	Encodes peroxi 2_16686749	3.2	promoter
AT3G12250	TGACG MOTIF-BINDING FACTOR 6 (TG)	basic leucine zif 3_3905394	3.2	promoter
AT1G64230	UBIQUITIN-CONJUGATING ENZYME 28	ubiquitin-conjuga 1_23833540	3.2	promoter
AT3G25620	ATP-BINDING CASSETTE G21 (ABCG21)	ABC-2 type tran 3_9319557	3.19	five_prime_UTR
AT5G20540	BREVIS RADIX-LIKE 4 (BRXL4)	Belongs to five- 5_6947329	3.19	proximal promoter
AT5G40200	DEGP PROTEASE 9 (DegP9)	Encodes a puta 5_16070162	3.19	promoter
AT4G17060	FRIGIDA INTERACTING PROTEIN 2 (FIP)	Encodes one of 4_9595257	3.19	promoter
AT4G21860	METHIONINE SULFOXIDE REDUCTASE	methionine sulf 4_11598191	3.19	intergenic
AT1G48830	na	Ribosomal prote 1_18061474	3.19	promoter
AT1G48840	na	Plant protein of 1_18061474	3.19	promoter

AT2G35208	na	unknown proteir 2_14835193	3.19	proximal promoter
AT2G18560	na	UDP-Glycosyltr 2_8059839	3.19	exon
AT3G47240	na	transposable elk 3_17397741	3.19	proximal promoter
AT5G49440	na	unknown proteir 5_20049605	3.19	downstream
AT3G06210	na	ARM repeat sur 3_1880687	3.19	exon
AT5G12940	na	Leucine-rich ref 5_4088407	3.19	exon
AT1G67480	na	Galactose oxide 1_25276205	3.19	promoter
AT2G34590	na	Transketolase fi 2_14571038	3.19	promoter
AT2G40460	na	Major facilitator 2_16897978	3.19	intron
AT3G25805	na	unknown proteir 3_9428365	3.19	promoter
AT4G17070	na	peptidyl-prolyl c 4_9595257	3.19	downstream
AT4G15955	na	alpha/beta-Hydr 4_9046146	3.19	proximal promoter
AT4G15960	na	alpha/beta-Hydr 4_9046146	3.19	exon
AT4G22170	na	CONTAINS Inte 4_11736376	3.19	promoter
AT4G26860	na	Predicted pyridc 4_13505244	3.19	promoter
AT4G26870	na	Class II aminoai 4_13505244	3.19	promoter
AT5G09880	na	Splicing factor, i5_3085308	3.19	promoter
AT5G09890	na	Protein kinase fi 5_3085308	3.19	intergenic
AT5G21130	na	Late embryoger 5_7186729	3.19	exon
AT5G51170	na	unknown proteir 5_20795418	3.19	promoter
AT5G55340	na	MBOAT (memb 5_22441163	3.19	promoter
AT3G54960	PDI-LIKE 1-3 (PDL1-3)	Encodes a prots 3_20366944	3.19	promoter
AT2G29650	PHOSPHATE TRANSPORTER 4:1 (PHT4	Encodes an ino 2_12676128	3.19	promoter
AT1G70730	PHOSPHOGLUCOMUTASE 2 (PGM2)	Encodes a cyto: 1_26672988	3.19	intron
AT1G28230	PURINE PERMEASE 1 (PUP1)	Encodes a trans 1_9864713	3.19	promoter
AT3G57860	UV-B-INSENSITIVE 4-LIKE (UVI4-LIKE)	Encodes a prot 3_21426123	3.19	promoter
AT2G45190	ABNORMAL FLORAL ORGANS (AFO)	Encodes a merr 2_18632204	3.18	proximal promoter
AT3G46970	ALPHA-GLUCAN PHOSPHORYLASE 2 (F	Encodes a cyto: 3_17306513	3.18	promoter
AT2G16500	ARGININE DECARBOXYLASE 1 (ADC1)	encodes a argir 2_7153295	3.18	five_prime_UTR
AT5G52570	BETA-CAROTENE HYDROXYLASE 2 (BE	Converts ^f 5_21335583	3.18	intron
AT3G56940	COPPER RESPONSE DEFECT 1 (CRD1)	Encodes a puta 3_21076367	3.18	promoter
AT5G14320	EMBRYO DEFECTIVE 3137 (EMB3137)	Ribosomal prote 5_4618963	3.18	promoter
AT5G10140	FLOWERING LOCUS C (FLC)	MADS-box prot 5_3179554	3.18	promoter
AT2G44950	HISTONE MONO-UBIQUITINATION 1 (HL	The gene encoc 2_18548612	3.18	promoter
AT4G29150	IQ-DOMAIN 25 (IQD25)	IQ-domain 25 (I 4_14376693	3.18	proximal promoter
AT2G17130	ISOCITRATE DEHYDROGENASE SUBU	Encodes a requ 2_7462649	3.18	promoter
AT3G56930	na	DHHC-type zinc 3_21076367	3.18	downstream
AT5G55640	na	unknown proteir 5_22534150	3.18	promoter
AT5G09800	na	ARM repeat sur 5_3043471	3.18	exon
AT3G02840	na	ARM repeat sur 3_618842	3.18	exon
AT5G02730	na	CAP (Cysteine- 5_615846	3.18	exon
AT1G66820	na	glycine-rich prot 1_24930903	3.18	intergenic
AT1G66830	na	Leucine-rich ref 1_24930903	3.18	exon
AT3G14130	na	Aldolase-type T 3_4688303	3.18	five_prime_UTR
AT1G04790	na	RING/U-box suj 1_1344979	3.18	promoter
AT1G06650	na	encodes a prote 1_2035703	3.18	promoter
AT1G22110	na	structural consti 1_7802555	3.18	five_prime_UTR
AT1G49420	na	Heavy metal tra 1_18288073	3.18	exon
AT1G80870	na	Protein kinase s 1_30391112	3.18	proximal promoter
AT2G02960	na	RING/FYVE/PH 2_864472	3.18	promoter
AT2G03250	na	EXS (ERD1/XPI 2_982183	3.18	exon
AT2G30120	na	unknown proteir 2_12863201	3.18	proximal promoter
AT1G06645	na	2-oxoglutarate (1_2035703	3.18	downstream
AT2G39300	na	unknown proteir 2_16413705	3.18	promoter
AT2G44970	na	alpha/beta-Hydr 2_18548612	3.18	downstream
AT1G74088	na	FUNCTIONS IN 1_27861112	3.18	promoter
AT3G11130	na	Claithrin, heavy 3_3491961	3.18	promoter
AT2G23171	na	unknown proteir 2_9868858	3.18	proximal promoter
AT2G25800	na	CONTAINS Inte 2_11010585	3.18	proximal promoter
AT2G28200	na	C2H2-type zinc 2_12021523	3.18	proximal promoter
AT3G16740	na	F-box and asso 3_5699281	3.18	promoter
AT4G18570	na	Tetratricopeptid 4_10233670	3.18	intron
AT4G18580	na	unknown proteir 4_10233670	3.18	intergenic
AT4G31351	na	This gene encoi 4_15216290	3.18	proximal promoter
AT5G40720	na	CONTAINS Inte 5_16297239	3.18	proximal promoter
AT4G35905	na	unknown proteir 4_17008214	3.18	promoter
AT5G65535	na	pre-tRNA; tRNA 5_26195576	3.18	downstream
AT3G46980	PHOSPHATE TRANSPORTER 4:3 (PHT4	Encodes an ino 3_17306513	3.18	intergenic
AT2G38670	PHOSPHORYLETHANOLAMINE CYTIDY	Encodes a mito: 2_16168681	3.18	promoter
AT3G02850	STELAR K+ OUTWARD RECTIFIER (SKC	Encodes SKOR 3_618842	3.18	intergenic
AT5G60970	TEOSINTE BRANCHED 1, CYCLOIDEA A	TCP gene invol 5_24538150	3.18	proximal promoter
AT3G15355	UBIQUITIN-CONJUGATING ENZYME 25	ubiquitin-conjuq 3_5183534	3.18	promoter
AT5G48230	ACETOACETYL-COA THIOLASE 2 (ACA1	Encodes an ace 5_19555315	3.17	five_prime_UTR
AT2G37300	ATP-BINDING CASSETTE I16 (ABC116)	unknown proteir 2_15662476	3.17	downstream
AT5G52060	BCL-2-ASSOCIATED ATHANOGENE 1 (E	A member of Ar 5_21156257	3.17	proximal promoter
AT5G53130	CYCLIC NUCLEOTIDE GATED CHANNEL	member of Cycl 5_21540962	3.17	five_prime_UTR
AT3G11170	FATTY ACID DESATURASE 7 (FAD7)	Chloroplastic er 3_3499327	3.17	promoter
AT2G45200	GOLGI SNARE 12 (GOS12)	Encodes a merr 2_18639907	3.17	intron
AT2G22496	MICRORNA779A (MIR779A)	Encodes a micr 2_9561712	3.17	intergenic
AT5G67080	MITOGEN-ACTIVATED PROTEIN KINASE	member of MEK 5_26770532	3.17	proximal promoter
AT1G11430	MULTIPLE ORGANELLAR RNA EDITING	Encodes a prot 1_3849243	3.17	downstream
AT1G12190	na	F-box and asso 1_4132454	3.17	intergenic
AT1G73870	na	B-box type zinc 1_27781008	3.17	intergenic
AT1G73875	na	DNAse I-like suj 1_27781008	3.17	five_prime_UTR
AT3G10780	na	emp24/gp25L/p 3_3374970	3.17	promoter
AT3G10770	na	Single-stranded 3_3374970	3.17	proximal promoter
AT5G57340	na	unknown proteir 5_23222956	3.17	intergenic
AT1G67570	na	Protein of unkn 1_25325197	3.17	five_prime_UTR
AT1G07380	na	Neutral/alkaline 1_2266579	3.17	exon
AT1G11440	na	BEST Arabidop: 1_3849243	3.17	promoter
AT1G17570	na	pre-tRNA; tRNA 1_6038795	3.17	exon
AT1G48325	na	Expressed prot 1_17860431	3.17	intergenic
AT1G73580	na	Calcium-depend 1_27656273	3.17	intergenic
AT2G17787	na	unknown proteir 2_7731066	3.17	promoter

AT2G23330	na	transposable elk 2_9932801	3.17	promoter
AT1G11300	na	protein serine/thr 1_3794124	3.17	promoter
AT2G37290	na	Ypt/Rab-GAP d 2_15662476	3.17	proximal promoter
AT2G41770	na	Protein of unknc 2_17427292	3.17	promoter
AT2G45750	na	S-adenosyl-L-m 2_18842086	3.17	promoter
AT3G09010	na	Protein kinase s 3_2749423	3.17	proximal promoter
AT3G11165	na	unknown proteir 3_3499327	3.17	promoter
AT2G32760	na	unknown proteir 2_13894841	3.17	downstream
AT3G22770	na	F-box associate 3_8048663	3.17	exon
AT3G50590	na	Transducin/WD 3_18770893	3.17	promoter
AT4G22530	na	S-adenosyl-L-m 4_11859531	3.17	exon
AT4G39380	na	FUNCTIONS IN 4_18312892	3.17	promoter
AT4G39820	na	Tetratricopeptid 4_18478384	3.17	promoter
AT5G02340	na	Cysteine/Histidi 5_494994	3.17	proximal promoter
AT5G22090	na	Protein of unknc 5_7318595	3.17	intron
AT5G37740	na	Calcium-depent 5_14992763	3.17	intron
AT4G30996	NA(+)- AND K(+)-SENSITIVE 1 (NKS1)	NKS1, a plant-s 4_15101278	3.17	promoter
AT4G22540	OSBP(OXYSTEROL BINDING PROTEIN)	OSBP(oxyestero 4_11859531	3.17	intergenic
AT5G58360	OVATE FAMILY PROTEIN 3 (OFP3)	ovate family pro 5_23588233	3.17	intergenic
AT2G45740	PEROXIN 11D (PEX11D)	member of the r 2_18842086	3.17	intergenic
AT2G32765	SMALL UBIQUITINRELATED MODIFIER 1	Encodes a smal 2_13894841	3.17	promoter
AT5G13750	ZINC INDUCED FACILITATOR-LIKE 1 (ZIF1)	zinc induced fac 5_4438116	3.17	promoter
AT3G12400	(ELC)	Mutants of this r 3_3945877	3.16	promoter
AT5G13490	ADP/ATP CARRIER 2 (AAC2)	Encodes mitoch 5_4335334	3.16	promoter
AT3G01770	BROMODOMAIN AND EXTRATERMINAL	bromodomain a 3_278875	3.16	promoter
AT5G41610	CATION/H+ EXCHANGER 18 (CHX18)	member of Puta 5_16638247	3.16	downstream
AT5G50250	CHLOROPLAST RNA-BINDING PROTEIN	Encodes a RNA 5_20454286	3.16	promoter
AT1G08130	DNA LIGASE 1 (LIG1)	Encodes the Ar: 1_2548336	3.16	promoter
AT3G03810	EMBRYO SAC DEVELOPMENT ARREST	embryo sac dev 3_976526	3.16	promoter
AT2G20680	ENDO-BETA-MANNASE 2 (MAN2)	Glycosyl hydroly 2_8919968	3.16	promoter
AT2G44840	ETHYLENE-RESPONSIVE ELEMENT BINDING	encodes a mem 2_18495355	3.16	five_prime_UTR
AT1G73250	GDP-4-KETO-6-DEOXYMANNOSE-3,5-EPI	encodes a bifun 1_27546524	3.16	promoter
AT5G15570	na	Bromodomain tr 5_5066168	3.16	promoter
AT3G56330	na	N2,N2-dimethylr 3_20890167	3.16	promoter
AT3G54830	na	Transmembran 3_20316906	3.16	proximal promoter
AT4G04692	na	pseudogene of 4_2375746	3.16	intron
AT2G31990	na	Exostosin family 2_13612903	3.16	intron
AT3G09470	na	Major facilitator 3_2911349	3.16	intron
AT5G09800	na	ARM repeat sup 5_3045224	3.16	proximal promoter
AT1G28600	na	GDSL-like Lipas 1_10053260	3.16	promoter
AT1G28610	na	GDSL-like Lipas 1_10053260	3.16	intergenic
AT1G43997	na	Pseudogene of 1_16705482	3.16	proximal promoter
AT1G63410	na	Protein of unknc 1_23509844	3.16	downstream
AT1G69250	na	Nuclear transp 1_26035578	3.16	downstream
AT2G36402	na	transposable elk 2_15275245	3.16	intergenic
AT1G69252	na	other RNA 1_26035578	3.16	proximal promoter
AT3G14075	na	Mono-/di-acylql 3_4667074	3.16	intron
AT3G32917	na	transposable elk 3_13480788	3.16	proximal promoter
AT3G44400	na	Disease resistai 3_16049778	3.16	promoter
AT4G10130	na	DNAJ heat shor 4_6321664	3.16	promoter
AT4G18820	na	AAA-type ATPa 4_10329901	3.16	promoter
AT4G20320	na	CTP synthase fi 4_10970983	3.16	intergenic
AT5G13240	na	transcription rec 5_4229566	3.16	proximal promoter
AT4G31170	na	Protein kinase s 4_15156566	3.16	proximal promoter
AT4G31180	na	Class II aminoac 4_15156566	3.16	intron
AT4G38401	na	unknown proteir 4_17979887	3.16	promoter
AT4G38405	na	unknown proteir 4_17979887	3.16	intergenic
AT5G41605	na	pre-tRNA; tRNA 5_16638247	3.16	exon
AT5G41612	na	Potential natura 5_16638247	3.16	promoter
AT5G66240	na	Transducin/WD 5_26466112	3.16	promoter
AT4G35790	PHOSPHOLIPASE D DELTA (PLDDELTA)	Encodes a prote 4_16960192	3.16	promoter
AT1G14870	PLANT CADMIUM RESISTANCE 2 (PCR2)	PCR2 encodes 1_5128996	3.16	exon
AT4G29720	POLYAMINE OXIDASE 5 (PAO5)	polyamine oxid 4_14558694	3.16	intergenic
AT4G35800	RNA POLYMERASE II LARGE SUBUNIT 1	Encodes the un 4_16960192	3.16	intergenic
AT5G41600	VIRB2-INTERACTING PROTEIN 3 (BT3)	VIRB2-interactir 5_16638247	3.16	intergenic
AT1G80920	(J8)	A nuclear encor 1_30404593	3.15	five_prime_UTR
AT1G13280	ALLENE OXIDE CYCLASE 4 (AOC4)	Encodes allene 1_4548628	3.15	three_prime_UTR
AT1G08080	ALPHA CARBONIC ANHYDRASE 7 (ACA7)	alpha carbonic : 1_2520845	3.15	proximal promoter
AT1G60260	BETA GLUCOSIDASE 5 (BGLU5)	beta glucosidas 1_22221535	3.15	promoter
AT1G60270	BETA GLUCOSIDASE 6 (BGLU6)	beta glucosidas 1_22221535	3.15	downstream
AT4G28860	CASEIN KINASE I-LIKE 4 (ckl4)	casein kinase I- 4_14246225	3.15	promoter
AT1G55620	CHLORIDE CHANNEL F (CLC-F)	Encodes a chlci 1_20791249	3.15	promoter
AT3G55040	GLUTATHIONE TRANSFERASE LAMBDA 1	Encodes a merr 3_20400324	3.15	five_prime_UTR
AT2G46370	JASMONATE RESISTANT 1 (JAR1)	Encodes a jasmr 2_19033685	3.15	promoter
AT1G77860	KOMPEITO (KOM)	mutant has Alte 1_29282026	3.15	intergenic
AT1G11000	MILDEW RESISTANCE LOCUS O 4 (MLC4)	A member of a l 1_3671248	3.15	intergenic
AT2G23290	MYB DOMAIN PROTEIN 70 (MYB70)	Member of the f 2_9905899	3.15	five_prime_UTR
AT5G12980	na	Cell differentiati 5_4108154	3.15	five_prime_UTR
AT3G09500	na	Ribosomal L29 : 3_2916862	3.15	promoter
AT3G15290	na	3-hydroxyacyl-C 3_5144872	3.15	promoter
AT3G25400	na	CONTAINS Inte 3_9213031	3.15	promoter
AT1G55625	na	pre-tRNA; tRNA 1_20791249	3.15	promoter
AT1G17145	na	RING/U-box su 1_5862704	3.15	promoter
AT3G55960	na	Haloacid dehalc 3_20763209	3.15	promoter
AT5G21326	na	Ca2+regulated : 5_7222150	3.15	downstream
AT5G21378	na	pre-tRNA; tRNA 5_7222150	3.15	promoter
AT1G06790	na	RNA polymeras 1_2089884	3.15	downstream
AT1G10990	na	unknown proteir 1_3671248	3.15	promoter
AT1G56230	na	Protein of unknc 1_21048675	3.15	intron
AT1G72855	na	Potential natura 1_27416135	3.15	promoter
AT1G79190	na	ARM repeat su 1_29788443	3.15	promoter
AT2G17030	na	CONTAINS Inte 2_7399017	3.15	promoter
AT1G80930	na	MIF4G domain- 1_30404593	3.15	intergenic
AT3G17830	na	Molecular chapr 3_6101756	3.15	promoter

AT3G26511	na	unknown proteir 3_9717158	3.15	intergenic
AT3G55050	na	Protein phosph 3_20400324	3.15	downstream
AT3G60320	na	Protein of unkn 3_22296802	3.15	proximal promoter
AT4G00585	na	unknown proteir 4_252684	3.15	promoter
AT4G00590	na	N-terminal nucle 4_252684	3.15	promoter
AT4G31200	na	SWAP (Suppre: 4_15164992	3.15	promoter
AT4G39020	na	SH3 domain-coi 4_18183192	3.15	intron
AT5G21430	NADH DEHYDROGENASE-LIKE COMPLI	Chaperone Dna 5_7222150	3.15	promoter
AT1G06800	PHOSPHOLIPASE A I GAMMA 1 (PLA-I)	g Encodes a lipas 1_2089884	3.15	intron
AT1G61520	PHOTOSYSTEM I LIGHT HARVESTING C	PSI type III chlo 1_22699978	3.15	intron
AT5G65830	RECEPTOR LIKE PROTEIN 57 (RLP57)	receptor like prc 5_26343331	3.15	promoter
AT5G05080	UBIQUITIN-CONJUGATING ENZYME 22	ubiquitin-conjug 5_1500826	3.15	promoter
AT5G63860	UVB-RESISTANCE 8 (UVR8)	UV-B-specific si 5_25559901	3.15	promoter
AT5G61840	(GUT1)	GUT1; CONTAI 5_24842095	3.14	promoter
AT5G67520	ADENOSINE-5'-PHOSPHOSULFATE (AP	Provides activat 5_26941101	3.14	downstream
AT1G28290	ARABINOGLACTAN PROTEIN 31 (AGP	Encodes an aty1_9892817	3.14	proximal promoter
AT5G22740	CELLULOSE SYNTHASE-LIKE A02 (CSL	encodes a beta- 5_7559240	3.14	intron
AT3G27160	GLUCOSE HYPERSENSITIVE 1 (GHS1)	GHS1 encodes 3_10017378	3.14	promoter
AT2G17480	MILDEW RESISTANCE LOCUS O 8 (MLC	A member of a l 2_7597395	3.14	intergenic
AT4G39120	MYO-INOSITOL MONOPHOSPHATASE L	Encodes a chloi_18227935	3.14	exon
AT3G30300	na	O-fucosyltransf 3_11924386	3.14	five_prime_UTR
AT4G29103	na	unknown proteir 4_14346735	3.14	promoter
AT1G16100	na	pre-tRNA; tRNA 1_5518265	3.14	promoter
AT2G37035	na	unknown proteir 2_15556838	3.14	promoter
AT1G12390	na	Cornichon famil 1_4220044	3.14	promoter
AT5G27770	na	Ribosomal L22e 5_9835827	3.14	promoter
AT1G34220	na	Regulator of Vp 1_12466169	3.14	promoter
AT1G27285	na	transposable elk 1_9478783	3.14	exon
AT1G27290	na	unknown proteir 1_9478783	3.14	proximal promoter
AT3G05675	na	BTB/POZ doma 3_1657478	3.14	intergenic
AT3G18620	na	DHHC-type zinc 3_6408067	3.14	promoter
AT3G05670	na	RING/U-box prc 3_1657478	3.14	intergenic
AT3G44430	na	unknown proteir 3_16068850	3.14	exon
AT3G57950	na	unknown proteir 3_21460314	3.14	promoter
AT4G17620	na	glycine-rich prot 4_9821861	3.14	promoter
AT4G26400	na	RING/U-box suj 4_13346586	3.14	five_prime_UTR
AT4G17616	na	Pentatricopeptic 4_9821861	3.14	downstream
AT4G33960	na	unknown proteir 4_16275129	3.14	proximal promoter
AT4G26410	na	Uncharacterise 4_13346586	3.14	promoter
AT5G02385	na	pre-tRNA; tRNA 5_508138	3.14	intergenic
AT5G03560	na	Tetratricopeptid 5_902820	3.14	promoter
AT5G38300	na	unknown proteir 5_15307632	3.14	intergenic
AT5G42880	na	Plant protein of 5_17191394	3.14	promoter
AT5G44568	na	unknown proteir 5_17962201	3.14	five_prime_UTR
AT5G55600	na	agenet domain- 5_22525700	3.14	promoter
AT4G33950	OPEN STOMATA 1 (OST1)	Encodes calciur 4_16275129	3.14	intergenic
AT5G67530	PLANT U-BOX 49 (PUB49)	plant U-box 49 (5_26941101	3.14	promoter
AT2G37080	ROP INTERACTIVE PARTNER 3 (RIP3)	Encodes RIP3 (2_15585273	3.14	promoter
AT5G56760	SERINE ACETYLTTRANSFERASE 1;1 (SE	Encodes a cyto: 5_22962715	3.14	promoter
AT1G06110	SKP1/ASK-INTERACTING PROTEIN 16 (	SKP1/ASK-inter 1_1855085	3.14	promoter
AT4G08810	(SUB1)	Calcium binding 4_5618820	3.13	proximal promoter
AT4G08930	APR-LIKE 6 (APRL6)	Encodes a prot 4_5729434	3.13	five_prime_UTR
AT2G06255	ELF4-LIKE 3 (ELF4-L3)	ELF4-like 3 (ELI 2_2458818	3.13	intron
AT1G79830	GOLGIN CANDIDATE 5 (GC5)	This gene is pre 1_30027643	3.13	downstream
AT3G57550	GUANYLATE KINASE (AGK2)	guanylate kinas 3_21305106	3.13	proximal promoter
AT2G18170	MAP KINASE 7 (MPK7)	MAP kinase 7 (I 2_7905563	3.13	intergenic
AT2G39200	MILDEW RESISTANCE LOCUS O 12 (ML	A member of a l 2_16361967	3.13	proximal promoter
AT4G16770	na	2-oxoglutarate (4_9440846	3.13	intergenic
AT2G38610	na	RNA-binding Kf 2_16150056	3.13	promoter
AT5G43870	na	FUNCTIONS IN 5_17636847	3.13	proximal promoter
AT5G02860	na	Pentatricopeptic 5_653867	3.13	promoter
AT2G33140	na	pre-tRNA; tRNA 2_14047423	3.13	exon
AT2G38180	na	SGNH hydrolas 2_15995734	3.13	proximal promoter
AT3G23510	na	Cyclopropane-fi 3_8428440	3.13	intron
AT3G45030	na	Ribosomal prote 3_16472500	3.13	promoter
AT3G51500	na	unknown proteir 3_19108062	3.13	promoter
AT3G42170	na	transposase-like 3_14318369	3.13	proximal promoter
AT3G45040	na	Encodes a puta 3_16472500	3.13	downstream
AT3G47630	na	CONTAINS Inte 3_17565524	3.13	promoter
AT3G55795	na	pre-tRNA; tRNA 3_20709398	3.13	downstream
AT5G18490	na	Plant protein of 5_6133937	3.13	downstream
AT5G15120	na	Protein of unkn 5_4898658	3.13	promoter
AT5G60570	na	Galactose oxid 5_24350795	3.13	intergenic
AT1G51390	NFU DOMAIN PROTEIN 5 (NFU5)	Encodes a prot 1_19050330	3.13	promoter
AT2G33150	PEROXISOMAL 3-KETOACYL-COA THIO	Encodes an org 2_14047423	3.13	downstream
AT5G18480	PLANT GLYCOGENIN-LIKE STARCH INI	plant glycogenir 5_6133937	3.13	promoter
AT2G34640	PLASTID TRANSCRIPTIONALLY ACTIVE	Present in trans 2_14587841	3.13	intergenic
AT5G55260	PROTEIN PHOSPHATASE X 2 (PPX2)	Encodes a prot 5_22416479	3.13	promoter
AT3G55800	SEDOHEPTULOSE-BISPHOSPHATASE (	Encodes the ch 3_20709398	3.13	five_prime_UTR
AT1G79820	SUPPRESSOR OF G PROTEIN BETA1 (S	SUPPRESSOR 1_30027643	3.13	promoter
AT3G47620	TEOSINTE BRANCHED, CYCLOIDEA AN	Encodes a trans 3_17556098	3.13	proximal promoter
AT2G27760	TRNAISOPENTENYLTRANSFERASE 2 (I	Encodes tRNA i 2_11827742	3.13	downstream
AT2G02810	UDP-GALACTOSE TRANSPORTER 1 (U	Encodes a multi 2_800851	3.13	proximal promoter
AT4G04640	(ATPC1)	One of two gene 4_2352012	3.12	five_prime_UTR
AT4G37790	(HAT22)	Encodes homec 4_17767912	3.12	promoter
AT4G13510	AMMONIUM TRANSPORTER 1;1 (AMT1;	Encodes a plasi 4_7858086	3.12	promoter
AT3G50000	CASEIN KINASE II, ALPHA CHAIN 2 (CK	Encodes the ca 3_18534447	3.12	promoter
AT5G49910	CHLOROPLAST HEAT SHOCK PROTEIN	Stromal heat sh 5_20303224	3.12	promoter
AT5G12170	CRT (CHLOROQUINE-RESISTANCE TR	Encodes one of 5_3931551	3.12	promoter
AT3G11220	ELONGATA 1 (ELO1)	A subunit of Elo 3_3513484	3.12	downstream
AT5G03280	ETHYLENE INSENSITIVE 2 (EIN2)	Involved in ethy 5_785582	3.12	proximal promoter
AT1G64970	GAMMA-TOCOPHEROL METHYLTRANS	gamma-tocophe 1_24136141	3.12	promoter
AT3G23290	LIGHT SENSITIVE HYPOCOTYLS 4 (LSH	LIGHT SENSITI 3_8325709	3.12	proximal promoter
AT5G54270	LIGHT-HARVESTING CHLOROPHYLL B-	Lhcb3 protein is 5_22038306	3.12	five_prime_UTR

AT5G54260	MEIOTIC RECOMBINATION 11 (MRE11)	DNA repair and	5_22038306	3.12	intergenic
AT1G70645	MICRORNA777A (MIR777A)	Encodes a micr	1_26637727	3.12	promoter
AT3G11210	na	SGNH hydrolas	3_3513484	3.12	promoter
AT3G01961	na	unknown protei	3_326149	3.12	intergenic
AT1G65950	na	Protein kinase s	1_24551217	3.12	promoter
AT1G66070	na	Translation initia	1_24598596	3.12	promoter
AT1G11300	na	protein serine/t	1_3797635	3.12	intron
AT1G31660	na	CONTAINS Inte	1_11330766	3.12	downstream
AT1G78010	na	tRNA modificati	1_29333405	3.12	promoter
AT3G58035	na	pre-tRNA; tRNA	3_21487426	3.12	downstream
AT4G13505	na	Potential natura	4_7858086	3.12	exon
AT5G64400	na	BEST Arabidop;	5_25750527	3.12	downstream
AT5G24890	na	unknown protei	5_8559416	3.12	promoter
AT5G64401	na	unknown protei	5_25750527	3.12	exon
AT1G08100	NITRATE TRANSPORTER 2.2 (NRT2.2)	Encodes a high	1_2530389	3.12	proximal promoter
AT5G64410	OLIGOPEPTIDE TRANSPORTER 4 (OPT	oligopeptide tra	5_25750527	3.12	intergenic
AT4G06746	RELATED TO AP2 9 (RAP2.9)	encodes a mem	4_4073733	3.12	downstream
AT1G31650	RHO GUANYL-NUCLEOTIDE EXCHANGI	Encodes a mem	1_11330766	3.12	promoter
AT1G31480	SHOOT GRAVITROPISM 2 (SGR2)	encodes a nove	1_11265794	3.12	promoter
AT2G31880	SUPPRESSOR OF BIR1 1 (SOBIR1)	Encodes a puta	2_13554969	3.12	exon
AT5G46350	WRKY DNA-BINDING PROTEIN 8 (WRK)	member of WR	5_18804685	3.12	proximal promoter
AT3G28210	(PMZ)	Encodes a puta	3_10520287	3.11	promoter
AT4G19700	(RING)	Encodes BOI (E	4_10713021	3.11	intergenic
AT3G19190	AUTOPHAGY 2 (ATG2)	Encodes autoph	3_6639645	3.11	promoter
AT1G64990	GPCR-TYPE G PROTEIN 1 (GTG1)	Encodes a GPC	1_24146155	3.11	intron
AT2G46260	LIGHT-RESPONSE BTB 1 (LRB1)	Involvement in	2_18995949	3.11	promoter
AT1G28395	na	unknown protei	1_9971503	3.11	five_prime_UTR
AT5G64130	na	cAMP-regulatec	5_25666322	3.11	promoter
AT3G28200	na	Peroxidase sup	3_10520287	3.11	intergenic
AT4G25433	na	peptidoglycan-b	4_13002817	3.11	proximal promoter
AT1G11950	na	Transcription fa	1_4039487	3.11	proximal promoter
AT1G55270	na	Galactose oxid	1_20620057	3.11	five_prime_UTR
AT2G44255	na	Potential natura	2_18297645	3.11	promoter
AT2G44260	na	Plant protein of	2_18297645	3.11	exon
AT3G19184	na	AP2/B3-like trar	3_6639645	3.11	intergenic
AT3G26539	na	unknown protei	3_9740498	3.11	intergenic
AT3G53960	na	Major facilitator	3_19980983	3.11	promoter
AT3G61810	na	Glycosyl hydro	3_22876984	3.11	promoter
AT4G02800	na	unknown protei	4_1249917	3.11	promoter
AT4G03298	na	unknown protei	4_1446425	3.11	promoter
AT4G31510	na	unknown protei	4_15276132	3.11	downstream
AT4G34600	na	unknown protei	4_16527838	3.11	proximal promoter
AT5G44010	na	unknown protei	5_17709446	3.11	promoter
AT5G12950	na	FUNCTIONS IN	5_4091286	3.11	proximal promoter
AT5G17780	na	alpha/beta-Hydr	5_5869062	3.11	promoter
AT2G01650	PLANT UBX DOMAIN-CONTAINING PRO	encodes a per	2_286643	3.11	promoter
AT3G54480	SKP1/ASK-INTERACTING PROTEIN 5 (S	Encodes an SK	3_20173438	3.11	promoter
AT1G49950	TELOMERE REPEAT BINDING FACTOR	Encodes a telor	1_18497254	3.11	promoter
AT3G13360	WPP DOMAIN INTERACTING PROTEIN :	Encodes an out	3_4340476	3.11	promoter
AT3G51800	(ATG2)	putative nuclear	3_19213783	3.1	promoter
AT2G35600	BREVIS RADIX-LIKE 1 (BRXL1)	Belongs to five-	2_14943980	3.1	intron
AT1G07430	HIGHLY ABA-INDUCED PP2C GENE 2 (H	highly ABA-indu	1_2284401	3.1	proximal promoter
AT5G02770	MODIFIER OF SNC1, 11 (MOS11)	Encodes a cons	5_629379	3.1	promoter
AT3G57560	N-ACETYL-L-GLUTAMATE KINASE (NAG	encodes a N-ac	3_21312330	3.1	promoter
AT2G46230	na	PIN domain-like	2_18986034	3.1	promoter
AT4G33980	na	FUNCTIONS IN	4_16285197	3.1	promoter
AT1G63950	na	Heavy metal tra	1_23734644	3.1	promoter
AT1G05140	na	Peptidase M50	1_1482479	3.1	promoter
AT1G63730	na	Disease resist	1_23645194	3.1	downstream
AT1G63740	na	Disease resist	1_23645194	3.1	promoter
AT1G76630	na	Tetrapicopeptid	1_28759433	3.1	promoter
AT1G77160	na	Protein of unkn	1_28997848	3.1	proximal promoter
AT2G02060	na	Homeodomain-l	2_497263	3.1	intron
AT2G02061	na	Nucleotide-diph	2_497263	3.1	proximal promoter
AT2G19120	na	P-loop containr	2_8292370	3.1	five_prime_UTR
AT2G38350	na	unknown protei	2_16069220	3.1	exon
AT2G45245	na	Unknown gene	2_18661375	3.1	promoter
AT2G45250	na	Integral membr	2_18661375	3.1	promoter
AT1G76620	na	Protein of unkn	1_28759433	3.1	downstream
AT3G13335	na	pre-tRNA; tRNA	3_4330919	3.1	downstream
AT3G62220	na	Protein kinase s	3_23031217	3.1	promoter
AT4G09150	na	T-complex prote	4_5828522	3.1	intron
AT4G03180	na	CONTAINS Inte	4_1403070	3.1	promoter
AT4G37440	na	unknown protei	4_17601188	3.1	promoter
AT5G14700	na	NAD(P)-binding	5_4740913	3.1	intron
AT5G18710	na	Domain of unkn	5_6240998	3.1	promoter
AT5G38020	na	encodes a prote	5_15170359	3.1	proximal promoter
AT2G28610	PRESSED FLOWER (PRS)	Encodes a hom	2_12259537	3.1	proximal promoter
AT3G13330	PROTEASOME ACTIVATING PROTEIN 2	Encodes a prote	3_4330919	3.1	proximal promoter
AT1G16240	SYNTAXIN OF PLANTS 51 (SYP51)	Encodes one of	1_5556859	3.1	promoter
AT5G59340	WUSCHEL RELATED HOMEBOX 2 (W	Encodes a WUS	5_23934758	3.1	promoter
AT5G33290	XYLOGALACTURONAN DEFICIENT 1 (X	Acts as a xylog	5_12560205	3.1	exon
AT5G56130	(TEX1)	Encodes a com	5_22725238	3.09	promoter
AT5G36880	ACETYL-COA SYNTHETASE (ACS)	Encodes a plasi	5_14540373	3.09	promoter
AT2G38400	ALANINE:GLYOXYLATE AMINOTRANSF	alanine:glyoxyla	2_16083732	3.09	five_prime_UTR
AT3G55260	BETA-HEXOSAMINIDASE 1 (HEXO1)	Encodes a prote	3_20489065	3.09	promoter
AT5G24630	BRASSINOSTEROID-INSENSITIVE4 (BIN	This gene is pre	5_8436152	3.09	five_prime_UTR
AT3G20410	CALMODULIN-DOMAIN PROTEIN KINAS	calmodulin-dom	3_7115958	3.09	promoter
AT4G28880	CASEIN KINASE I-LIKE 3 (ckl3)	casein kinase I-	4_14251111	3.09	promoter
AT2G01505	CLAVATA3/ESR-RELATED 16 (CLE16)	Member of a lar	2_229900	3.09	proximal promoter
AT1G49970	CLP PROTEASE PROTEOLYTIC SUBUN	Encodes a ClpF	1_18504748	3.09	promoter
AT1G17470	DEVELOPMENTALLY REGULATED G-PF	Encodes a mem	1_6002872	3.09	promoter
AT4G21200	GIBBERELLIN 2-OXIDASE 8 (GA2OX8)	Encodes a prote	4_11305594	3.09	intron
AT5G57350	H(+)-ATPASE 3 (HA3)	member of Plas	5_23235690	3.09	intron

AT3G17609	HY5-HOMOLOG (HYH)	Encodes a hom	3_6023716	3.09	promoter
AT1G26945	KIDARI (KDR)	Encodes a basi	1_9349026	3.09	proximal promoter
AT5G14010	KNUCKLES (KNU)	Encodes KNUC	5_4521126	3.09	proximal promoter
AT3G27220	na	Galactose oxide	3_10053848	3.09	promoter
AT3G27230	na	S-adenosyl-L-m	3_10053848	3.09	promoter
AT5G21960	na	encodes a mem	5_7258833	3.09	exon
AT3G60260	na	ELMO/CED-12	3_22273877	3.09	five_prime_UTR
AT1G32290	na	unknown protei	1_11650988	3.09	promoter
AT1G49975	na	INVOLVED IN;	i_1_18504748	3.09	promoter
AT1G69980	na	unknown protei	1_26357805	3.09	promoter
AT1G79740	na	hAT transposon	1_30007043	3.09	promoter
AT2G01510	na	Tetratricopeptid	2_229900	3.09	intergenic
AT2G29210	na	splicing factor	P_2_12557967	3.09	promoter
AT2G30105	na	CONTAINS Inte	2_12849659	3.09	promoter
AT2G30180	na	pre-tRNA; tRNA	2_12881550	3.09	promoter
AT2G37190	na	Ribosomal prote	2_15620190	3.09	promoter
AT2G30100	na	pentatricopeptic	2_12849659	3.09	three_prime_UTR
AT2G36470	na	Plant protein of	2_15300808	3.09	five_prime_UTR
AT3G51720	na	Plant protein of	3_19186638	3.09	downstream
AT3G51730	na	sapoin B doma	3_19186638	3.09	promoter
AT4G11300	na	CONTAINS Inte	4_6877031	3.09	intergenic
AT4G21445	na	unknown protei	4_11424723	3.09	five_prime_UTR
AT5G41900	na	alpha/beta-Hydr	5_16771085	3.09	intron
AT5G14080	na	Tetratricopeptid	5_4545446	3.09	promoter
AT5G27710	na	unknown protei	5_9812942	3.09	promoter
AT5G43140	na	Peroxisomal me	5_17321347	3.09	promoter
AT5G50805	na	pre-tRNA; tRNA	5_20675303	3.09	downstream
AT5G59613	na	unknown protei	5_24016629	3.09	promoter
AT1G79750	NADP-MALIC ENZYME 4 (NADP-ME4)	The malic enzyr	1_30007043	3.09	intergenic
AT2G30170	PHOTOSYSTEM II CORE PHOSPHATAS	Encodes a chl	2_12881550	3.09	promoter
AT4G21210	PPDK REGULATORY PROTEIN (RP1)	Encodes a PPD	4_11305594	3.09	proximal promoter
AT4G35020	RAC-LIKE 3 (RAC3)	A member of R	4_16672451	3.09	intron
AT2G37180	RESPONSIVE TO DESICCATION 28 (RD)	a member of the	2_15620190	3.09	intergenic
AT3G14350	STRUBBELIG-RECEPTOR FAMILY 7 (SR STRUBBELIG-r	3_4788004	3.09	proximal promoter	
AT5G43130	TBP-ASSOCIATED FACTOR 4 (TAF4)	TBP-associated	5_17321347	3.09	promoter
AT1G17460	TRF-LIKE 3 (TRFL3)	Arabidopsis th	1_6002872	3.09	downstream
AT1G24100	UDP-GLUCOSYL TRANSFERASE 74B1 (	Encodes a UDF	1_8525246	3.09	downstream
AT2G47170	(ARF1A1C)	Gene encoding	2_19366498	3.08	promoter
AT4G34030	3-METHYLCROTONYL-COA CARBOXYL	MCC-B is invol	4_16304151	3.08	downstream
AT1G27450	ADENINE PHOSPHORIBOSYL TRANSFE	Adenosine phos	1_9534457	3.08	intergenic
AT3G24503	ALDEHYDE DEHYDROGENASE 2C4 (AL	Arabidopsis th	3_8926027	3.08	proximal promoter
AT5G15160	BANQUO 2 (BNQ2)	BNQ2 belongs	1_5_4926004	3.08	intergenic
AT2G26900	BILE ACID:SODIUM SYMPORTER FAMIL	Sodium Bile aci	2_11478863	3.08	proximal promoter
AT1G48310	CHROMATIN REMODELING FACTOR18	chromatin remo	1_17853958	3.08	promoter
AT5G01600	FERRITIN 1 (FER1)	Encodes a ferr	5_226922	3.08	intergenic
AT3G21260	GLYCOLIPID TRANSFER PROTEIN 3 (GI	Glycolipid tran	3_7464998	3.08	intron
AT1G73360	HOMEDOMAIN GLABROUS 11 (HDG11	Encodes a hom	1_27584176	3.08	proximal promoter
AT3G50630	KIP-RELATED PROTEIN 2 (KRP2)	Kip-related prot	3_18800295	3.08	promoter
AT5G45550	MOB1-LIKE (MOB1-like)	Encodes a gene	5_18462121	3.08	promoter
AT2G18193	na	P-loop containir	2_7919490	3.08	promoter
AT5G49743	na	transposable el	5_20208976	3.08	promoter
AT5G49746	na	transposable el	5_20208976	3.08	promoter
AT4G34040	na	RING/U-box suj	4_16304151	3.08	downstream
AT4G34035	na	pre-tRNA; tRNA	4_16304151	3.08	exon
AT1G06860	na	pre-tRNA; tRNA	1_2108030	3.08	proximal promoter
AT1G14205	na	Ribosomal L18;	1_4855447	3.08	promoter
AT1G15450	na	pre-tRNA; tRNA	1_5309576	3.08	downstream
AT2G17490	na	transposable el	2_7604114	3.08	proximal promoter
AT1G48315	na	Potential natura	1_17853958	3.08	promoter
AT3G11580	na	AP2/B3-like trar	3_3652547	3.08	proximal promoter
AT4G16680	na	P-loop containir	4_9391745	3.08	proximal promoter
AT5G01595	na	Potential natura	5_226922	3.08	promoter
AT4G32250	na	Protein kinase	s_4_15573381	3.08	promoter
AT5G57580	na	Calmodulin-binc	5_23314497	3.08	downstream
AT5G62680	na	Major facilitator	5_25168125	3.08	promoter
AT5G01590	na	unknown protei	5_226922	3.08	three_prime_UTR
AT5G56520	na	unknown protei	5_22884392	3.08	proximal promoter
AT5G57570	na	GCK domain-cc	5_23314497	3.08	promoter
AT1G27460	NO POLLEN GERMINATION RELATED 1	encodes a calm	1_9534457	3.08	promoter
AT4G32260	PIGMENT DEFECTIVE 334 (PDE334)	ATPase, F0 cor	4_15573381	3.08	intergenic
AT1G73370	SUCROSE SYNTHASE 6 (SUS6)	Encodes a prot	1_27584176	3.08	intergenic
AT2G43710	SUPPRESSOR OF SA INSENSITIVE 2 (S	Encodes a stea	2_18119287	3.08	proximal promoter
AT1G03680	THIOREDOXIN M-TYPE 1 (THM1)	encodes a chl	1_918130	3.08	promoter
AT2G19450	TRIACYLGLYCEROL BIOSYNTHESIS DE	Encodes Acyl-C	2_8424693	3.08	proximal promoter
AT5G15170	TYROSYL-DNA PHOSPHODIESTERASE	tyrosyl-DNA ph	5_4926004	3.08	downstream
AT3G03900	ADENOSINE-5'-PHOSPHOSULFATE (AP	Provides activ	3_1004980	3.07	proximal promoter
AT4G33300	ADR1-LIKE 1 (ADR1-L1)	Encodes a merr	4_16056587	3.07	promoter
AT3G63410	ALBINO OR PALE GREEN MUTANT 1 (A)	Encodes a MPE	3_23417189	3.07	promoter
AT5G07320	ATP/PHOSPHATE CARRIER 3 (APC3)	Encodes a mito	5_2309886	3.07	promoter
AT1G22840	CYTOCHROME C-1 (CYTC-1)	Encodes cytoch	1_8080691	3.07	downstream
AT3G63420	GGAMMA-SUBUNIT 1 (GG1)	heterotrimeric	G_3_23417189	3.07	promoter
AT2G43910	HARMLESS TO OZONE LAYER 1 (HOL1)	HARMLESS TC	2_18184166	3.07	intergenic
AT2G43900	INOSITOL-POLYPHOSPHATE 5-PHOSPH	Encodes a 5-inc	2_18184166	3.07	promoter
AT1G51960	IQ-DOMAIN 27 (IQD27)	IQ-domain 27	(I_1_19308042	3.07	proximal promoter
AT2G19600	K+ EFFLUX ANTIPORTER 4 (KEA4)	member of Puta	2_8479050	3.07	promoter
AT1G50260	N-TERMINAL-TRANSMEMBRANE-C2 DC	N-terminal-trans	1_18621881	3.07	promoter
AT1G55820	na	CONTAINS Inte	1_20864225	3.07	promoter
AT5G07315	na	pre-tRNA; tRNA	5_2309886	3.07	promoter
AT5G16010	na	3-oxo-5-alpha-s	5_5227514	3.07	promoter
AT3G03702	na	Potential natura	3_918984	3.07	promoter
AT1G69060	na	Chaperone Dna	1_25964489	3.07	five_prime_UTR
AT3G13070	na	CBS domain-co	3_4195521	3.07	promoter
AT3G23550	na	MATE efflux fan	3_8450760	3.07	promoter
AT4G13505	na	Potential natura	4_7860695	3.07	proximal promoter

AT4G33060	na	Cyclophilin-like 4_15948415	3.07	promoter
AT1G22850	na	SNARE associa 1_8080691	3.07	exon
AT2G15980	na	Tetratricopeptid 2_6952762	3.07	exon
AT1G54820	na	Protein kinase s 1_20445797	3.07	proximal promoter
AT1G76880	na	Duplicated hom 1_28865379	3.07	promoter
AT2G28390	na	SAND family pr 2_12143525	3.07	promoter
AT3G24120	na	Homeodomain-l 3_8708218	3.07	intron
AT3G27910	na	Galactose oxid 3_10358867	3.07	proximal promoter
AT4G14740	na	FUNCTIONS IN 4_8454939	3.07	proximal promoter
AT4G33310	na	unknown proteir 4_16056587	3.07	downstream
AT4G36230	na	unknown proteir 4_17144860	3.07	proximal promoter
AT5G11980	na	conserved oligo 5_3872358	3.07	promoter
AT4G22540	OSBP(OXYSTEROL BINDING PROTEIN)	OSBP(oxystero 4_11868171	3.07	proximal promoter
AT1G15110	PHOSPHATIDYLSERINE SYNTHASE 1 (F PSS1	encodes : 1_5196913	3.07	proximal promoter
AT1G55810	URIDINE KINASE-LIKE 3 (UKL3)	One of the hom 1_20864225	3.07	three_prime_UTR
AT3G46010	ACTIN DEPOLYMERIZING FACTOR 1 (AI Actin-depolymer	3_16909251	3.06	downstream
AT3G46000	ACTIN DEPOLYMERIZING FACTOR 2 (AI	Encodes depoly 3_16909251	3.06	promoter
AT4G19710	ASPARTATE KINASE-HOMOSERINE DEI	Encodes a bifur 4_10722144	3.06	proximal promoter
AT1G08450	CALRETIICULIN 3 (CRT3)	Encodes one of 1_2671959	3.06	promoter
AT2G02560	CULLIN-ASSOCIATED AND NEDDYLYTIC	Arabidopsis tha 2_689692	3.06	promoter
AT4G31770	DEBRANCHING ENZYME 1 (DBR1)	Encodes a RNA 4_15372761	3.06	promoter
AT3G10160	DHFS-FPGS HOMOLOG C (DFC)	Encodes a prote 3_3144766	3.06	promoter
AT1G07110	FRUCTOSE-2,6-BISPHOSPHATASE (F2P	Encodes the bif 1_2184180	3.06	promoter
AT1G08460	HISTONE DEACETYLASE 8 (HDA08)	histone deacety 1_2671959	3.06	promoter
AT1G63005	MICRORNA399B (MIR399B)	Encodes a phos 1_23344717	3.06	intergenic
AT2G39170	na	unknown proteir 2_16336265	3.06	promoter
AT1G25460	na	NAD(P)-binding 1_8944449	3.06	downstream
AT1G22430	na	GroES-like zinc 1_7919164	3.06	five_prime_UTR
AT3G13226	na	regulatory prote 3_4266374	3.06	promoter
AT1G75140	na	unknown proteir 1_28204524	3.06	promoter
AT1G75150	na	unknown proteir 1_28204524	3.06	three_prime_UTR
AT2G19130	na	S-locus lectin pr 2_8293656	3.06	promoter
AT2G25210	na	Ribosomal prote 2_10739791	3.06	promoter
AT1G01830	na	ARM repeat sur 1_298584	3.06	three_prime_UTR
AT1G18680	na	HNH endonucle 1_6433468	3.06	promoter
AT2G39130	na	Transmembran 2_16327806	3.06	proximal promoter
AT3G02645	na	Plant protein of 3_567902	3.06	downstream
AT3G02650	na	Tetratricopeptid 3_567902	3.06	promoter
AT3G15160	na	unknown proteir 3_5104288	3.06	promoter
AT3G55646	na	unknown proteir 3_20642837	3.06	proximal promoter
AT4G36270	na	ATP binding; BE 4_17160865	3.06	downstream
AT4G36268	na	unknown proteir 4_17160865	3.06	downstream
AT5G63320	NUCLEAR PROTEIN X1 (NPX1)	Encodes NPX1 5_25373976	3.06	intergenic
AT5G63310	NUCLEOSIDE DIPHOSPHATE KINASE 2	Maintains intrac 5_25373976	3.06	promoter
AT1G01820	PEROXIN 11C (PEX11C)	member of the r 1_298584	3.06	promoter
AT1G75840	RAC-LIKE GTP BINDING PROTEIN 5 (AR	Belongs to the r 1_28475735	3.06	five_prime_UTR
AT3G49430	SERINE/ARGININE-RICH PROTEIN SPLI	Barta et al (2011) 3_18331582	3.06	five_prime_UTR
AT5G57990	UBIQUITIN-SPECIFIC PROTEASE 23 (UE	Encodes a ubiq 5_23475696	3.06	proximal promoter
AT1G78130	UNFERTILIZED EMBRYO SAC 2 (UNE2)	unfertilized emb 1_29400014	3.06	promoter
AT1G10550	XYLOGLUCAN:XYLOGLUCOSYL TRANS	Encodes a merr 1_3479493	3.06	exon
AT3G45100	(SETH2)	encodes Arabid 3_16504420	3.05	promoter
AT1G58350	(ZW18)	ZW18; INVOLV 1_21669868	3.05	proximal promoter
AT1G21710	8-OXOGUANINE-DNA GLYCOSYLASE 1	Encodes 8-oxox 1_7624329	3.05	promoter
AT1G58080	ATP PHOSPHORIBOSYL TRANSFERASE	ATP phosphorit 1_21507485	3.05	five_prime_UTR
AT5G57660	CONSTANS-LIKE 5 (COL5)	CONSTANS-like 5_23353941	3.05	proximal promoter
AT3G19760	EUKARYOTIC INITIATION FACTOR 4A-III	Encodes an RN 3_6863666	3.05	promoter
AT5G27380	GLUTATHIONE SYNTHETASE 2 (GSH2)	Encodes a prote 5_9671445	3.05	promoter
AT5G42780	HOMEODOMAIN PROTEIN 27 (HB27)	homeobox prote 5_17154717	3.05	promoter
AT3G01100	HYPOTHETICAL PROTEIN 1 (HYP1)	unknown proteir 3_34691	3.05	downstream
AT5G09805	INFLORESCENCE DEFICIENT IN ABSCI	Similar to Inflore 5_3049597	3.05	intergenic
AT4G36890	IRREGULAR XYLEM 14 (IRX14)	The IRX14 gene 4_17382097	3.05	promoter
AT3G58680	MULTIPROTEIN BRIDGING FACTOR 1B	One of three ge 3_21706845	3.05	promoter
AT1G74650	MYB DOMAIN PROTEIN 31 (MYB31)	Member of the f 1_28040804	3.05	promoter
AT5G02320	MYB DOMAIN PROTEIN 3R-5 (MYB3R-5)	Encodes a puta 5_486843	3.05	promoter
AT5G17250	na	Alkaline-phosph 5_5675057	3.05	proximal promoter
AT4G21920	na	unknown proteir 4_11637815	3.05	proximal promoter
AT3G45095	na	transposable elk 3_16504420	3.05	promoter
AT5G65880	na	unknown proteir 5_26352900	3.05	promoter
AT1G06510	na	unknown proteir 1_1992293	3.05	promoter
AT1G06515	na	Protein of unknc 1_1992293	3.05	promoter
AT2G29340	na	NAD-dependen 2_12596949	3.05	promoter
AT2G33250	na	unknown proteir 2_14097333	3.05	promoter
AT3G03570	na	FUNCTIONS IN 3_856731	3.05	promoter
AT3G58676	na	This gene encod 3_21706845	3.05	exon
AT3G59950	na	Peptidase famih 3_22147982	3.05	promoter
AT4G19380	na	Long-chain fatty 4_10570378	3.05	intron
AT5G09876	na	unknown proteir 5_3078952	3.05	proximal promoter
AT4G29680	na	Alkaline-phosph 4_14539911	3.05	promoter
AT4G31740	na	Sec1/munc18-lik 4_15363541	3.05	promoter
AT5G27395	na	Mitochondrial in 5_9671445	3.05	downstream
AT5G46250	na	RNA-binding pr 5_18755244	3.05	promoter
AT5G54630	na	zinc finger prote 5_22192061	3.05	intergenic
AT5G60460	na	Preprotein trans 5_24318045	3.05	promoter
AT1G52880	NO APICAL MERISTEM (NAM)	Transcription fa 1_19692567	3.05	proximal promoter
AT1G65390	PHLOEM PROTEIN 2 A5 (PP2-A5)	phloem protein : 1_24292263	3.05	promoter
AT1G70370	POLYGALACTURONASE 2 (PG2)	polygalacturona 1_26518443	3.05	intergenic
AT3G58500	PROTEIN PHOSPHATASE 2A-4 (PP2A-4)	Encodes one of 3_21639095	3.05	five_prime_UTR
AT1G49600	RNA-BINDING PROTEIN 47A (RBP47A)	RNA-binding pr 1_18360446	3.05	promoter
AT1G43850	SEUSS (SEU)	Encodes a trans 1_16617106	3.05	promoter
AT3G01090	SNF1 KINASE HOMOLOG 10 (KIN10)	encodes a SNF 3_34691	3.05	promoter
AT3G59770	SUPPRESSOR OF ACTIN 9 (SAC9)	Encodes a phos 3_22086251	3.05	promoter
AT5G16850	TELOMERASE REVERSE TRANSCRIPT/	Encodes the ca 5_5543662	3.05	promoter
AT1G53300	TETRAATRICOPEPTIDE-REPEAT THIORE	Encodes one of 1_19879542	3.05	five_prime_UTR
AT1G64040	TYPE ONE SERINE/THREONINE PROTE	Encodes the ca 1_23760505	3.05	five_prime_UTR

AT1G14140	UNCOUPLING PROTEIN 3 (UCP3)	Mitochondrial st	1_4839747	3.05	promoter
AT1G32200	(ATS1)	Encodes a chl	1_11604969	3.04	exon
AT3G06500	ALKALINE/NEUTRAL INVERTASE C (A/N	Plant neutral inv	3_2008575	3.04	intergenic
AT5G49480	CA2+-BINDING PROTEIN 1 (CP1)	AtCP1 encodes	5_20069774	3.04	proximal promoter
AT1G22840	CYTOCHROME C-1 (CYTC-1)	Encodes cytoch	1_8079307	3.04	five_prime_UTR
AT4G12330	CYTOCHROME P450, FAMILY 706, SUBF	member of CYP	4_7318849	3.04	exon
AT4G05420	DAMAGED DNA BINDING PROTEIN 1A (	Structurally simi	4_2745757	3.04	promoter
AT2G40300	FERRITIN 4 (FER4)	Encodes FERR	2_16833347	3.04	promoter
AT1G74420	FUCOSYLTRANSFERASE 3 (FUT3)	Predicted fucos	1_27971241	3.04	proximal promoter
AT5G62480	GLUTATHIONE S-TRANSFERASE TAU 9	Encodes glutath	5_25088614	3.04	downstream
AT1G25250	INDETERMINATE (ID)-DOMAIN 16 (IDD16	indeterminate(IL	1_8848398	3.04	proximal promoter
AT3G09710	IQ-DOMAIN 1 (IQD1)	Ca(2+)-depend	3_2979339	3.04	intron
AT1G13220	LITTLE NUCLEI2 (LINC2)	Encodes a nucl	1_4520185	3.04	intron
AT1G68510	LOB DOMAIN-CONTAINING PROTEIN 42	LOB domain-co	1_25708390	3.04	downstream
AT3G23165	LOW-MOLECULAR-WEIGHT CYSTEINE-	Encodes a merr	3_8264233	3.04	intergenic
AT1G61732	MICRORNA776A (MIR776A)	Encodes a micr	1_22795235	3.04	promoter
AT2G36600	na	pre-tRNA; tRNA	2_15346917	3.04	intergenic
AT5G44375	na	pre-tRNA; tRNA	5_17878334	3.04	proximal promoter
AT1G67510	na	Leucine-rich rep	1_25298102	3.04	exon
AT2G33205	na	Serinc-domain c	2_14074547	3.04	proximal promoter
AT4G33700	na	FUNCTIONS IN	4_16179549	3.04	promoter
AT1G10440	na	pre-tRNA; tRNA	1_3431148	3.04	downstream
AT1G38140	na	transposable el	1_14305598	3.04	intergenic
AT1G13230	na	Encodes a leuci	1_4520185	3.04	promoter
AT1G22830	na	Tetratricopeptid	1_8079307	3.04	downstream
AT2G44640	na	FUNCTIONS IN	2_18417135	3.04	promoter
AT2G45630	na	D-isomer specif	2_18798167	3.04	intergenic
AT2G22482	na	na	2_9550179	3.04	promoter
AT4G09040	na	RNA-binding (R	4_5797407	3.04	promoter
AT4G12650	na	Endomembrane	4_7470594	3.04	promoter
AT5G61520	na	Major facilitator	5_24741328	3.04	promoter
AT5G13140	na	Pollen Ole e 1	a 5_4171901	3.04	promoter
AT5G65685	na	UDP-Glycosyltr	5_26278352	3.04	proximal promoter
AT1G67500	RECOVERY PROTEIN 3 (REV3)	Encodes the ca	1_25298102	3.04	proximal promoter
AT4G26840	SMALL UBIQUITIN-LIKE MODIFIER 1 (SL	Encodes a smai	4_13497201	3.04	promoter
AT4G11780	TON1 RECRUITING MOTIF 10 (TRM10)	unknown proteir	4_7088044	3.04	exon
AT2G47260	WRKY DNA-BINDING PROTEIN 23 (WRK	Encodes a merr	2_19408639	3.04	proximal promoter
AT4G05410	YAOZHE (YAO)	Encodes a nucl	4_2745757	3.04	promoter
AT1G69780	(ATHB13)	Encodes a hom	1_26260869	3.03	downstream
AT1G18450	ACTIN-RELATED PROTEIN 4 (ARP4)	Encodes a gene	1_6348059	3.03	promoter
AT1G67730	BETA-KETOACYL REDUCTASE 1 (KCR1	Encodes one of	1_25393748	3.03	downstream
AT5G02110	CYCLIN D7;1 (CYCD7;1)	Encodes CYCL	5_416587	3.03	promoter
AT1G60660	CYTOCHROME B5-LIKE PROTEIN (CB5L	member of Cyto	1_22343653	3.03	proximal promoter
AT3G56630	CYTOCHROME P450, FAMILY 94, SUBF	member of CYP	3_20978827	3.03	promoter
AT1G21910	DEHYDRATION RESPONSE ELEMENT-E	encodes a mem	1_7696350	3.03	promoter
AT4G00550	DIGALACTOSYL DIACYLGLYCEROL DEI	encodes a UDP	4_240620	3.03	promoter
AT5G24400	EMBRYO DEFECTIVE 2024 (emb2024)	Encodes a prot	5_8331899	3.03	promoter
AT5G53860	EMBRYO DEFECTIVE 2737 (emb2737)	A locus involv	e 5_21865210	3.03	promoter
AT1G26120	ISOPRENYLCYSTEINE METHYLESTERA	Isoprenylcysteir	1_9030166	3.03	intron
AT5G06980	na	unknown proteir	5_2169949	3.03	intergenic
AT3G45420	na	Concanavalin A	3_16660248	3.03	proximal promoter
AT1G34580	na	Major facilitator	1_12659983	3.03	proximal promoter
AT3G03680	na	C2 calcium/lipid	3_907476	3.03	promoter
AT4G17810	na	C2H2 and C2H1	4_9904563	3.03	proximal promoter
AT5G38200	na	Class I glutamin	5_15256311	3.03	five_prime_UTR
AT5G51030	na	NAD(P)-binding	5_20749704	3.03	promoter
AT1G60670	na	Protein of unkn	1_22343653	3.03	promoter
AT2G27180	na	unknown proteir	2_11620853	3.03	exon
AT3G03847	na	SAUR-like auxir	3_982841	3.03	promoter
AT3G06700	na	Ribosomal L29	e 3_2118015	3.03	promoter
AT3G08030	na	Protein of unkn	3_2564977	3.03	intron
AT3G61490	na	Pectin lyase-like	3_22759094	3.03	exon
AT4G00560	na	NAD(P)-binding	4_240620	3.03	downstream
AT3G63095	na	Encodes a Prot	3_23316495	3.03	intergenic
AT4G10925	na	Nuclear transp	4_6704686	3.03	promoter
AT4G25980	na	Peroxidase sup	4_13190705	3.03	intron
AT4G31420	na	Zinc finger prote	4_15247995	3.03	promoter
AT5G18980	na	ARM repeat sup	5_6337512	3.03	exon
AT5G19340	na	unknown proteir	5_6514985	3.03	downstream
AT5G66558	na	Potential natura	5_26567001	3.03	promoter
AT5G66560	na	Phototropic-res	5_26567001	3.03	downstream
AT1G52890	NAC DOMAIN CONTAINING PROTEIN 15	encodes a NAC	1_19698537	3.03	promoter
AT1G37130	NITRATE REDUCTASE 2 (NIA2)	Identified as a	n 1_14163706	3.03	intergenic
AT5G65690	PHOSPHOENOLPYRUVATE CARBOXYK	Encodes a puta	5_26265014	3.03	proximal promoter
AT1G67740	PHOTOSYSTEM II BY (PSBY)	PsbY precursor	1_25393748	3.03	intergenic
AT1G18080	(ATARCA)	Encodes the Ar	1_6222052	3.02	promoter
AT1G62300	(WRKY6)	Encodes a trans	1_23019384	3.02	promoter
AT4G09680	CONSERVED TELOMERE MAINTENANC	Encodes CTC1	4_6116655	3.02	promoter
AT5G44130	FASCICLIN-LIKE ARABINOGALACTAN P	FASCICLIN-like	5_17762119	3.02	downstream
AT5G23440	FERREDOXIN/THIOREDOXIN REDUCTA	ferredoxin/thiore	5_7902213	3.02	intergenic
AT5G52210	GTP-BINDING PROTEIN 1 (GB1)	A member of Af	5_21204848	3.02	promoter
AT1G07430	HIGHLY ABA-INDUCED PP2C GENE 2 (F	highly ABA-indu	1_2280728	3.02	downstream
AT2G29640	JOSEPHIN-LIKE PROTEIN (JOSL)	JOSEPHIN-like	2_12670857	3.02	promoter
AT1G19850	MONOPTEROS (MP)	Encodes a trans	1_6884704	3.02	proximal promoter
AT1G12800	na	Nucleic acid-bin	1_4365448	3.02	promoter
AT1G35570	na	transposable el	1_13120948	3.02	proximal promoter
AT1G76600	na	unknown proteir	1_28744553	3.02	proximal promoter
AT3G06868	na	unknown proteir	3_2167620	3.02	promoter
AT3G06870	na	proline-rich fami	3_2167620	3.02	downstream
AT5G24130	na	unknown proteir	5_8161512	3.02	proximal promoter
AT2G40710	na	Haemolysin-III	r 2_16980519	3.02	intergenic
AT5G47440	na	CONTAINS Inte	5_19245702	3.02	promoter
AT1G29420	na	SAUR-like auxir	1_10302151	3.02	promoter
AT1G66250	na	O-Glycosyl hydr	1_24693451	3.02	intron

AT1G04000	na	unknown proteir 1_1030726	3.02	proximal promoter
AT1G78800	na	UDP-Glycosyltr: 1_29628008	3.02	promoter
AT3G44620	na	protein tyrosine 3_16193811	3.02	promoter
AT3G55485	na	na 3_20571361	3.02	promoter
AT4G03500	na	Ankyrin repeat f 4_1553740	3.02	intron
AT5G19095	na	pre-tRNA; tRNA 5_6400843	3.02	promoter
AT5G44375	na	pre-tRNA; tRNA 5_17877638	3.02	downstream
AT5G04420	na	Galactose oxid: 5_1250018	3.02	promoter
AT5G06110	na	DnaJ domain ;Iv 5_1843882	3.02	promoter
AT5G18400	na	Cytokine-induce 5_6095044	3.02	intron
AT5G40945	na	pre-tRNA; tRNA 5_16410770	3.02	downstream
AT5G61170	na	Ribosomal prote 5_24611056	3.02	promoter
AT5G62760	na	P-loop containir 5_25209645	3.02	promoter
AT3G15500	NAC DOMAIN CONTAINING PROTEIN 3	Encodes an AT_3_5237595	3.02	intergenic
AT5G44370	PHOSPHATE TRANSPORTER 4:6 (PHT4	Encodes an ino 5_17877638	3.02	promoter
AT1G04010	PHOSPHOLIPID STEROL ACYL TRANSF	phospholipid ste 1_1030726	3.02	intergenic
AT3G02800	PLANT AND FUNGI ATYPICAL DUAL-SPI	Encodes an aty1_3_607860	3.02	five_prime_UTR
AT5G44140	PROHIBITIN 7 (PHB7)	prohibitin 7 (PHI) 5_17762119	3.02	promoter
AT5G40950	RIBOSOMAL PROTEIN LARGE SUBUNIT	ribosomal protei 5_16410770	3.02	promoter
AT1G07420	STEROL 4-ALPHA-METHYL-OXIDASE 2-	Arabidopsis tha 1_2280728	3.02	intergenic
AT2G29630	THIAMINC (THIC)	Encodes a prot 2_12670857	3.02	intergenic
AT5G67360	(ARA12)	Encodes a subt 5_26874593	3.01	promoter
AT2G31970	(RAD50)	Encodes the Ar: 2_13600371	3.01	promoter
AT3G54340	APETALA 3 (AP3)	Floral homeotic 3_20121451	3.01	promoter
AT4G25960	ATP-BINDING CASSETTE B2 (ABC2)	P-glycoprotein 2_4_13176565	3.01	proximal promoter
AT4G03080	BRI1 SUPPRESSOR 1 (BSU1)-LIKE 1 (BS	BRI1 suppressor 4_1365502	3.01	promoter
AT1G55490	CHAPERONIN 60 BETA (CPN60B)	encodes the bei 1_20719292	3.01	promoter
AT3G22880	DISRUPTION OF MEIOTIC CONTROL 1 (	Expression of th 3_8100952	3.01	promoter
AT4G30850	HEPTAHELICAL TRANSMEMBRANE PR	heptahelical trar 4_15022588	3.01	promoter
AT3G21760	HYPOSTATIN RESISTANCE 1 (HYR1)	Encodes HYR1_3_7666707	3.01	promoter
AT3G53130	LUTEIN DEFICIENT 1 (LUT1)	Lutein-deficient 3_19692747	3.01	promoter
AT1G04630	MATERNAL EFFECT EMBRYO ARREST	maternal effect 1_1291148	3.01	promoter
AT3G26980	MEMBRANE-ANCHORED UBIQUITIN-FO	membrane-anch 3_9948024	3.01	five_prime_UTR
AT1G76140	na	Prolyl oligopepti 1_28571263	3.01	exon
AT2G22450	na	riboflavin biosyr 2_9530492	3.01	promoter
AT1G03570	na	pre-tRNA; tRNA 1_892517	3.01	exon
AT1G68710	na	ATPase E1-E2: 1_25799652	3.01	proximal promoter
AT1G72790	na	hydroxyproline-1 1_27396479	3.01	exon
AT1G72800	na	RNA-binding (R 1_27396479	3.01	proximal promoter
AT2G17970	na	2-oxoglutarate (2_7821465	3.01	promoter
AT2G34340	na	Protein of unknc 2_14488112	3.01	intergenic
AT2G36410	na	Family of unkno 2_15280734	3.01	downstream
AT3G21755	na	Potential natura 3_7666707	3.01	downstream
AT3G26990	na	ENTH/VHS fam 3_9948024	3.01	downstream
AT5G16567	na	This gene encod 5_5417383	3.01	proximal promoter
AT4G31490	na	Coatomer, beta 4_15268395	3.01	promoter
AT4G38781	na	unknown proteir 4_18111261	3.01	promoter
AT5G02050	na	Mitochondrial gl 5_404418	3.01	promoter
AT5G07980	na	dentin sialophos 5_2557888	3.01	proximal promoter
AT5G22780	na	Adaptor protein 5_7598810	3.01	proximal promoter
AT5G25920	na	BEST Arabidop: 5_9046593	3.01	promoter
AT5G28630	na	glycine-rich prot 5_10636538	3.01	promoter
AT5G39785	na	FUNCTIONS IN 5_15932093	3.01	exon
AT4G01550	NAC DOMAIN CONTAINING PROTEIN 65	Encodes a plasi 4_676451	3.01	promoter
AT5G22790	RETICULATA-RELATED 1 (RER1)	reticulata-relate 5_7598810	3.01	intergenic
AT4G12910	SERINE CARBOXYPEPTIDASE-LIKE 20 (	serine carboxyp 4_7553432	3.01	promoter
AT4G30960	SOS3-INTERACTING PROTEIN 3 (SIP3)	Encodes CBL-ir 4_15065668	3.01	proximal promoter
AT5G65780	(ATBCAT-5)	encodes a chlor 5_26316295	3	five_prime_UTR
AT4G31300	(PBA1)	Encodes 20S pi 4_15188666	3	promoter
AT2G23600	ACETONE-CYANOHYDRIN LYASE (ACL)	Encodes a prot 2_10043844	3	promoter
AT2G46980	ASYNAPTIC 3 (ASY3)	Encodes ASY3_2_19304350	3	promoter
AT3G55950	CRINKLY4 RELATED 3 (CCR3)	CRINKLY4 relat 3_20752761	3	intergenic
AT5G11530	EMBRYONIC FLOWER 1 (EMF1)	Involved in regu 5_3693608	3	proximal promoter
AT3G26618	EUKARYOTIC RELEASE FACTOR 1-3 (E	eukaryotic relea 3_9788447	3	promoter
AT5G66510	GAMMA CARBONIC ANHYDRASE 3 (GA	Encodes mitoch 5_26551684	3	promoter
AT2G32700	LEUNIG_HOMOLOG (LUH)	Encodes a WD: 2_13866693	3	promoter
AT1G64660	METHIONINE GAMMA-LYASE (MGL)	Encodes a func 1_24029934	3	intron
AT2G23620	METHYL ESTERASE 1 (MES1)	Encodes a prot 2_10051761	3	proximal promoter
AT2G38325	MICRORNA390A (MIR390A)	Encodes a micr 2_16059570	3	proximal promoter
AT2G47350	na	HIT zinc finger ; 2_19433742	3	promoter
AT3G55410	na	2-oxoglutarate c 3_20540982	3	promoter
AT4G32785	na	CONTAINS Inte 4_15811880	3	downstream
AT4G32790	na	Exostosin family 4_15811880	3	promoter
AT4G00560	na	NAD(P)-binding 4_242881	3	proximal promoter
AT4G36150	na	Disease resist: 4_17104618	3	promoter
AT5G48760	na	Ribosomal prote 5_19772774	3	promoter
AT1G10220	na	BEST Arabidop: 1_3351867	3	promoter
AT1G16570	na	UDP-Glycosyltr: 1_5673658	3	promoter
AT1G22410	na	Class-II DAHP s 1_7911827	3	promoter
AT1G31760	na	SWIB/MDM2 dc 1_11373610	3	promoter
AT1G68340	na	Protein of unknc 1_25615523	3	promoter
AT1G72410	na	COP1-interactir 1_27257105	3	promoter
AT2G11890	na	adenylate cycl: 2_4802751	3	promoter
AT2G26800	na	Mutant has incr 2_11432712	3	five_prime_UTR
AT2G28710	na	C2H2-type zinc 2_12321619	3	proximal promoter
AT2G37110	na	PLAC8 family pi 2_15592565	3	five_prime_UTR
AT1G55260	na	Bifunctional inhi 1_20616115	3	exon
AT1G55265	na	Protein of unknc 1_20616115	3	proximal promoter
AT2G37100	na	protamine P1 fa 2_15592565	3	intergenic
AT2G37100	na	protamine P1 fa 2_15590463	3	proximal promoter
AT2G44930	na	Plant protein of 2_18532047	3	promoter
AT3G48030	na	hypoxia-respon: 3_17728152	3	promoter
AT4G16105	na	pre-tRNA; tRNA 4_9108876	3	intergenic
AT4G31290	na	ChaC-like family 4_15188666	3	downstream

AT4G33180	na	alpha/beta-Hydr	4_16000273	3	five_prime_UTR
AT5G11640	na	Thioredoxin sup	5_3741904	3	promoter
AT5G08565	na	Transcription ini	5_2775811	3	promoter
AT5G11225	na	pre-tRNA; tRNA	5_3578368	3	promoter
AT5G11630	na	unknown proteir	5_3741904	3	intron
AT5G47740	na	Adenine nucleoi	5_19337909	3	proximal promoter
AT5G65240	na	Leucine-rich re	5_26078300	3	promoter
AT4G00570	NAD-DEPENDENT MALIC ENZYME 2 (N)	Encodes an NA	4_242881	3	exon
AT5G17770	NADH:CYTOCHROME B5 REDUCTASE	Encodes NADH	5_5866622	3	five_prime_UTR
AT1G70940	PIN-FORMED 3 (PIN3)	A regulator of ai	1_26739782	3	intergenic
AT2G28550	RELATED TO AP2.7 (RAP2.7)	related to AP2.7	2_12225723	3	downstream
AT4G35480	RING-H2 FINGER A3B (RHA3B)	Encodes a puta	4_16852473	3	exon
AT2G39705	ROTUNDIFOLIA LIKE 8 (RTFL8)	ROTUNDIFOLIA	2_16555606	3	proximal promoter
AT5G17240	SET DOMAIN GROUP 40 (SDG40)	SET domain grc	5_5666758	3	promoter
AT5G11190	SHINE2 (SHN2)	encodes a mem	5_3563901	3	proximal promoter
AT3G55120	TRANSPARENT TESTA 5 (TT5)	Catalyzes the c	3_20432388	3	proximal promoter
AT1G70560	TRYPTOPHAN AMINOTRANSFERASE	O TAA1 is involve	1_26603414	3	proximal promoter
AT2G26580	YABBY5 (YAB5)	YABBY5 (YAB5	2_11308318	3	proximal promoter