

Table S1. The specific sequences of the primers.

Primer	Sequence (5'-3')
<i>GmIDD-3F6H-F</i>	TGGAGCTCGGTACCCATGTCCAATTTGACGTCTGCAT
<i>GmIDD-3F6H-R</i>	GATCCTGGGATCCCCGAAGATGCCATGCCACTAGCAAAC
<i>GmIDD-TOPO-F</i>	CACCATGTCCAATTTGACGTCTGCAT
<i>GmIDD-TOPO-R</i>	TCAAGATGCCATGCCACTAGCAAAC
<i>GmRAV-3F6H-F</i>	TGGAGCTCGGTACCCATGGATGGAGGCTGTGTACACAG
<i>GmRAV-3F6H-R</i>	GATCCTGGGATCCCCGACAAAGCTCCAATTACTTTTAACTTC
<i>qAtAGL18- ChIP-F</i>	GGGAGGCGATACACGAAATAG
<i>qAtAGL18- ChIP-R</i>	GGAGGACTAGTAGAGGAAGGGGTT
<i>proAGL18::LUC-F</i>	GAATTCCTGCAGCCCTTTGGAGATGTAAACATTTTGTACAG
<i>proAGL18::LUC-R</i>	ACTAGTGGATCCCCCGGAGGACTAGTAGAGGAAGGGGTT
<i>qAtAGL18 -F</i>	TCTAAGAGACGAAACGGTTTGA
<i>qAtAGL18 -R</i>	CACAGCTTCATTTCCATGTGAA
<i>qGmActin4 -F</i>	GTGTCAGCCATACTGTCCCCATT
<i>qGmActin4-R</i>	GTTTCAAGCTCTTGCTCGTAATCA
<i>qGmIDD-F</i>	CTCCAACAGTGGTAGAAGAAGCAA
<i>qGmIDD-R</i>	AGGGAAGGAACTCAAAGAAGAAAAG
<i>qAtIPP2-F</i>	TGAGCTTGGTATTGTAGCTGAA
<i>qAtIPP2-R</i>	GACAGTTTCAAACCTTCCTCAC
<i>qAtCO-F</i>	AAGGTGATAAGGATGCCAAGGAG
<i>qAtCO-R</i>	GGAGCCATATTTGATATTGAACTGA
<i>qAtFT-F</i>	TGGTGGAGAAGACCTCAGGAAC
<i>qAtFT-R</i>	TGCCAAGCTGTGAAACAATAT
<i>qAtFLC-F</i>	GCTCTTCTCGTCGTCTCC
<i>qAtFLC-R</i>	GTTTCGGTCTTCTTGGCTC
<i>qAtSOC1-F</i>	TCAGAACTTGGGCTACTC
<i>qAtSOC1-R</i>	TTCTCGTCGTCTCCGCCTCC
<i>qAtLFY-F</i>	TGTGAACATCGCTTGTCGTC
<i>qAtLFY-R</i>	TAATACCGCCAACTAAAGCC
<i>qAtAP1-F</i>	TAAGCACATCCGCACTAG
<i>qAtAP1-R</i>	TTCTTGATACAGACCACCC

Table S2. Plant IDD proteins' information.

Species name	Accession number
<i>Glycine max</i>	Glyma.14G095900
<i>Glycine max</i>	Glyma.03G236600
<i>Glycine max</i>	Glyma.16G141100
<i>Glycine max</i>	Glyma.02G058400
<i>Glycine max</i>	Glyma.01G176600
<i>Glycine max</i>	Glyma.20G235100

<i>Glycine max</i>	Glyma.10G153200
<i>Glycine max</i>	Glyma.07G158200
<i>Glycine max</i>	Glyma.08G192300
<i>Glycine max</i>	Glyma.15G024500
<i>Theobroma cacao</i>	Thecc1EG037300
<i>Ricinus communis</i>	29794.t000003
<i>Vitis vinifera</i>	GSVIVG01035391001
<i>Populus euphratica</i>	XP_011014257.1
<i>Arabidopsis thaliana</i>	AT5G44160.1
<i>Nelumbo nucifera</i>	XP_010242234.1
<i>Juglans regia</i>	XP_018848593.1
<i>Lupinus angustifolius</i>	XP_019458210.1
<i>Cajanus cajan</i>	KYP72220.1
<i>Phaseolus vulgaris</i>	Phvul.001G036500
<i>Vigna angularis</i>	NC_030643.1
<i>Vigna radiata</i>	XP_017428159.1
<i>Zea mays</i>	GRMZM2G320287
<i>Oryza sativa</i>	LOC_Os02g31890
<i>Medicago truncatula</i>	Medtr1g016010.1

Supplemental Data Set 1. List of GmIDD binding sites in the genome.

This file lists the genomic sites bound by GmIDD in the ChIP-seq experiments.

Gene	Chromosome	Start	End	Strand	Distance		Putative Function
					to TSS	Region	
AT1G02130	Chr01	401308	401542	-	494	P	ARABIDOPSIS RAS 5
AT1G11710	Chr01	3949293	3949630	+	0	G	Pentatricopeptide repeat (PPR) superfamily protein
AT1G72440	Chr01	27274326	27274560	-	-508	P	CCAAT-binding factor
AT1G72700	Chr01	27367258	27367507	+	0	G	ATPase E1-E2 type family protein / haloacid dehalogenase-like hydrolase family protein
AT1G72700	Chr01	27368983	27369217	+	0	G	ATPase E1-E2 type family protein / haloacid dehalogenase-like hydrolase family protein
AT1G73540	Chr01	27646118	27646518	-	425	P	nudix hydrolase homolog 21
AT1G75400	Chr01	28297587	28297821	+	0	G	RING/U-box superfamily protein
AT1G76270	Chr01	28617990	28618255	-	0	G	O-fucosyltransferase family protein
AT1G77690	Chr01	29203164	29203721	-	-24	P	like AUX1 3
AT1G78790	Chr01	29624919	29625153	-	42	P	centromere protein X
AT1G79990	Chr01	30089146	30089380	+	0	G	coatomer subunit beta-2

AT1G80810	Chr01	30365551	30365785	+	0	G	Tudor/PWWP/MBT superfamily protein
AT1G13230	Chr01	4519806	4520040	+	-636	P	Leucine-rich repeat (LRR) family protein
AT1G13270	Chr01	4545646	4545880	+	0	G	methionine aminopeptidase 1B Homeodomain-like superfamily protein
AT1G13450	Chr01	4614822	4615071	-	313	P	Ribosomal protein L16p/L10e family protein
AT1G14320	Chr01	4888501	4888740	+	406	P	phosphatidyl serine synthase family protein
AT1G15110	Chr01	5199107	5199486	+	23	P	transmembrane protein p300/CBP
AT1G16630	Chr01	5682655	5682961	-	0	G	acetyltransferase-related protein-like protein
AT1G16705	Chr01	5712315	5712650	+	394	T	basic transcription factor 3 protochlorophyllide
AT1G17880	Chr01	6153740	6153974	-	125	T	oxidoreductase C Pentatricopeptide repeat (PPR) superfamily protein
AT1G03630	Chr01	908783	909112	+	0	G	Pentatricopeptide repeat (PPR) superfamily protein
AT1G18485	Chr01	6363615	6364072	+	801	T	Pentatricopeptide repeat (PPR-like) superfamily protein
AT1G19290	Chr01	6666884	6667197	+	0	G	RNA-binding (RRM/RBD/RNP motifs) family protein
AT1G19720	Chr01	6821934	6822200	-	644	T	Protein kinase superfamily protein
AT1G20880	Chr01	7264802	7265384	-	352	T	SKU5 similar 8 transmembrane protein
AT1G21245	Chr01	7436816	7437050	+	91	P	phosphatidylinositol-4-phosphat e 5-kinase 1
AT1G21850	Chr01	7672017	7672251	-	0	G	thiamin biosynthesis protein Tetratricopeptide repeat
AT1G21950	Chr01	7722092	7722344	-	1736	T	(TPR)-like superfamily protein Dynein light chain type 1
AT1G21980	Chr01	7735529	7735776	+	0	G	family protein S-adenosyl-L-methionine-depen dent methyltransferases
AT1G22940	Chr01	8121520	8121754	+	-702	P	superfamily protein S-adenosyl-L-methionine-depen dent methyltransferases
AT1G04530	Chr01	1234983	1235217	-	0	G	superfamily protein
AT1G23220	Chr01	8243184	8243418	+	0	G	F-box family protein
AT1G23360	Chr01	8296163	8296452	-	616	T	
AT1G24735	Chr01	8759701	8759935	+	1241	T	
AT1G24800	Chr01	8768885	8769153	+	-492	P	

AT1G25540	Chr01	8972807	8973041	-	0	G	phytochrome and flowering time regulatory protein (PFT1)
AT1G24400	Chr01	8653336	8653570	-	0	G	lysine histidine transporter 2
AT1G27770	Chr01	9674238	9674472	-	0	G	autoinhibited Ca ²⁺ -ATPase 1
AT1G28265	Chr01	9878962	9879229	+	60	P	hypothetical protein
AT1G29670	Chr01						GDSL-like
		10375880	10376129	+	0	G	Lipase/Acylhydrolase superfamily protein
AT1G30060	Chr01	10544851	10545167	-	897	T	COP1-interacting protein-like protein
AT1G05320	Chr01	1554815	1555049	+	0	G	myosin heavy chain, embryonic smooth protein
AT1G30400	Chr01	10728309	10728628	+	0	G	multidrug resistance-associated protein 1
AT1G31390	Chr01	11244977	11245211	-	-702	P	TRAF-like family protein
AT1G31430	Chr01	11254918	11255275	-	641	T	Pentatricopeptide repeat (PPR-like) superfamily protein
AT1G32361	Chr01	11675448	11675782	+	84	P	RING/U-box superfamily protein
AT1G32415	Chr01	11696099	11696333	+	620	T	pentatricopeptide (PPR) repeat-containing protein
AT1G32530	Chr01	11761857	11762153	-	0	G	RING/U-box superfamily protein
AT1G33060	Chr01	11975587	11975898	-	0	G	protein
AT1G34010	Chr01	12360283	12360517	-	809	P	NAC 014
AT1G34130	Chr01	12430520	12430762	+	795	T	hypothetical protein
AT1G34575	Chr01	12658520	12658817	-	88	P	staurosporin and temperature sensitive 3-like b
AT1G05350	Chr01						FAD-binding Berberine family
		1563096	1563334	-	0	G	protein
AT1G39070	Chr01	14736140	14736447	+	0	G	NAD(P)-binding
AT1G40104	Chr01	15082104	15085897	+	0	G	Rossmann-fold superfamily protein
AT1G42990	Chr01	16136212	16136491	-	1112	T	hypothetical protein
AT1G05670	Chr01	1701308	1701546	-	-362	P	hypothetical protein
AT1G45223	Chr01	17141185	17141419	+	0	G	basic region/leucine zipper motif 60
AT1G47260	Chr01	17322779	17323430	-	0	G	Pentatricopeptide repeat (PPR-like) superfamily protein
AT1G49450	Chr01	18304859	18305093	+	-469	P	ECA1 gametogenesis family protein (DUF784)
AT1G50170	Chr01	18582517	18582867	+	0	G	gamma carbonic anhydrase 2
							Transducin/WD40 repeat-like superfamily protein
							sirohdrochlorin ferrochelataze

							B
AT1G50180	Chr01	18586400	18586634	+	0	G	NB-ARC domain-containing disease resistance protein
AT1G50290	Chr01	18629911	18630145	-	0	G	hypothetical protein
AT1G52150	Chr01						Homeobox-leucine zipper family protein / lipid-binding START domain-containing protein
		19413942	19414262	-	0	G	
AT1G52615	Chr01	19601291	19601525	-	937	P	ncRNA
AT1G52620	Chr01						Pentatricopeptide repeat (PPR) superfamily protein
		19604352	19604730	+	745	T	
AT1G06520	Chr01						glycerol-3-phosphate acyltransferase 1
		1995806	1996143	-	0	G	
AT1G53350	Chr01						Disease resistance protein (CC-NBS-LRR class) family
		19905244	19905478	+	0	G	
AT1G55080	Chr01						mediator of RNA polymerase II transcription subunit-like protein
		20553946	20554180	-	191	P	
AT1G55480	Chr01						protein containing PDZ domain, a K-box domain, and a TPR region
		20714644	20714953	+	1299	T	
AT1G55915	Chr01	20906998	20907453	+	-252	P	zinc ion binding protein
AT1G56085	Chr01	20977153	20977429	+	776	P	Cyclophilin
AT1G56345	Chr01						Pseudouridine synthase family protein
		21093631	21094029	-	631	P	
AT1G56690	Chr01						Pentatricopeptide repeat (PPR) superfamily protein
		21254225	21254682	+	0	G	
AT1G57980	Chr01						Nucleotide-sugar transporter family protein
		21439938	21440172	-	0	G	
AT1G11270	Chr01						F-box and associated interaction domains-containing protein
		3781911	3782319	-	0	G	
AT1G59124	Chr01						Disease resistance protein (CC-NBS-LRR class) family
		21817472	21818797	+	0	G	
AT1G60570	Chr01						Galactose oxidase/kelch repeat superfamily protein
		22312634	22312879	+	0	G	
AT1G08377	Chr01	22612787	22613021	+	646	T	NA
AT1G61970	Chr01						Mitochondrial transcription termination factor family protein
		22904687	22904921	+	318	T	
AT1G65346	Chr01	24274579	24275053	-	-778	P	hypothetical protein
AT1G65346	Chr01	24275231	24275639	-	0	G	hypothetical protein
AT1G65470	Chr01						chromatin assembly factor-1 (FASCIATA1) (FAS1)
		24323451	24323685	-	0	G	
AT1G65541	Chr01	24365446	24365905	+	-391	P	hypothetical protein

AT1G66320	Chr01	24728194	24728428	-	0	G	F-box/RNI-like superfamily protein
AT1G66960	Chr01	24991777	24992011	-	-128	P	Terpenoid cyclases family protein
AT1G67110	Chr01	25072156	25072390	-	0	G	cytochrome P450, family 735, subfamily A, polypeptide 2
AT1G68060	Chr01	25515494	25515766	-	0	G	microtubule-associated proteins 70-1
AT1G68920	Chr01	25915446	25915944	+	0	G	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT1G69280	Chr01	26048350	26048671	-	-320	P	hypothetical protein
AT1G70530	Chr01	26590511	26590778	-	0	G	cysteine-rich RLK (RECEPTOR-like protein kinase) 3
AT1G71235	Chr01	26854612	26854846	+	170	P	hypothetical protein
AT1G71420	Chr01	26919088	26919322	-	0	G	Tetratricopeptide repeat (TPR)-like superfamily protein
AT1G72050	Chr01	27115943	27116191	+	0	G	transcription factor IIIA
AT2G01008	Chr02	1157	2097	+	0	G	maternal effect embryo arrest protein
AT2G01008	Chr02	2296	3776	+	0	G	maternal effect embryo arrest protein
AT2G01021	Chr02	4175	7526	+	-721	P	hypothetical protein
AT2G01023	Chr02	8384	10321	-	415	T	hypothetical protein
AT2G04485	Chr02	947279	947576	-	0	G	NA
AT2G03290	Chr02	999324	999558	+	35	P	emp24/gp25L/p24 family/GOLD family protein
AT2G03480	Chr02	1051482	1051818	+	0	G	QUASIMODO2 LIKE 2
AT2G05590	Chr02	2067912	2068146	+	0	G	TLD-domain containing nucleolar protein
AT2G06025	Chr02	2347881	2348115	+	-61	P	Acyl-CoA N-acyltransferases (NAT) superfamily protein
AT2G07771	Chr02	3239782	3240214	-	465	T	Cytochrome C assembly protein
AT2G07671	Chr02	3251741	3252380	-	281	P	ATP synthase subunit C family protein
AT2G07674	Chr02	3268247	3268588	+	-515	P	transmembrane protein
AT2G07681	Chr02	3290206	3290664	+	0	G	Cytochrome C assembly protein
AT2G07772	Chr02	3301653	3301896	-	30	P	hypothetical protein
AT2G07698	Chr02	3362623	3363042	+	0	G	ATPase, F1 complex, alpha subunit protein
AT2G07701	Chr02	3370325	3371851	+	-744	P	hypothetical protein
AT2G07638	Chr02	3376734	3377371	+	-111	P	hypothetical protein
AT2G07708	Chr02	3387537	3387818	+	300	T	hypothetical protein

AT2G07641	Chr02	3390729	3391104	-	-190	P	hypothetical protein
AT2G07644	Chr02	3405404	3405640	+	26	P	hypothetical protein
AT2G07646	Chr02	3408881	3409436	+	639	P	hypothetical protein
AT2G07722	Chr02	3437567	3438418	+	-750	P	transmembrane protein
AT2G07722	Chr02	3438610	3438871	+	-2	P	transmembrane protein
AT2G07652	Chr02	3442683	3443024	-	-1539	T	hypothetical protein
AT2G07725	Chr02	3447340	3448403	+	473	P	Ribosomal L5P family protein
AT2G07727	Chr02	3450946	3452094	+	0	G	cytochrome b
AT2G07825	Chr02	3474335	3474582	-	206	P	hypothetical protein
AT2G07658	Chr02	3479431	3480102	-	-570	P	hypothetical protein
AT2G07659	Chr02	3480527	3480883	+	-331	P	transmembrane protein
AT2G07659	Chr02	3481041	3481429	+	0	G	transmembrane protein
AT2G07806	Chr02	3486031	3486451	+	1411	T	hypothetical protein
AT2G07739	Chr02	3495779	3496065	-	0	G	Ycf1 protein
AT2G07741	Chr02						ATPase, F0 complex, subunit A
		3502833	3503389	+	792	P	protein
AT2G08986	Chr02	3614904	3622090	+	439	T	hypothetical protein
AT2G08986	Chr02	3622369	3622820	+	0	G	hypothetical protein
AT2G08986	Chr02	3623085	3623960	+	0	G	hypothetical protein
AT2G08986	Chr02	3624223	3624821	+	0	G	hypothetical protein
AT2G08986	Chr02	3625090	3626499	+	0	G	hypothetical protein
AT2G13100	Chr02						Major facilitator superfamily
		5390556	5390794	+	0	G	protein
AT2G14830	Chr02	6365239	6365599	+	0	G	Ist1p
AT2G15050	Chr02	6518827	6519067	+	0	G	lipid transfer protein
AT2G16586	Chr02	7190937	7191366	+	214	P	transmembrane protein
AT2G17390	Chr02	7556226	7556460	+	0	G	ankyrin repeat-containing 2B
AT2G18730	Chr02	8119511	8119745	+	0	G	diacylglycerol kinase 3
AT2G21470	Chr02	9198652	9198913	+	0	G	SUMO-activating enzyme 2
AT2G21770	Chr02	9284282	9284609	+	54	P	cellulose synthase A9
AT2G22100	Chr02						RNA-binding (RRM/RBD/RNP
		9392354	9392970	-	0	G	motifs) family protein
AT2G22510	Chr02						hydroxyproline-rich
		9569462	9569760	-	0	G	glycoprotein family protein
AT2G22610	Chr02						Di-glucose binding protein with
							Kinesin motor
		9600182	9600416	+	0	G	domain-containing protein
AT2G25060	Chr02	10662200	10662434	+	127	T	early nodulin-like protein 14
AT2G25320	Chr02	10786874	10787266	-	0	G	TRAF-like family protein
AT2G25740	Chr02						ATP-dependent protease La
		10980499	10980791	+	523	T	(LON) domain protein
AT2G25930	Chr02						hydroxyproline-rich
		11059076	11059656	+	422	T	glycoprotein family protein
AT2G08175	Chr02	11408971	11409268	-	189	P	NA

AT2G27650	Chr02	11798958	11799227	-	0	G	Ubiquitin carboxyl-terminal hydrolase-related protein
AT2G29020	Chr02	12470536	12470884	+	0	G	Rab5-interacting family protein
AT2G29930	Chr02	12757483	12757765	-	0	G	F-box/RNI-like superfamily protein
AT2G29950	Chr02	12768215	12768499	+	772	T	ELF4-like 1
AT2G30110	Chr02	12856171	12856405	-	0	G	ubiquitin-activating enzyme 1
AT2G30590	Chr02	13033505	13033739	+	0	G	WRKY DNA-binding protein 21
AT2G31840	Chr02	13538949	13539200	-	0	G	Thioredoxin superfamily protein
AT2G08500	Chr02	13589475	13589709	-	-679	P	NA
AT2G34570	Chr02	14563880	14564388	-	0	G	PIN domain-like family protein
AT2G08670	Chr02	14634215	14634449	+	1184	T	NA
AT2G34740	Chr02	14656465	14656699	+	0	G	protein phosphatase 2C family protein
AT2G35060	Chr02	14776955	14777239	-	0	G	K ⁺ uptake permease 11
AT2G35170	Chr02	14828396	14828666	+	0	G	Histone H3 K4-specific methyltransferase SET7/9 family protein
AT2G35637	Chr02	14984332	14984566	-	-110	P	ncRNA
AT2G36355	Chr02	15242432	15242666	+	-54	P	RAB6-interacting golgin (DUF662)
AT2G37070	Chr02	15578758	15579063	+	495	T	TRIO/F-actin-binding protein
AT2G37400	Chr02	15695965	15696199	-	1375	T	Tetratricopeptide repeat (TPR)-like superfamily protein
AT2G39230	Chr02	16382432	16382848	+	0	G	LATERAL ORGAN JUNCTION
AT2G39355	Chr02	16437654	16437957	+	1301	T	F-box/associated interaction domain protein
AT2G40000	Chr02	16701372	16701912	-	0	G	ortholog of sugar beet HS1
AT2G40730	Chr02	16992137	16992371	-	0	G	PRO-1 2 kinase family with ARM repeat
AT2G42650	Chr02	17766233	17766467	+	1172	T	domain-containing protein
AT2G43430	Chr02	18037589	18037823	-	0	G	Ribosomal protein L1p/L10e family
AT2G44350	Chr02	18316510	18316744	+	0	G	glyoxalase 2-1
AT2G45330	Chr02	18686628	18686925	+	464	P	Citrate synthase family protein
AT2G45940	Chr02	18904413	18904738	+	1563	T	RNA 2'-phosphotransferase, Tpt1 / KptA family
AT2G45950	Chr02	18907266	18907707	-	-9	P	hypothetical protein (DUF295)
AT2G46320	Chr02	19015559	19015993	+	-32	P	SKP1-like 20
							Mitochondrial substrate carrier family protein

AT2G46450	Chr02	19065930	19066665	+	0	G	cyclic nucleotide-gated channel 12
AT2G46910	Chr02	19273036	19273270	+	872	T	Plastid-lipid associated protein PAP / fibrillin family protein
AT3G01070	Chr03	20456	20690	+	0	G	early nodulin-like protein 16
AT3G02210	Chr03	412589	412903	-	-873	P	COBRA-like protein 1 precursor
AT3G03420	Chr03	812811	813119	+	0	G	Ku70-binding family protein
AT3G05700	Chr03	1682072	1682306	-	0	G	Drought-responsive family protein
AT3G07710	Chr03	2464680	2464914	-	-24	P	hypothetical protein
AT3G08490	Chr03	2576604	2576838	-	0	G	delta-latroinsectotoxin-Lt1a protein
AT3G08690	Chr03	2641289	2641523	+	350	T	ubiquitin-conjugating enzyme 11
AT3G08730	Chr03	2654024	2654328	-	36	P	protein-serine kinase 1
AT3G08890	Chr03	2705275	2705509	+	-1142	T	hypothetical protein (Protein of unknown function, DUF538)
AT3G08990	Chr03	2743288	2743804	+	18	P	Yippee family putative zinc-binding protein
AT3G09400	Chr03	2892174	2892408	-	0	G	pol-like 3
AT3G11010	Chr03	3452551	3452785	-	0	G	receptor like protein 34
AT3G11370	Chr03	3559803	3560037	+	0	G	Cysteine/Histidine-rich C1 domain family protein
AT3G12290	Chr03	3920677	3920937	+	1344	T	Amino acid dehydrogenase family protein
AT3G13470	Chr03	4389627	4389861	+	0	G	TCP-1/cpn60 chaperonin family protein
AT3G13610	Chr03	4447026	4447484	+	0	G	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase superfamily protein
AT3G13770	Chr03	4519011	4519333	+	-459	P	Pentatricopeptide repeat (PPR) superfamily protein
AT3G13940	Chr03	4601639	4601890	-	0	G	DNA binding / DNA-directed RNA polymerase
AT3G14730	Chr03	4950571	4950805	-	0	G	Pentatricopeptide repeat (PPR) superfamily protein
AT3G14740	Chr03	4952341	4952676	-	0	G	RING/FYVE/PHD zinc finger superfamily protein
AT3G14890	Chr03	5009230	5009464	+	0	G	phosphoesterase
AT3G15380	Chr03	5194771	5195033	+	0	G	Plasma-membrane choline transporter family protein
AT3G16000	Chr03	5435727	5435961	-	0	G	MAR binding filament-like protein 1

AT3G16390	Chr03	5562462	5562696	+	21	P	nitrile specifier protein 3
AT3G17205	Chr03	5875885	5876143	+	0	G	ubiquitin protein ligase 6
AT3G17730	Chr03	6068399	6068633	+	0	G	NAC domain containing protein 57
AT3G03705	Chr03	6380533	6380884	-	616	T	NA
AT3G19670	Chr03	6837569	6837803	-	-181	P	pre-mRNA-processing protein 40B
AT3G20362	Chr03	7104249	7104493	+	554	P	hypothetical protein
AT3G20730	Chr03	7245339	7245688	+	0	G	PPR superfamily protein
AT3G21055	Chr03	7375758	7376094	-	1260	T	photosystem II subunit T
AT3G21473	Chr03	7564836	7565134	+	-181	P	hypothetical protein
AT3G23030	Chr03	8181590	8181854	-	0	G	indole-3-acetic acid inducible 2
AT3G23330	Chr03	8347746	8348075	+	746	T	Tetratricopeptide repeat (TPR)-like superfamily protein
AT3G23690	Chr03	8531032	8531347	-	169	T	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT3G24715	Chr03	9026912	9027259	+	0	G	kinase superfamily with octicosapeptide/Phox/Bem1p domain-containing protein
AT3G25010	Chr03	9112586	9112923	-	-6	P	receptor like protein 41
AT3G25140	Chr03	9153250	9153484	+	0	G	Nucleotide-diphospho-sugar transferases superfamily protein
AT3G25540	Chr03	9275487	9275721	+	0	G	TRAM, LAG1 and CLN8 (TLC) lipid-sensing domain containing protein
AT3G26600	Chr03	9770272	9770730	+	0	G	armadillo repeat only 4
AT3G27180	Chr03	10029135	10029369	-	0	G	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT3G27870	Chr03	10328778	10329012	+	-1652	T	ATPase E1-E2 type family protein / haloacid dehalogenase-like hydrolase family protein
AT3G28291	Chr03	10550734	10551238	+	59	P	hypothetical protein
AT3G28480	Chr03	10677596	10677830	-	0	G	Oxoglutarate/iron-dependent oxygenase
AT3G28770	Chr03	10797629	10797874	+	0	G	transmembrane protein, putative (DUF1216)
AT3G28770	Chr03	10799537	10799771	+	0	G	transmembrane protein, putative (DUF1216)
AT3G28880	Chr03	10893468	10893731	+	-17	P	serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit

AT3G06355	Chr03	14192942	14205144	+	-532	P	NA
AT3G45320	Chr03	16631710	16631950	+	195	T	transmembrane protein
AT3G46060	Chr03	16919184	16919418	+	0	G	RAB GTPase homolog 8A
AT3G46720	Chr03	17211685	17211919	-	0	G	UDP-Glycosyltransferase superfamily protein
AT3G47110	Chr03	17351278	17351577	-	-474	P	Leucine-rich repeat protein kinase family protein
AT3G47990	Chr03	17714443	17714677	-	0	G	SUGAR-INSENSITIVE 3
AT3G49340	Chr03	18293745	18293979	-	0	G	Cysteine proteinases superfamily protein
AT3G08075	Chr03	18440886	18441120	+	-665	P	NA
AT3G49740	Chr03	18446616	18446850	+	-992	P	Tetratricopeptide repeat (TPR)-like superfamily protein
AT3G49810	Chr03	18476594	18476859	-	0	G	ARM repeat superfamily protein
AT3G49845	Chr03	18485957	18486204	+	0	G	cysteine-rich TM module stress tolerance protein
AT3G49860	Chr03	18492778	18493012	-	-654	P	ADP-ribosylation factor-like A1B
AT3G50030	Chr03	18549413	18549647	-	0	G	ARM-repeat/Tetratricopeptide repeat (TPR)-like protein
AT3G51670	Chr03	19169085	19169402	+	0	G	SEC14 cytosolic factor family protein / phosphoglyceride transfer family protein
AT3G53270	Chr03	19752166	19752472	-	0	G	Small nuclear RNA activating complex (SNAPc), subunit SNAP43 protein
AT3G53310	Chr03	19766724	19767050	-	0	G	AP2/B3-like transcriptional factor family protein
AT3G56330	Chr03	20890993	20891227	+	875	T	N2,N2-dimethylguanosine tRNA methyltransferase
AT3G08775	Chr03	21062927	21063275	-	-327	P	NA
AT3G57080	Chr03	21125164	21125435	+	-426	P	Eukaryotic rpb5 RNA polymerase subunit family protein
AT3G57190	Chr03	21165508	21165765	+	-471	P	peptide chain release factor
AT3G57330	Chr03	21216307	21216614	-	0	G	autoinhibited Ca2+-ATPase 11
AT3G57390	Chr03	21233549	21233783	+	-50	P	AGAMOUS-like 18
AT3G57780	Chr03	21401284	21401518	-	0	G	nucleolar-like protein
AT3G57870	Chr03	21429838	21430161	-	399	T	sumo conjugation enzyme 1
AT3G57880	Chr03	21433416	21433650	-	0	G	Calcium-dependent lipid-binding (CaLB domain) plant phosphoribosyltransferase family protein

AT3G58100	Chr03	21515424	21515732	-	962	T	plasmodesmata callose-binding protein 5
AT3G58200	Chr03	21561336	21561570	-	63	P	TRAF-like family protein
AT3G59050	Chr03	21826644	21827048	-	0	G	polyamine oxidase 3
AT3G59420	Chr03	21962907	21963141	-	156	T	crinkly4
AT3G59550	Chr03	21997003	21997264	+	81	P	Rad21/Rec8-like family protein
AT3G59880	Chr03	22122011	22122245	+	1252	T	hypothetical protein
AT3G61415	Chr03	22726026	22726260	-	281	T	SKP1-like 21
AT3G62340	Chr03	23070509	23070743	-	581	T	WRKY family transcription factor
AT4G00180	Chr04	75148	75383	-	0	G	Plant-specific transcription factor YABBY family protein
AT4G00520	Chr04	227738	227972	+	161	P	Acyl-CoA thioesterase family protein
AT4G03855	Chr04	470223	470457	+	942	T	NA
AT4G01180	Chr04	503418	503684	-	-157	P	XH/XS domain-containing protein
AT4G01430	Chr04	586046	586318	+	0	G	nodulin MtN21 /EamA-like transporter family protein
AT4G01850	Chr04	798126	798360	-	37	P	S-adenosylmethionine synthetase 2
AT4G01915	Chr04	827960	828323	+	904	T	hypothetical protein
AT4G04075	Chr04	973405	973761	-	-31	P	NA
AT4G02655	Chr04	1162581	1162845	+	0	G	transmembrane protein
AT4G05015	Chr04	2460564	2460798	-	-61	P	NA
AT4G08950	Chr04	5740417	5740981	+	0	G	Phosphate-responsive 1 family protein
AT4G09640	Chr04	6090654	6090904	-	0	G	magnesium transporter, putative (DUF803)
AT4G10260	Chr04	6372235	6372682	-	331	T	pfkB-like carbohydrate kinase family protein
AT4G10520	Chr04	6502166	6502529	+	0	G	Subtilase family protein
AT4G10600	Chr04	6548028	6548361	-	0	G	RING/FYVE/PHD zinc finger superfamily protein
AT4G11550	Chr04	7001085	7001493	-	0	G	Cysteine/Histidine-rich C1 domain family protein
AT4G11780	Chr04	7087758	7088159	+	0	G	GAR2-like protein
AT4G11830	Chr04	7119407	7119646	-	0	G	phospholipase D gamma 2
AT4G13530	Chr04	7867157	7867535	+	0	G	transmembrane protein
AT4G13650	Chr04	7941977	7942310	-	0	G	Pentatricopeptide repeat (PPR) superfamily protein
AT4G14300	Chr04	8231099	8231333	+	214	P	RNA-binding (RRM/RBD/RNP motifs) family protein
AT4G06210	Chr04	8423058	8423427	-	0	G	NA

AT4G16440	Chr04	9272178	9272646	-	-743	P	ferredoxin hydrogenase
AT4G18950	Chr04	10375739	10375973	+	0	G	Integrin-linked protein kinase family
AT4G19660	Chr04	10697501	10697772	-	0	G	NPR1-like protein 4
AT4G19900	Chr04	10790468	10790722	-	0	G	alpha 1,4-glycosyltransferase family protein
AT4G20790	Chr04	11136089	11136624	-	67	P	Leucine-rich repeat protein kinase family protein
AT4G21070	Chr04	11246954	11247314	+	-857	P	breast cancer susceptibility1
AT4G21300	Chr04	11336929	11337298	+	0	G	Tetratricopeptide repeat (TPR)-like superfamily protein
AT4G21700	Chr04	11530804	11531084	+	0	G	DUF2921 family protein, putative (DUF2921)
AT4G21820	Chr04	11577830	11578160	+	471	P	binding / calmodulin binding protein
AT4G22130	Chr04	11723552	11723786	+	0	G	STRUBBELIG-receptor family 8
AT4G26555	Chr04	13406050	13406284	-	-58	P	FKBP-like peptidyl-prolyl cis-trans isomerase family protein
AT4G27020	Chr04	13570496	13570730	-	0	G	inositol-1,4,5-trisphosphate 5-phosphatase
AT4G29010	Chr04	14298525	14298759	-	0	G	Enoyl-CoA hydratase/isomerase family
AT4G30470	Chr04	14894391	14894844	+	0	G	NAD(P)-binding Rossmann-fold superfamily protein
AT4G30760	Chr04	14983086	14983347	+	766	P	Putative endonuclease or glycosyl hydrolase
AT4G08955	Chr04	16386944	16387178	+	0	G	NA
AT4G34760	Chr04	16582739	16582973	-	0	G	SAUR-like auxin-responsive protein family
AT4G34890	Chr04	16622640	16622874	-	0	G	xanthine dehydrogenase 1
AT4G35500	Chr04	16858547	16858844	+	0	G	Protein kinase superfamily protein
AT4G37870	Chr04	17805208	17805442	-	0	G	phosphoenolpyruvate carboxykinase 1
AT4G38020	Chr04	17861699	17861933	+	381	P	tRNA/rRNA methyltransferase (SpoU) family protein
AT4G39330	Chr04	18292094	18292543	+	1100	T	cinnamyl alcohol dehydrogenase 9
AT5G01440	Chr05	180455	180689	+	0	G	hypothetical protein
AT5G02140	Chr05	423058	423330	+	-8	P	Pathogenesis-related thaumatin superfamily protein

AT5G03730	Chr05	977555	977830	-	0	G	Protein kinase superfamily protein
AT5G04540	Chr05	1301547	1301781	-	0	G	Myotubularin-like phosphatases II superfamily
AT5G05560	Chr05	1641062	1641296	+	-186	P	E3 ubiquitin ligase
AT5G05820	Chr05	1753252	1753511	-	0	G	Nucleotide-sugar transporter family protein
AT5G01255	Chr05	1930917	1931331	+	-168	P	NA
AT5G06560	Chr05	2004968	2005202	-	0	G	myosin-binding protein (Protein of unknown function, DUF593)
AT5G07590	Chr05	2402659	2402893	-	0	G	Transducin/WD40 repeat-like superfamily protein
AT5G08630	Chr05	2802653	2803039	-	325	P	DDT domain-containing protein
AT5G09690	Chr05	3002532	3002766	-	0	G	magnesium transporter 7
AT5G10040	Chr05	3143725	3143999	+	139	P	transmembrane protein
AT5G10100	Chr05	3157973	3158207	+	0	G	Haloacid dehalogenase-like hydrolase (HAD) superfamily protein
AT5G10240	Chr05	3215840	3216074	-	509	T	asparagine synthetase 3
AT5G10290	Chr05	3235460	3235796	-	0	G	leucine-rich repeat transmembrane protein kinase family protein
AT5G10340	Chr05	3253062	3253361	+	89	P	F-box family protein
AT5G13200	Chr05	4208437	4208710	+	1789	T	GRAM domain family protein
AT5G13680	Chr05	4414711	4414962	-	786	P	IKI3 family protein
AT5G13820	Chr05	4461474	4461708	+	37	P	telomeric DNA binding protein 1
AT5G14320	Chr05	4618337	4618571	-	458	T	Ribosomal protein S13/S18 family
AT5G15390	Chr05	4993366	4993600	+	0	G	tRNA/rRNA methyltransferase (SpoU) family protein
AT5G16170	Chr05	5277748	5278134	+	0	G	Core-2/I-branching beta-1,6-N-acetylglucosaminyltransferase family protein
AT5G17330	Chr05	5710992	5711246	+	0	G	glutamate decarboxylase
AT5G17430	Chr05	5744526	5744760	-	0	G	Integrase-type DNA-binding superfamily protein
AT5G02745	Chr05	5795032	5795266	-	47	P	NA
AT5G17850	Chr05	5899723	5899968	+	0	G	Sodium/calcium exchanger family protein
AT5G18310	Chr05	6062254	6062574	+	0	G	ubiquitin hydrolase
AT5G18500	Chr05	6138572	6138948	+	43	P	Protein kinase superfamily protein
AT5G19190	Chr05	6457523	6457939	+	0	G	hypothetical protein

AT5G19315	Chr05	6505321	6505584	+	921	T	Defensin-like (DEFL) family protein
AT5G20010	Chr05	6758500	6758734	+	0	G	RAS-related nuclear protein-1
AT5G20510	Chr05	6942545	6942803	-	234	T	alfin-like 5
AT5G22010	Chr05	7287800	7288104	-	-518	P	replication factor C1
AT5G22720	Chr05	7551463	7551697	-	-406	P	F-box/FBD/LRR protein
AT5G23040	Chr05	7730815	7731049	-	123	T	cell growth defect factor-like protein (DUF3353)
AT5G24760	Chr05	8496288	8496528	-	0	G	GroES-like zinc-binding dehydrogenase family protein
AT5G25230	Chr05	8740945	8741224	+	0	G	Ribosomal protein S5/Elongation factor G/III/V family protein
AT5G25280	Chr05	8774020	8774517	+	0	G	serine-rich protein-like protein
AT5G04055	Chr05	8958329	8958563	+	-908	P	NA
AT5G26210	Chr05	9159513	9159810	-	0	G	alfin-like 4
AT5G26570	Chr05	9262130	9262364	+	0	G	chloroplastidic phosphoglucan, water dikinase (ATGWD3)
AT5G27410	Chr05	9679593	9679827	+	-31	P	D-aminoacid aminotransferase-like PLP-dependent enzymes superfamily protein
AT5G28050	Chr05	10044793	10045037	-	0	G	Cytidine/deoxycytidylate deaminase family protein
AT5G28180	Chr05	10162808	10163048	+	0	G	Galactose oxidase/kelch repeat superfamily protein
AT5G28460	Chr05	10376046	10376293	+	0	G	Pentatricopeptide repeat (PPR) superfamily protein
AT5G35620	Chr05	13825606	13825864	-	0	G	Eukaryotic initiation factor 4E protein
AT5G35840	Chr05	14009845	14010079	+	0	G	phytochrome C
AT5G37430	Chr05	14841625	14842020	+	-608	P	hypothetical protein (DUF577)
AT5G37570	Chr05	14925696	14925930	-	0	G	Pentatricopeptide repeat (PPR-like) superfamily protein
AT5G38200	Chr05	15257931	15258326	+	0	G	Class I glutamine amidotransferase-like superfamily protein
AT5G39000	Chr05	15611479	15611739	+	-203	P	Malectin/receptor-like protein kinase family protein
AT5G39510	Chr05	15821397	15821631	+	221	T	Vesicle transport v-SNARE family protein
AT5G40410	Chr05	16171406	16171644	+	151	T	Tetratricopeptide repeat (TPR)-like superfamily protein
AT5G40440	Chr05	16187581	16187815	+	0	G	mitogen-activated protein

							kinase kinase 3
AT5G40450	Chr05	16188939	16189173	-	0	G	A-kinase anchor-like protein
AT5G41110	Chr05	16451766	16452000	+	413	P	meiosis chromosome segregation family protein
AT5G41290	Chr05	16512429	16512748	+	0	G	Receptor-like protein kinase-related family protein
AT5G42050	Chr05	16815679	16816532	+	0	G	DCD (Development and Cell Death) domain protein
AT5G42325	Chr05	16924045	16924332	-	663	T	Transcription factor IIS protein BRCA1-A complex subunit
AT5G42470	Chr05	16982727	16982961	+	0	G	BRE-like protein
AT5G06395	Chr05	17169165	17169441	+	-1002	T	NA
AT5G42830	Chr05	17176321	17176555	+	0	G	HXXXD-type acyl-transferase family protein
AT5G43200	Chr05	17346227	17346674	-	379	P	Zinc finger, C3HC4 type (RING finger) family protein
AT5G44770	Chr05	18065545	18065784	+	0	G	Cysteine/Histidine-rich C1 domain family protein
AT5G44790	Chr05						copper-exporting ATPase / responsive-to-antagonist 1 / copper-transporting ATPase
		18078909	18079143	-	0	G	(RAN1)
AT5G45340	Chr05	18369676	18369914	-	0	G	cytochrome P450, family 707, subfamily A, polypeptide 3
AT5G45430	Chr05	18407401	18407677	+	151	P	Protein kinase superfamily protein
AT5G45520	Chr05	18454401	18454810	-	-922	P	Leucine-rich repeat (LRR) family protein
AT5G06885	Chr05	19047511	19047745	-	-709	P	NA
AT5G49580	Chr05	20125773	20126036	-	0	G	Chaperone DnaJ-domain superfamily protein
AT5G50240	Chr05	20451795	20452090	+	409	P	protein-l-isoaspartate methyltransferase 2
AT5G50290	Chr05	20461113	20461366	+	-538	P	wall-associated receptor kinase galacturonan-binding protein
AT5G50530	Chr05						CBS / octicosapeptide/Phox/Bemp1 (PB1) domains-containing
		20573389	20573792	-	1660	T	protein
AT5G50530	Chr05						CBS / octicosapeptide/Phox/Bemp1 (PB1) domains-containing
		20574344	20574746	-	705	T	protein
AT5G50550	Chr05	20577689	20577934	+	0	G	Transducin/WD40 repeat-like

							superfamily protein
							Squamosa promoter-binding
							protein-like (SBP domain)
AT5G50570	Chr05						transcription factor family
		20583984	20584218	-	0	G	protein
AT5G50580	Chr05	20586140	20586431	+	0	G	SUMO-activating enzyme 1B
							Integrase-type DNA-binding
AT5G51190	Chr05	20800894	20801159	-	0	G	superfamily protein
AT5G51450	Chr05	20894628	20894862	+	0	G	RPM1 interacting protein 3
							Homeodomain-like superfamily
AT5G52660	Chr05	21360389	21360713	-	0	G	protein
							Ribonuclease P protein subunit
AT5G53020	Chr05	21500044	21500306	+	0	G	P38-like protein
AT5G54035	Chr05	21926328	21926631	+	240	T	hypothetical protein
AT5G54080	Chr05	21944828	21945096	+	-903	P	homogentisate 1,2-dioxygenase
							Transport protein particle
AT5G54750	Chr05	22241539	22242022	+	299	P	(TRAPP) component
							DEK domain-containing
AT5G55660	Chr05	22538810	22539044	+	0	G	chromatin associated protein
							ubiquitin-conjugating enzyme
AT5G56150	Chr05	22729312	22729584	+	266	T	30
AT5G56350	Chr05	22824065	22824356	-	0	G	Pyruvate kinase family protein
							FBD, F-box and Leucine Rich
AT5G56560	Chr05						Repeat domains containing
		22900440	22900724	+	0	G	protein
							P-loop containing nucleoside
AT5G57480	Chr05						triphosphate hydrolases
		23279775	23280009	-	0	G	superfamily protein
							Xyloglucan
AT5G57560	Chr05						endotransglucosylase/hydrolase
		23307402	23307846	-	0	G	family protein
							monofunctional riboflavin
AT5G59750	Chr05	24074707	24075004	+	1560	T	biosynthesis protein RIBA 3
AT5G60070	Chr05	24193667	24193901	-	-890	P	ankyrin repeat family protein
AT5G60150	Chr05	24218439	24218737	+	606	P	hypothetical protein
							Plant calmodulin-binding
AT5G61260	Chr05	24637332	24637566	+	0	G	protein-like protein
							inner membrane OXA1-like
AT5G62050	Chr05	24927080	24927323	-	113	P	protein
							Xanthine/uracil permease
AT5G62890	Chr05	25243337	25243571	+	37	P	family protein
							Octicosapeptide/Phox/Bem1p
AT5G63130	Chr05	25323860	25324180	+	1045	T	family protein
AT5G63180	Chr05	25342095	25342329	-	0	G	Pectin lyase-like superfamily

							protein
							S-adenosyl-L-methionine-depen
							dent methyltransferases
AT5G64030	Chr05	25624290	25624524	+	0	G	superfamily protein
AT5G66840	Chr05	26693232	26693567	-	1954	T	SAP domain-containing protein
ATMG00010		572	835	-	31	P	NA
ATMG00080		24889	25434	-	454	P	NA
ATMG00110		30730	30995	+	0	G	NA
ATMG00140		34466	34721	+	-6	P	NA
ATMG00200		56413	56705	-	-469	P	hypothetical protein
ATMG00220		60454	60775	+	0	G	cytochrome b
ATMG00260		75769	76164	+	-166	P	NA
ATMG00270		77229	77672	-	-191	P	NA
ATMG00310		91993	92589	-	-944	P	uncharacterized mitochondrial protein AtMg00310-like
ATMG00370		105719	106332	-	-472	P	uncharacterized mitochondrial protein AtMg00370-like
ATMG00430		114864	116421	+	211	P	NA
ATMG00440		117166	117421	+	997	T	NA
ATMG00450		118411	118645	-	1173	T	NA
ATMG00480		129624	129902	+	-146	P	Plant mitochondrial ATPase, F0 complex, subunit 8 protein
ATMG00513		141677	142018	-	0	G	NA
ATMG00590		171287	171521	+	1608	T	Cytochrome b/b6 protein
ATMG00630		182382	183132	+	-354	P	NA
ATMG00630		183588	183836	+	601	T	NA
ATMG00710		206383	206740	-	1354	T	uncharacterized mitochondrial protein AtMg00710-like
ATMG00710		207966	208362	-	-249	P	uncharacterized mitochondrial protein AtMg00710-like
ATMG00720		208533	209360	+	-553	P	NA
ATMG00770		222569	223217	-	96	P	NA
ATMG00820		229052	229291	-	-86	P	uncharacterized mitochondrial protein AtMg00820-like
ATMG00870		237869	238114	-	-510	P	NA
ATMG00940		250892	251410	-	746	T	NA
ATMG00960		257155	257402	-	198	T	Cytochrome C assembly protein
ATMG01030		263334	263664	-	934	T	uncharacterized mitochondrial protein AtMg01030
ATMG01030		264270	264626	-	-15	P	NA
ATMG01040		270735	271132	-	-372	P	NA
ATMG01170		297442	298542	-	0	G	NA
ATMG01190		302717	303021	-	820	T	ATPase, F1 complex, alpha subunit protein

ATMG01200	304680	305019	-	-129	P	NA
ATMG01220	305374	305763	-	-6	P	hypothetical protein
ATMG01260	312504	312790	-	0	G	NA
ATMG01360	350912	351186	-	0	G	NA
ATMG01360	352015	352357	-	-773	P	NA
ATMG01400	362701	362966	+	-892	P	NA
ATMG01400	364804	365187	+	1270	T	NA
ATCG00040	4	7991	-	-361	P	NA
ATCG00180	8262	36249	-	829	T	NA
ATCG00790	36401	128449	-	227	T	NA
ATCG01240	139716	141331	+	-181	P	NA
ATCG01250	141475	143998	+	0	G	NA
ATCG01280	145237	154208	-	0	G	NA
AT1G58150	21527527	21528164	+	-2258	I	
AT1G52200	19448761	19448995	-	-5247	I	
AT1G41830	15599248	15599667	-	8509	I	
AT1G40390	15370548	15370782	-	64009	I	
AT1G40129	15272453	15272869	+	32108	I	
AT1G40104	15143202	15143436	+	61367	I	
AT1G40104	15100175	15100534	+	18402	I	
AT1G39070	14721755	14722090	+	-11603	I	
AT1G23010	8149128	8149362	+	2127	I	
AT1G38790	14592359	14592636	-	-47969	I	
AT1G79250	29809037	29809347	-	3087	I	
AT1G12420	4233779	4234023	-	-4690	I	
AT1G61860	22861827	22862119	-	2925	I	
AT1G63750	23656667	23656930	+	5950	I	
AT1G58340	21656062	21656296	+	3191	I	
AT1G11270	3784688	3784954	-	2167	I	
AT1G76790	28821122	28821412	-	2460	I	
AT2G01021	7736	8084	+	1339	I	
AT2G4816	19697763	19698067	-	-1094	I	
AT2G05865	5404050	5404357	+	-7525	I	
AT2G12646	5200395	5200629	-	-31209	I	
AT2G12646	5202081	5202591	-	-33033	I	
AT2G12646	5203090	5203818	-	-34151	I	
AT2G09795	3662698	3662987	-	9386	I	
AT2G09840	3715410	3715648	-	-9935	I	
AT2G09840	3718025	3718342	-	-12589	I	
AT2G12646	5198819	5200247	-	-30230	I	
AT2G07741	3504932	3505219	+	2756	I	
AT2G05395	3506250	3506983	+	-3074	I	
AT2G07981	3605710	3607434	+	-8414	I	
AT2G07981	3607585	3607921	+	-7233	I	

AT2G07732	3470285	3470637	-	-1562	I
AT2G07718	3418083	3418781	+	-6253	I
AT2G07721	3436194	3436840	-	-1238	I
AT2G07701	3369365	3369739	+	-2280	I
AT2G07696	3354007	3354366	-	-1958	I
AT2G07678	3279172	3279575	+	-1724	I
AT2G07565	3185558	3185951	+	-1314	I
AT2G04745	1435912	1436146	-	2749	I
AT2G08986	3626749	3627537	+	9085	I
AT2G35075	14788602	14788936	+	2309	I
AT2G05215	3331903	3332558	+	-2180	I
AT2G29605	12662061	12662322	-	-2104	I
AT2G05230	1906063	1906297	-	-3355	I
AT3G28270	10536531	10536765	+	-1357	I
AT3G61320	22696706	22697575	+	3267	I
AT3G09245	22060855	22061263	+	1883	I
AT3G50300	18642523	18642831	+	-1183	I
AT3G05635	10965955	10966324	-	-1423	I
AT3G29255	11205422	11205668	+	-4041	I
AT3G31910	12915474	12915708	-	-5200	I
AT3G32980	13587521	13587811	-	-57568	I
AT3G32980	13588844	13592548	-	-60598	I
AT3G61340	22700170	22700479	-	2157	I
AT3G41761	14191725	14192517	+	-3796	I
AT4G14615	8382425	8382871	+	-1079	I
AT4G06701	4000422	4000656	-	-59742	I
AT4G06701	4000980	4001250	-	-60318	I
AT4G06701	4005588	4005991	-	-64992	I
AT4G06744	4007230	4007524	-	65093	I
AT4G06744	4009586	4010302	-	62526	I
AT4G06744	4010712	4011179	-	61525	I
AT4G06701	3976491	3976815	-	-35856	I
AT4G06701	3977499	3978237	-	-37071	I
AT4G06701	3978616	3979033	-	-38027	I
AT4G06701	3979199	3979633	-	-38619	I
AT4G06701	3979962	3980411	-	-39389	I
AT4G06701	3982357	3982720	-	-41741	I
AT4G06701	3984280	3984776	-	-43731	I
AT4G06701	3985296	3985654	-	-44678	I
AT4G06701	3985921	3986235	-	-45281	I
AT4G06701	3987355	3987616	-	-46688	I
AT4G06526	3259254	3259488	-	61574	I
AT4G06701	3950527	3956000	-	-12466	I
AT4G06701	3965732	3966021	-	-25079	I

AT4G06701	3966429	3966766	-	-25800	I
AT4G06701	3967100	3967466	-	-26486	I
AT4G06701	3969155	3969692	-	-28626	I
AT4G06701	3972616	3972856	-	-31939	I
AT4G06701	3974095	3974329	-	-33415	I
AT4G06701	3974672	3975020	-	-34049	I
AT4G06701	3975707	3976100	-	-35106	I
AT4G05612	2951191	2951425	+	-7786	I
AT4G06479	3054548	3054821	+	-12819	I
AT4G06526	3221806	3222123	-	98981	I
AT4G06526	3249435	3249669	-	71393	I
AT4G06526	3252250	3252531	-	68555	I
AT4G03420	1509978	1510215	+	-1501	I
AT4G32600	15725149	15725769	+	2102	I
AT4G38620	18056304	18056567	+	3075	I
AT5G32440	11860596	11861233	+	-215803	I
AT5G32440	11876468	11876713	+	-200127	I
AT5G32440	11957589	11957838	+	-119004	I
AT5G32440	11958656	11959243	+	-117768	I
AT5G32440	11963598	11963843	+	-112997	I
AT5G32440	12046645	12046880	+	-29955	I
AT5G32440	12064485	12064800	+	-12075	I
AT5G30520	11708782	11709241	-	-72373	I
AT5G30520	11710147	11710396	-	-73633	I
AT5G30520	11723379	11723869	-	-86986	I
AT5G30520	11724119	11724593	-	-87718	I
AT5G30520	11726189	11729943	-	-91428	I
AT5G30520	11730334	11733991	-	-95524	I
AT5G30520	11734278	11735476	-	-98239	I
AT5G30520	11735744	11736294	-	-99381	I
AT5G30520	11754395	11754629	-	-117874	I
AT5G30520	11795206	11795440	-	-158685	I
AT5G29560	11184912	11185260	-	6881	I
AT5G29560	11185468	11186674	-	5896	I
AT5G30520	11701933	11703669	-	-66163	I
AT5G30520	11703869	11704380	-	-67486	I
AT5G30520	11704526	11704812	-	-68031	I
AT5G30520	11705176	11705645	-	-68772	I
AT5G30520	11706835	11707170	-	-70364	I
AT5G30520	11707396	11707683	-	-70901	I
AT5G30520	11708076	11708494	-	-71647	I
AT5G13200	4210099	4210338	+	3434	I
AT5G13210	4211409	4211836	+	-2333	I
AT5G61020	24557277	24557524	-	2479	I

AT5G13210	4212667	4213033	+	-1105	I
ATMG01370	357587	358263	-	3127	I
ATMG01290	322009	322626	+	-1942	I
ATMG01320	339478	339855	-	-6561	I
ATMG01350	344845	345108	+	-1781	I
ATMG01180	299663	300250	-	1345	I
ATMG01060	276603	276839	+	1822	I
ATMG01040	269074	269357	-	1346	I
ATMG00630	185379	185831	+	2494	I
ATMG00580	159882	160180	+	-1662	I
ATMG00470	123681	124114	-	3946	I
ATMG00400	109706	110142	-	1479	I
ATMG00290	84704	85077	-	-1774	I
ATMG00220	63012	63279	+	2910	I
ATMG00240	66260	66533	-	2857	I
ATMG00240	67458	68133	-	1458	I
ATMG00260	73386	73844	+	-2517	I
ATMG00170	45814	46704	+	-1854	I
ATMG01360	349080	349585	-	2081	I
ATCG01130	130977	131211	-	-1850	I
ATCG01130	132273	132882	-	-3333	I
ATCG01130	133540	133924	-	-4488	I
ATCG01230	134179	135750	+	-4892	I

Footnote: G: gene; P: promoter; T: terminator; I: intergenic; Start: peak start location on the genome; End: peak end location on the genome