

Table S1. Locus number, annotation, primer pairs and amplification efficiency of qRT-PCR analyses.

Locusnumber	Annotation	forward	reverse	reaction efficiency
Target genes				
LOC_Os06g29950	MATE domain containing protein	ATTGTGGGCATACCTTCAGC	ATCCCAATTTGTGCATAGGG	0.85
LOC_Os12g08760	carboxyvinyl-carboxyphosphonate phosphorylmutase	AGGAGGACCAAGGGTTATCG	GGACTTGATGAGGTGGAACC	0.7
LOC_Os11g32650	chalcone synthase	CAAGAGGATGTGTGACAAGTCG	GCACATGTTGGGGTTCTCC	0.7
LOC_Os08g09080	Cupin domain containing protein	TGTGTTTCGATTCCCTGTGG	AGGGTTCTGGCTGCTAAGTG	0.75
LOC_Os01g55240	gibberellin 2-beta-dioxygenase	ACTCGTTGCAGGTTCTGACC	TGCAATCCTCTGTGCTAACG	0.9
LOC_Os11g44960	NBS-LRR disease resistance protein	GAGAGGGTCTCCAACCTTCC	CTCCAAACCACCCAACCTCC	0.75
LOC_Os03g14990	chorismate synthase 2, chloroplast precursor	TGTTTCAAGGGAGCATGAGG	CATCAGCTGGTCCATGAGG	0.75
LOC_Os09g28690	gibberellin receptor GID1L2	GAGGGCCACGTCTACTTCC	CTAGTTGCGGTTGATGAAGG	0.85
LOC_Os02g35180	OsRR2 type-A response regulator	TGGCAGGACTAGCCATGGTGATG	TGCTGCCATTGGACCATCTGTGC	0.7
LOC_Os01g51700	ras-related protein, putative, expressed Ras GTPase	GGAGGGAAAAGCAGAGTGG	CAGACAAGAACGCACTGTCCG	0.8
LOC_Os02g19440	sirohochlorin ferrochelataze, Cobalamin (vitamin B12) biosynthesis CbiX	ATCTCAATCCCCTTCCAACC	CTCGGCAACTTGACAAAGC	0.7
LOC_Os03g16010	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1 precursor	TTCAGGGTGGAGCTATGTGG	TTTATAAACCGTCCCGAAGC	0.7
LOC_Os02g56880	transcriptional corepressor LEUNIG	GTGTTCCACCCAAGCTATGC	ACCTTCATGGGCTTGTATCG	0.7
Reference genes				
LOC_Os03g27010	Expressed protein	TGTGAGCAGCTTCTCGTTTG	TGTTGTTGCCTGTGAGATCG	0.7
LOC_Os07g02340	Expressed protein	AGGAACATGGAGAAGAACAAGG	CAGAGGTGGTGCAGATGAAA	0.7

Table S2. List of transcripts that are significantly differentially expressed in 7 dai giant cells induced by *M. graminicola*. The list shows the chromosomal location and the log₂FC between giant cells and control vascular cells of each transcript.

Transcript_ID	Description	Chr	Left	Right	Sense	ExonCount	TotalExon Length	log2FC (7daiGC_vs_control)
LOC_Os06g29950.1	MATE domain containing protein, expressed	Chr6	17242871	17248084	+	10	2117	-9.94
LOC_Os06g46149.1	serine/arginine repetitive matrix protein 1, putative, expressed	Chr6	27960874	27971323	+	5	1510	-9.71
LOC_Os06g46149.2	serine/arginine repetitive matrix protein 1, putative, expressed	Chr6	27960869	27971323	+	5	1519	-9.71
LOC_Os12g13890.1	retrotransposon protein, putative, unclassified, expressed	Chr12	7874180	7875247	-	1	1100	-9.65
LOC_Os12g13890.2	retrotransposon protein, putative, unclassified, expressed	Chr12	7874180	7875247	-	2	745	-9.57
LOC_Os03g55010.1	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed	Chr3	31281994	31284676	+	2	1658	-9.49
LOC_Os09g39190.1	OsFBO22 - F-box and other domain containing protein, expressed	Chr9	22507884	22513289	-	12	3171	-9.36
LOC_Os09g39190.2	OsFBO22 - F-box and other domain containing protein, expressed	Chr9	22507884	22513289	-	11	3231	-9.36
LOC_Os03g55030.1	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed	Chr3	31294497	31297075	-	2	1723	-9.34
LOC_Os03g55030.2	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed	Chr3	31294499	31297158	-	3	1732	-9.34
LOC_Os12g05880.1	Cupin domain containing protein, expressed	Chr12	2699175	2700272	-	1	1130	-9.25
LOC_Os04g51920.1	protein disulfide isomerase, putative, expressed	Chr4	30805662	30808467	-	5	1592	-9.25
LOC_Os08g30020.6	membrane protein, putative, expressed	Chr8	18452698	18456676	+	8	1631	-9.22
LOC_Os10g41999.1	RALFL27 - Rapid Alkalinization Factor RALF family protein precursor, expressed	Chr10	22578902	22583351	+	3	1014	-9.20
LOC_Os08g30020.8	membrane protein, putative, expressed	Chr8	18452698	18454473	+	4	695	-9.18
LOC_Os12g08760.1	carboxyvinyl-carboxyphosphonate phosphorylmutase, putative, expressed	Chr12	4499736	4503990	+	7	1973	-9.11
LOC_Os09g29660.1	white-brown complex homolog protein 11, putative, expressed	Chr9	18034121	18039233	+	8	2722	-9.09
LOC_Os06g17970.1	NBS-LRR disease resistance protein, putative, expressed	Chr6	10445052	10451152	+	4	4373	-9.00
LOC_Os01g25630.1	NB-ARC domain containing protein, expressed	Chr1	14526602	14531604	-	4	3292	-8.99
LOC_Os10g41980.1	RALFL26 - Rapid Alkalinization Factor RALF family protein precursor, expressed	Chr10	22575212	22576531	+	2	695	-8.80
LOC_Os03g01700.1	expressed protein	Chr3	430478	432878	-	2	2370	-8.76
LOC_Os03g16960.1	cysteine-rich repeat secretory protein 55 precursor, putative, expressed	Chr3	9425490	9426843	-	2	1330	-8.65
LOC_Os04g51920.2	protein disulfide isomerase, putative, expressed	Chr4	30806238	30808464	-	2	928	-8.60
LOC_Os01g08090.1	flavonol-3-O-glycoside-7-O-glucosyltransferase 1, putative, expressed	Chr1	3917918	3920458	+	2	1897	-8.58
LOC_Os01g36560.1	auxin-induced protein 5NG4, putative, expressed	Chr1	20287702	20290661	-	7	1443	-8.55
LOC_Os09g37330.1	OsSAUR39 - Auxin-responsive SAUR gene family member, expressed	Chr9	21565736	21566560	-	1	857	-8.47
LOC_Os11g36200.2	receptor-like protein kinase 2 precursor, putative, expressed	Chr11	21297839	21301732	+	2	3808	-8.43
LOC_Os11g36200.1	receptor-like protein kinase 2 precursor, putative, expressed	Chr11	21297806	21301732	+	1	3959	-8.43
LOC_Os08g38170.3	methyladenine glycosylase, putative, expressed	Chr8	24186670	24189469	+	4	2099	-8.32
LOC_Os08g38170.1	methyladenine glycosylase, putative, expressed	Chr8	24186670	24189469	+	5	1822	-8.32
LOC_Os03g51479.3	maf, putative, expressed	Chr3	29454977	29456651	+	7	1260	-8.31
LOC_Os01g15340.1	flowering promoting factor-like 1, putative, expressed	Chr1	8586049	8586941	-	1	925	-8.31
LOC_Os01g68720.1	keratin, type I cytoskeletal 9, putative, expressed	Chr1	39918935	39920664	-	2	1560	-8.29
LOC_Os08g38170.4	methyladenine glycosylase, putative, expressed	Chr8	24186670	24189469	+	3	2707	-8.27
LOC_Os08g38170.5	methyladenine glycosylase, putative, expressed	Chr8	24186670	24189469	+	2	2761	-8.27
LOC_Os05g47750.1	Ser/Thr protein kinase, putative, expressed	Chr5	27353477	27357619	-	3	1472	-8.25
LOC_Os08g44860.4	aminopeptidase, putative, expressed	Chr8	28173231	28181743	-	31	4337	-8.23
LOC_Os08g44860.5	aminopeptidase, putative, expressed	Chr8	28173231	28181743	-	30	4227	-8.22
LOC_Os08g44860.6	aminopeptidase, putative, expressed	Chr8	28173231	28181743	-	29	4150	-8.22
LOC_Os08g44860.8	aminopeptidase, putative, expressed	Chr8	28173231	28181743	-	29	4184	-8.22

LOC_Os08g44860.7	aminopeptidase, putative, expressed	Chr8	28173231	28181743 -	29	4186	-8.22
LOC_Os05g50730.1	expressed protein	Chr5	29077045	29078538 -	2	1449	-8.22
LOC_Os08g44860.3	aminopeptidase, putative, expressed	Chr8	28173231	28181743 -	32	4502	-8.18
LOC_Os08g44860.1	aminopeptidase, putative, expressed	Chr8	28173231	28181743 -	32	4568	-8.18
LOC_Os08g44860.2	aminopeptidase, putative, expressed	Chr8	28173231	28181743 -	32	4477	-8.18
LOC_Os01g74490.1	heavy metal-associated domain containing protein, expressed	Chr1	43141841	43142670 +	1	862	-8.16
LOC_Os11g40840.1	receptor-like protein kinase 2 precursor, putative, expressed	Chr11	24437028	24438326 -	1	1331	-8.16
LOC_Os09g32100.1	expressed protein	Chr9	19166350	19167844 +	2	1450	-8.12
LOC_Os12g33150.1	expressed protein	Chr12	20058249	20059540 -	3	396	-8.08
LOC_Os01g71106.2	NBS-LRR disease resistance protein, putative, expressed	Chr1	41155813	41160726 -	3	4536	-8.07
LOC_Os06g51070.1	no apical meristem protein, putative, expressed	Chr6	30893477	30894523 -	1	1079	-8.06
LOC_Os11g42510.1	tyrosine aminotransferase, putative, expressed	Chr11	25596437	25602418 -	8	1940	-8.03
LOC_Os08g24310.1	receptor-like protein kinase precursor, putative, expressed	Chr8	14673019	14679422 +	2	3341	-8.03
LOC_Os12g26290.2	alpha-DOX2, putative, expressed	Chr12	15330146	15340505 -	12	2796	-8.01
LOC_Os02g02780.1	protein kinase family protein, putative, expressed	Chr2	1050786	1056830 -	16	2762	-8.01
LOC_Os12g26290.5	alpha-DOX2, putative, expressed	Chr12	15330146	15340505 -	10	3153	-8.01
LOC_Os12g26290.3	alpha-DOX2, putative, expressed	Chr12	15330146	15340505 -	11	2686	-8.01
LOC_Os12g26290.1	alpha-DOX2, putative, expressed	Chr12	15330146	15340505 -	11	2698	-8.01
LOC_Os12g26290.4	alpha-DOX2, putative, expressed	Chr12	15330146	15340505 -	10	2574	-8.01
LOC_Os05g47770.1	serine/threonine-protein kinase At1g18390 precursor, putative, expressed	Chr5	27360906	27367545 +	5	2516	-7.99
LOC_Os03g51479.1	maf, putative, expressed	Chr3	29455123	29457859 +	7	2251	-7.98
LOC_Os12g12010.1	verticillium wilt disease resistance protein precursor, putative, expressed	Chr12	6583346	6586345 +	1	3032	-7.94
LOC_Os07g46350.1	OsSCP40 - Putative Serine Carboxypeptidase homologue, expressed	Chr7	27638815	27643797 -	7	2210	-7.93
LOC_Os05g51590.1	N-rich protein, putative, expressed	Chr5	29584730	29586168 -	1	1471	-7.91
LOC_Os03g51479.2	maf, putative, expressed	Chr3	29455127	29457859 +	9	2066	-7.91
LOC_Os12g26290.6	alpha-DOX2, putative, expressed	Chr12	15330146	15340505 -	12	2603	-7.90
LOC_Os03g28300.2	protein kinase domain containing protein, expressed	Chr3	16282782	16290482 +	6	3998	-7.81
LOC_Os05g01370.1	polygalacturonase inhibitor precursor, putative, expressed	Chr5	227008	228036 +	1	1061	-7.80
LOC_Os01g11660.1	GDSL-like lipase/acylhydrolase, putative, expressed	Chr1	6288365	6292303 +	5	1456	-7.80
LOC_Os02g13870.1	aquaporin protein, putative, expressed	Chr2	7515989	7519336 -	4	1836	-7.80
LOC_Os03g28300.1	protein kinase domain containing protein, expressed	Chr3	16282710	16290482 +	8	3506	-7.78
LOC_Os12g10220.1	expressed protein	Chr12	5399052	5401401 +	2	654	-7.78
LOC_Os01g55240.1	gibberellin 2-beta-dioxygenase, putative, expressed	Chr1	31795105	31797643 +	3	1847	-7.76
LOC_Os08g30020.5	membrane protein, putative, expressed	Chr8	18452698	18457151 +	9	1986	-7.75
LOC_Os07g48450.1	no apical meristem protein, putative, expressed	Chr7	28985797	28988032 +	3	1750	-7.73
LOC_Os07g48450.2	no apical meristem protein, putative, expressed	Chr7	28985797	28988032 +	2	1798	-7.73
LOC_Os07g13870.1	OsFBX229 - F-box domain containing protein, expressed	Chr7	7938934	7941316 -	3	1743	-7.71
LOC_Os03g41438.1	serpin domain containing protein, putative, expressed	Chr3	23054583	23068315 +	3	1680	-7.67
LOC_Os07g48450.3	no apical meristem protein, putative, expressed	Chr7	28985797	28988032 +	2	2220	-7.65
LOC_Os01g16370.1	NBS-LRR type disease resistance protein, putative, expressed	Chr1	9293171	9299788 +	6	3641	-7.62
LOC_Os01g16370.2	NBS-LRR type disease resistance protein, putative, expressed	Chr1	9293171	9299788 +	5	3441	-7.62
LOC_Os11g44630.1	calmodulin binding protein, putative, expressed	Chr11	26983106	26985704 -	5	1291	-7.54
LOC_Os12g38660.1	expressed protein	Chr12	23750274	23750582 -	1	341	-7.52
LOC_Os04g13220.1	ABC transporter family protein, putative, expressed	Chr4	7317232	7325788 -	11	5326	-7.45
LOC_Os09g10054.1	disease resistance protein RPS2, putative, expressed	Chr9	5471800	5491310 -	3	4052	-7.43

LOC_Os12g36640.2	universal stress protein domain containing protein, putative, expressed	Chr12	22429351	22431795 -	4	1061	-7.40
LOC_Os12g36640.1	universal stress protein domain containing protein, putative, expressed	Chr12	22429351	22431800 -	4	1075	-7.40
LOC_Os08g07380.1	retrotransposon protein, putative, unclassified, expressed	Chr8	4132495	4143561 -	12	5718	-7.40
LOC_Os01g25720.2	disease resistance protein RGA4, putative, expressed	Chr1	14576587	14581967 -	2	5352	-7.33
LOC_Os01g25720.1	disease resistance protein RGA4, putative, expressed	Chr1	14576587	14581967 -	1	5413	-7.33
LOC_Os06g41740.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr6	25020457	25021422 -	1	998	-7.28
LOC_Os11g45850.1	WRKY61, expressed	Chr11	27740142	27741375 +	3	1067	-7.28
LOC_Os06g39120.1	expressed protein	Chr6	23232523	23233878 +	2	1289	-7.26
LOC_Os12g38720.1	expressed protein	Chr12	23782739	23783531 -	1	825	-7.25
LOC_Os08g30020.2	membrane protein, putative, expressed	Chr8	18452699	18458174 +	13	2505	-7.25
LOC_Os08g30020.1	membrane protein, putative, expressed	Chr8	18452605	18458174 +	13	2551	-7.25
LOC_Os08g30020.3	membrane protein, putative, expressed	Chr8	18452698	18458174 +	13	2455	-7.25
LOC_Os01g36240.1	peroxidase precursor, putative, expressed	Chr1	20061961	20066530 +	4	1594	-7.22
LOC_Os10g11889.2	expressed protein	Chr10	6597053	6599560 -	2	509	-7.20
LOC_Os10g11889.1	expressed protein	Chr10	6597053	6599557 -	3	625	-7.20
LOC_Os11g34920.1	stripe rust resistance protein Yr10, putative, expressed	Chr11	20461110	20464673 +	4	3399	-7.20
LOC_Os03g63390.1	plastocyanin-like domain containing protein, putative, expressed	Chr3	35820760	35821532 +	1	805	-7.20
LOC_Os11g15624.3	expressed protein	Chr11	8864461	8867281 -	2	821	-7.18
LOC_Os04g25650.1	cysteine-rich receptor-like protein kinase, putative, expressed	Chr4	14863453	14864827 -	1	1407	-7.15
LOC_Os10g39980.1	expressed protein	Chr10	21417293	21419897 +	3	2217	-7.14
LOC_Os10g41040.2	ternary complex factor MIP1, putative, expressed	Chr10	22039379	22043925 -	10	3090	-7.14
LOC_Os11g39190.2	NB-ARC domain containing protein, putative, expressed	Chr11	23333663	23337423 +	5	3533	-7.14
LOC_Os11g39190.3	NB-ARC domain containing protein, putative, expressed	Chr11	23333672	23337423 +	4	3567	-7.14
LOC_Os11g39190.1	NB-ARC domain containing protein, putative, expressed	Chr11	23333672	23337437 +	4	3615	-7.14
LOC_Os11g39190.4	NB-ARC domain containing protein, putative, expressed	Chr11	23333663	23337423 +	3	3690	-7.14
LOC_Os05g37130.2	glycosyl hydrolases family 17, putative, expressed	Chr5	21699329	21702589 -	2	2851	-7.12
LOC_Os05g37130.5	glycosyl hydrolases family 17, putative, expressed	Chr5	21699306	21703565 -	3	2949	-7.12
LOC_Os03g21590.1	expressed protein	Chr3	12327635	12330577 -	6	1086	-7.12
LOC_Os03g22050.4	CAMK_KIN1/SNF1/Nim1_like.16 - CAMK includes calcium/calmodulin dependent protein kinases,	Chr3	12630705	12634427 -	2	2832	-7.10
LOC_Os03g22050.2	CAMK_KIN1/SNF1/Nim1_like.16 - CAMK includes calcium/calmodulin dependent protein kinases,	Chr3	12630705	12635182 -	2	3818	-7.10
LOC_Os03g22050.1	CAMK_KIN1/SNF1/Nim1_like.16 - CAMK includes calcium/calmodulin dependent protein kinases,	Chr3	12630705	12635182 -	2	3824	-7.10
LOC_Os03g22050.3	CAMK_KIN1/SNF1/Nim1_like.16 - CAMK includes calcium/calmodulin dependent protein kinases,	Chr3	12630705	12634427 -	1	3755	-7.08
LOC_Os10g02070.1	peroxidase precursor, putative, expressed	Chr10	677086	678882 -	4	1413	-7.07
LOC_Os05g04410.1	peroxidase precursor, putative, expressed	Chr5	2027782	2030203 +	2	1611	-7.01
LOC_Os11g11960.1	disease resistance protein RPM1, putative, expressed	Chr11	6638262	6640922 -	1	2693	-7.00
LOC_Os05g36310.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr5	21509382	21510614 -	1	1265	-6.99
LOC_Os05g37130.3	glycosyl hydrolases family 17, putative, expressed	Chr5	21699306	21703565 -	4	1850	-6.97
LOC_Os05g37130.4	glycosyl hydrolases family 17, putative, expressed	Chr5	21699329	21703565 -	4	2807	-6.97
LOC_Os05g27034.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr5	15717870	15721581 +	7	2843	-6.96
LOC_Os03g12660.1	cytochrome P450, putative, expressed	Chr3	6737549	6744506 +	8	2206	-6.94
LOC_Os05g37130.1	glycosyl hydrolases family 17, putative, expressed	Chr5	21699329	21703565 -	2	3368	-6.90
LOC_Os01g55510.1	dynein light chain type 1 domain containing protein, expressed	Chr1	31981931	31982832 +	2	782	-6.90
LOC_Os04g15690.1	DSBA-like thioredoxin domain containing protein, expressed	Chr4	8528512	8533183 +	4	1263	-6.89
LOC_Os06g38950.1	ABC transporter, ATP-binding protein, putative, expressed	Chr6	23105225	23113098 -	18	3865	-6.85
LOC_Os04g14150.1	dehydration response related protein, putative, expressed	Chr4	7913767	7915304 +	3	1435	-6.84

LOC_Os11g35040.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr11	20525547	20529233 -	7	1830	-6.83
LOC_Os11g14570.1	expressed protein	Chr11	8198057	8201966 -	5	2895	-6.82
LOC_Os11g14570.2	expressed protein	Chr11	8198057	8201961 -	5	2886	-6.82
LOC_Os08g30020.4	membrane protein, putative, expressed	Chr8	18454797	18458174 +	10	2459	-6.81
LOC_Os01g52130.1	sulfate transporter, putative, expressed	Chr1	29987911	29994141 +	12	3256	-6.80
LOC_Os09g17152.1	OsFBX319 - F-box domain containing protein, expressed	Chr9	10522922	10524537 -	1	1648	-6.80
LOC_Os11g35200.1	retrotransposon protein, putative, unclassified, expressed	Chr11	20637623	20642585 -	6	4302	-6.78
LOC_Os06g44010.1	WRKY28, expressed	Chr6	26509919	26511699 -	3	1689	-6.77
LOC_Os03g56430.1	expressed protein	Chr3	32164807	32168533 +	5	3390	-6.77
LOC_Os08g09060.1	Cupin domain containing protein, expressed	Chr8	5260152	5261299 +	2	1021	-6.76
LOC_Os03g13210.1	peroxidase precursor, putative, expressed	Chr3	7128181	7130342 -	4	1617	-6.73
LOC_Os06g09350.1	expressed protein	Chr6	4703899	4704882 -	3	804	-6.72
LOC_Os07g09490.1	ATPase, putative, expressed	Chr7	5009352	5011123 -	1	1804	-6.71
LOC_Os05g35100.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr5	20839850	20843090 -	4	2955	-6.70
LOC_Os05g05060.1	expressed protein	Chr5	2464317	2465040 -	1	756	-6.69
LOC_Os11g15624.1	expressed protein	Chr11	8864471	8867281 -	3	930	-6.68
LOC_Os11g15624.2	expressed protein	Chr11	8864471	8867044 -	3	1035	-6.68
LOC_Os02g35820.2	retrotransposon protein, putative, unclassified, expressed	Chr2	21518767	21523578 +	2	4582	-6.65
LOC_Os02g35820.1	retrotransposon protein, putative, unclassified, expressed	Chr2	21518767	21523578 +	1	4844	-6.65
LOC_Os11g37774.1	stripe rust resistance protein Yr10, putative, expressed	Chr11	22351283	22356398 +	5	3154	-6.65
LOC_Os10g38360.1	glutathione S-transferase, putative, expressed	Chr10	20498004	20499097 +	2	1052	-6.59
LOC_Os09g39770.1	C2 domain containing protein, putative, expressed	Chr9	22805610	22807049 -	1	1472	-6.59
LOC_Os09g39760.1	pectinesterase, putative, expressed	Chr9	22804668	22807049 +	1	2414	-6.59
LOC_Os01g73940.1	expressed protein	Chr1	42838969	42839550 +	1	614	-6.58
LOC_Os11g45050.1	NBS-LRR disease resistance protein, putative, expressed	Chr11	27261093	27264194 +	1	3134	-6.57
LOC_Os03g58790.1	ATPase, putative, expressed	Chr3	33482034	33484155 +	1	2154	-6.53
LOC_Os07g05620.2	CAMK_KIN1/SNF1/Nim1_like.28 - CAMK includes calcium/calmodulin dependent protein kinases,	Chr7	2643540	2647873 -	14	2436	-6.53
LOC_Os07g05620.1	CAMK_KIN1/SNF1/Nim1_like.28 - CAMK includes calcium/calmodulin dependent protein kinases,	Chr7	2643540	2647873 -	14	2439	-6.53
LOC_Os12g05260.1	phytosulfokines precursor, putative, expressed	Chr12	2338072	2339171 +	2	1049	-6.50
LOC_Os04g05650.1	expressed protein	Chr4	2890372	2891360 -	4	713	-6.50
LOC_Os10g04060.1	powdery mildew resistance protein PM3b, putative, expressed	Chr10	1871009	1875535 -	3	3921	-6.49
LOC_Os11g33120.3	respiratory burst oxidase, putative, expressed	Chr11	19588956	19594951 -	7	3084	-6.47
LOC_Os12g05870.1	Cupin domain containing protein, expressed	Chr12	2696407	2697214 -	2	754	-6.42
LOC_Os08g44360.1	male sterility protein 2, putative, expressed	Chr8	27916313	27922617 +	7	2252	-6.40
LOC_Os04g47780.1	transmembrane amino acid transporter protein, putative, expressed	Chr4	28341594	28343271 -	1	1710	-6.40
LOC_Os03g43440.1	CAMK_KIN1/SNF1/Nim1_like.17 - CAMK includes calcium/calmodulin dependent protein kinases,	Chr3	24226224	24227930 -	1	1739	-6.38
LOC_Os05g15770.1	glycosyl hydrolase, putative, expressed	Chr5	8902479	8903793 -	1	1347	-6.37
LOC_Os02g37250.1	hypothetical protein	Chr2	22509898	22510548 -	2	274	-6.37
LOC_Os01g72834.1	RNA recognition motif containing protein, putative, expressed	Chr1	42247696	42255403 +	6	2781	-6.36
LOC_Os08g33479.1	expressed protein	Chr8	20883923	20886243 +	2	1708	-6.35
LOC_Os05g06780.1	LTPL104 - Protease inhibitor/seed storage/LTP family protein precursor, expressed	Chr5	3539563	3540972 -	2	798	-6.32
LOC_Os07g23640.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr7	13354097	13355297 -	1	1233	-6.31
LOC_Os01g71114.1	disease resistance protein RGA4, putative, expressed	Chr1	41159307	41163822 -	4	2225	-6.30
LOC_Os02g20640.1	retrotransposon protein, putative, unclassified, expressed	Chr2	12161803	12163683 -	5	1390	-6.28
LOC_Os11g33120.1	respiratory burst oxidase, putative, expressed	Chr11	19588956	19596476 -	10	4002	-6.26

LOC_Os01g19260.1	ATPase, putative, expressed	Chr1	10891810	10893810 +	2	1991	-6.24
LOC_Os01g71820.1	glycosyl hydrolases family 17, putative, expressed	Chr1	41597270	41598692 -	2	1294	-6.24
LOC_Os02g31080.1	hydroxyproline-rich glycoprotein family protein, putative, expressed	Chr2	18575033	18581693 -	11	2992	-6.24
LOC_Os10g31320.1	retrotransposon protein, putative, unclassified, expressed	Chr10	16426002	16426931 -	1	962	-6.22
LOC_Os11g15040.2	S-adenosyl-L-methionine%3Abenzoic acid/salicylic acid carboxyl methyltransferase, putative, exp	Chr11	8466832	8469354 +	4	1497	-6.22
LOC_Os11g15040.1	S-adenosyl-L-methionine%3Abenzoic acid/salicylic acid carboxyl methyltransferase, putative, exp	Chr11	8466832	8469354 +	4	1502	-6.22
LOC_Os11g15040.3	S-adenosyl-L-methionine%3Abenzoic acid/salicylic acid carboxyl methyltransferase, putative, exp	Chr11	8466832	8469354 +	3	1577	-6.22
LOC_Os11g15040.4	S-adenosyl-L-methionine%3Abenzoic acid/salicylic acid carboxyl methyltransferase, putative, exp	Chr11	8466832	8469354 +	3	1582	-6.22
LOC_Os11g15040.5	S-adenosyl-L-methionine%3Abenzoic acid/salicylic acid carboxyl methyltransferase, putative, exp	Chr11	8466832	8469354 +	2	1864	-6.22
LOC_Os11g41870.1	transporter family protein, putative, expressed	Chr11	25175014	25176821 -	2	1781	-6.19
LOC_Os07g17250.1	disease resistance RPP13-like protein 1, putative, expressed	Chr7	10173157	10176827 +	1	3703	-6.18
LOC_Os04g39320.2	expressed protein	Chr4	23408376	23410250 -	3	1300	-6.18
LOC_Os07g40300.1	ZOS7-10 - C2H2 zinc finger protein, expressed	Chr7	24164226	24165041 +	1	848	-6.13
LOC_Os08g36510.1	retrotransposon protein, putative, unclassified, expressed	Chr8	23058865	23060076 +	3	1011	-6.13
LOC_Os02g09740.1	STRUBBELIG-RECEPTOR FAMILY 7 precursor, putative, expressed	Chr2	5019765	5028028 +	16	3416	-6.12
LOC_Os02g09740.2	STRUBBELIG-RECEPTOR FAMILY 7 precursor, putative, expressed	Chr2	5019765	5028028 +	16	3413	-6.12
LOC_Os04g44510.1	GEM, putative, expressed	Chr4	26347311	26348503 -	2	1139	-6.12
LOC_Os12g15470.2	OsSCP65 - Putative Serine Carboxypeptidase homologue, expressed	Chr12	8829523	8834630 -	14	2476	-6.09
LOC_Os12g15470.1	OsSCP65 - Putative Serine Carboxypeptidase homologue, expressed	Chr12	8829523	8834630 -	14	2509	-6.09
LOC_Os02g57720.1	aquaporin protein, putative, expressed	Chr2	35349673	35351454 +	2	1613	-6.08
LOC_Os06g21690.1	expressed protein	Chr6	12537158	12538578 +	1	1453	-6.04
LOC_Os04g31030.1	nitrate-induced NOI protein, expressed	Chr4	18547278	18550982 +	4	1986	-6.03
LOC_Os07g08750.1	STE_PAK_Ste20_Slob_Wnk.1 - STE kinases include homologs to sterile 7, sterile 11 and sterile 20	Chr7	4498924	4501918 -	5	2754	-6.03
LOC_Os12g31850.2	ureide permease, putative, expressed	Chr12	19161734	19165297 -	8	2557	-6.00
LOC_Os03g58580.1	nodulin, putative, expressed	Chr3	33360063	33362393 +	1	2363	-5.99
LOC_Os09g25740.1	expressed protein	Chr9	15438141	15440358 +	3	2117	-5.98
LOC_Os07g09480.1	ATPase, putative, expressed	Chr7	5003872	5005835 +	1	1996	-5.97
LOC_Os11g02305.1	expressed protein	Chr11	655459	660185 -	3	1965	-5.95
LOC_Os08g45030.1	multidrug resistance protein, putative, expressed	Chr8	28264266	28270129 +	3	4714	-5.93
LOC_Os07g23340.1	male sterility protein, putative, expressed	Chr7	13149738	13153339 -	8	2000	-5.92
LOC_Os02g33820.1	abscisic stress-ripening, putative, expressed	Chr2	20165589	20166668 -	2	926	-5.92
LOC_Os03g12110.1	homocysteine S-methyltransferase protein, putative, expressed	Chr3	6354859	6357807 +	7	1653	-5.91
LOC_Os03g12110.2	homocysteine S-methyltransferase protein, putative, expressed	Chr3	6354859	6357792 +	6	1779	-5.91
LOC_Os06g07030.1	AP2 domain containing protein, expressed	Chr6	3337083	3338612 +	1	1562	-5.91
LOC_Os11g44990.1	NB-ARC domain containing protein, expressed	Chr11	27242070	27245161 +	3	3027	-5.91
LOC_Os10g31320.2	retrotransposon protein, putative, unclassified, expressed	Chr10	16426002	16426928 -	2	655	-5.90
LOC_Os05g12280.1	clumping factor A precursor, putative, expressed	Chr5	7049881	7050866 -	1	1018	-5.89
LOC_Os10g02350.1	transmembrane 9 superfamily member, putative, expressed	Chr10	840040	843859 -	7	2457	-5.89
LOC_Os04g50940.2	peptide transporter PTR2, putative, expressed	Chr4	30156252	30159323 +	1	3104	-5.88
LOC_Os06g50410.1	DUF677 domain containing protein, putative, expressed	Chr6	30521808	30523034 -	1	1259	-5.88
LOC_Os08g33479.2	expressed protein	Chr8	20883923	20886243 +	3	877	-5.85
LOC_Os11g37700.1	pleiotropic drug resistance protein, putative, expressed	Chr11	22272820	22282438 -	20	5464	-5.85
LOC_Os12g01140.1	AGC_PVPK_like_kin82y.2 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr12	75281	89965 +	23	4101	-5.83
LOC_Os12g01140.2	AGC_PVPK_like_kin82y.2 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr12	75283	89965 +	22	4129	-5.83
LOC_Os12g01140.3	AGC_PVPK_like_kin82y.2 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr12	75283	89965 +	21	4204	-5.83

LOC_Os04g38860.1	expressed protein	Chr4	23097996	23100389 -	7	1884	-5.83
LOC_Os09g30414.1	aspartic proteinase nepenthesin-2 precursor, putative, expressed	Chr9	18521580	18524733 +	2	2502	-5.79
LOC_Os05g17604.3	SHR5-receptor-like kinase, putative, expressed	Chr5	10112481	10126224 -	23	5835	-5.77
LOC_Os03g27230.1	phospho-2-dehydro-3-deoxyheptonate aldolase, chloroplast precursor, putative, expressed	Chr3	15603830	15608753 +	5	2277	-5.77
LOC_Os06g50659.1	UPF0496 protein 2, putative, expressed	Chr6	30664226	30664912 +	1	719	-5.76
LOC_Os06g50809.1	UPF0496 protein 2, putative, expressed	Chr6	30748991	30749677 +	1	719	-5.76
LOC_Os03g16950.1	cysteine-rich repeat secretory protein 55 precursor, putative, expressed	Chr3	9421689	9422925 -	2	1207	-5.75
LOC_Os01g18080.1	retrotransposon protein, putative, unclassified, expressed	Chr1	10133857	10135806 +	1	1982	-5.73
LOC_Os11g02300.1	CPuORF36 - conserved peptide uORF-containing transcript, expressed	Chr11	654974	661236 -	3	3501	-5.72
LOC_Os07g09420.1	ATPase, putative, expressed	Chr7	4969373	4971156 +	1	1816	-5.71
LOC_Os05g17604.1	SHR5-receptor-like kinase, putative, expressed	Chr5	10112499	10126194 -	24	3958	-5.68
LOC_Os06g01760.1	ligA, putative, expressed	Chr6	438684	441553 -	2	2287	-5.67
LOC_Os12g16290.1	isoflavone reductase, putative, expressed	Chr12	9315228	9318123 -	1	2928	-5.67
LOC_Os01g74410.2	MYB family transcription factor, putative, expressed	Chr1	43096392	43097974 +	1	1615	-5.65
LOC_Os01g12410.1	receptor-like protein kinase, putative, expressed	Chr1	6781919	6784207 -	1	2321	-5.61
LOC_Os11g44960.1	NBS-LRR disease resistance protein, putative, expressed	Chr11	27221855	27226087 +	2	3334	-5.61
LOC_Os10g03400.2	phosphatidylinositol transfer, putative, expressed	Chr10	1447360	1451348 -	14	2449	-5.61
LOC_Os07g48870.1	MYB family transcription factor, putative, expressed	Chr7	29242088	29243628 +	2	1528	-5.61
LOC_Os08g02110.1	peroxidase precursor, putative, expressed	Chr8	697180	698615 +	1	1468	-5.60
LOC_Os02g13510.1	receptor-like protein kinase 5 precursor, putative, expressed	Chr2	7220338	7224509 -	2	4123	-5.59
LOC_Os05g29170.1	expressed protein	Chr5	17135217	17135905 +	1	721	-5.59
LOC_Os04g35010.1	helix-loop-helix DNA-binding domain containing protein, expressed	Chr4	21276704	21281674 +	3	3267	-5.58
LOC_Os08g44370.1	inosine-uridine preferring nucleoside hydrolase family protein, putative, expressed	Chr8	27922826	27926814 -	9	1967	-5.58
LOC_Os01g74410.1	MYB family transcription factor, putative, expressed	Chr1	43096401	43097974 +	2	1427	-5.56
LOC_Os07g23660.1	retrotransposon protein, putative, unclassified, expressed	Chr7	13366416	13367542 +	1	1159	-5.55
LOC_Os06g13220.1	expressed protein	Chr6	7260407	7264016 +	5	1273	-5.55
LOC_Os06g01760.2	ligA, putative, expressed	Chr6	438684	441170 -	2	2133	-5.55
LOC_Os03g56330.1	expressed protein	Chr3	32113257	32113860 +	2	572	-5.54
LOC_Os04g01490.2	zinc finger, C3HC4 type, domain containing protein, expressed	Chr4	333687	337087 +	8	2224	-5.53
LOC_Os02g53380.1	expressed protein	Chr2	32670668	32673918 -	5	3009	-5.52
LOC_Os04g01490.1	zinc finger, C3HC4 type, domain containing protein, expressed	Chr4	333972	337060 +	8	2248	-5.50
LOC_Os11g02300.2	CPuORF36 - conserved peptide uORF-containing transcript, expressed	Chr11	654974	661236 -	2	5362	-5.50
LOC_Os12g15314.1	staphylococcal nuclease homologue, putative, expressed	Chr12	8726013	8737949 -	11	2209	-5.46
LOC_Os05g01820.1	cytochrome b5-like Heme/Steroid binding domain containing protein, expressed	Chr5	492255	494332 +	3	1105	-5.45
LOC_Os11g01140.3	AGC_PVPK_like_kin82y.18 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr11	79187	94113 +	23	4268	-5.44
LOC_Os11g01140.1	AGC_PVPK_like_kin82y.18 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr11	79187	94113 +	23	4312	-5.44
LOC_Os11g01140.2	AGC_PVPK_like_kin82y.18 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr11	79187	94113 +	22	4341	-5.44
LOC_Os11g45180.1	NBS-LRR disease resistance protein, putative, expressed	Chr11	27342028	27345123 +	1	3128	-5.44
LOC_Os01g64120.1	2Fe-2S iron-sulfur cluster binding domain containing protein, expressed	Chr1	37241155	37242103 +	1	981	-5.44
LOC_Os07g29720.1	expressed protein	Chr7	17471134	17472072 -	2	523	-5.43
LOC_Os11g07950.1	expressed protein	Chr11	4122400	4123528 -	1	1161	-5.43
LOC_Os08g24200.1	expressed protein	Chr8	14607854	14608128 -	2	223	-5.42
LOC_Os05g37190.1	ZOS5-08 - C2H2 zinc finger protein, expressed	Chr5	21737275	21739746 +	2	1900	-5.42
LOC_Os06g11210.1	12-oxophytodienoate reductase, putative, expressed	Chr6	5884474	5886141 -	2	1592	-5.41
LOC_Os01g71810.1	glycosyl hydrolases family 17, putative, expressed	Chr1	41592216	41594985 -	2	1275	-5.38

LOC_Os07g03458.1	SCP-like extracellular protein, expressed	Chr7	1385404	1386096 +	1	725	-5.36
LOC_Os04g45130.1	heavy-metal-associated domain-containing protein, putative, expressed	Chr4	26684582	26685645 -	3	848	-5.35
LOC_Os07g46315.1	expressed protein	Chr7	27626769	27627785 +	2	388	-5.35
LOC_Os07g03368.1	SCP-like extracellular protein, expressed	Chr7	1352321	1352930 +	1	642	-5.34
LOC_Os07g03279.1	SCP-like extracellular protein, expressed	Chr7	1319031	1319803 +	1	805	-5.34
LOC_Os11g37860.1	stripe rust resistance protein Yr10, putative, expressed	Chr11	22427759	22435407 +	6	3773	-5.32
LOC_Os07g37900.1	retrotransposon protein, putative, unclassified, expressed	Chr7	22738107	22746356 +	11	6508	-5.31
LOC_Os03g47740.1	homeodomain protein, putative, expressed	Chr3	27057031	27063684 -	7	3118	-5.30
LOC_Os03g01365.1	protein phosphatase-2c, putative, expressed	Chr3	277183	278705 -	3	712	-5.29
LOC_Os12g02100.2	expressed protein	Chr12	632636	638030 +	13	2210	-5.28
LOC_Os12g02100.1	expressed protein	Chr12	632401	638030 +	13	2436	-5.28
LOC_Os07g03467.1	SCP-like extracellular protein, expressed	Chr7	1388413	1389436 -	1	1056	-5.28
LOC_Os03g47740.2	homeodomain protein, putative, expressed	Chr3	27057559	27063684 -	6	3181	-5.26
LOC_Os03g03700.2	MLO domain containing protein, putative, expressed	Chr3	1644670	1648764 -	13	3063	-5.23
LOC_Os03g03700.1	MLO domain containing protein, putative, expressed	Chr3	1644670	1648764 -	13	2914	-5.23
LOC_Os01g38980.2	calmodulin-binding protein, putative, expressed	Chr1	21900045	21903309 -	7	2618	-5.21
LOC_Os01g38980.1	calmodulin-binding protein, putative, expressed	Chr1	21900050	21903309 -	7	2608	-5.21
LOC_Os04g56100.1	one cut domain family member 3, putative, expressed	Chr4	33415314	33416123 -	1	842	-5.21
LOC_Os03g14460.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr3	7859490	7860115 +	1	658	-5.21
LOC_Os08g31150.1	retrotransposon protein, putative, unclassified, expressed	Chr8	19249643	19257180 -	7	6200	-5.18
LOC_Os04g41410.1	expressed protein	Chr4	24550546	24553400 -	4	2023	-5.16
LOC_Os08g35190.1	auxin-repressed protein, putative, expressed	Chr8	22190136	22191839 +	3	1242	-5.16
LOC_Os10g36703.1	CPuORF40 - conserved peptide uORF-containing transcript, expressed	Chr10	19631246	19632264 -	1	1051	-5.16
LOC_Os01g03390.1	BBT17 - Bowman-Birk type bran trypsin inhibitor precursor, expressed	Chr1	1365508	1366503 -	1	1028	-5.15
LOC_Os03g19420.2	nicotianamine synthase, putative, expressed	Chr3	10926469	10927950 +	1	1514	-5.15
LOC_Os11g11890.1	protein kinase domain containing protein, expressed	Chr11	6596374	6603010 +	12	2562	-5.15
LOC_Os08g35190.3	auxin-repressed protein, putative, expressed	Chr8	22190140	22191734 +	3	921	-5.14
LOC_Os01g03340.1	BBT14 - Bowman-Birk type bran trypsin inhibitor precursor, expressed	Chr1	1347567	1348786 -	1	1252	-5.14
LOC_Os03g47740.3	homeodomain protein, putative, expressed	Chr3	27057559	27062890 -	6	2844	-5.14
LOC_Os01g71350.1	glycosyl hydrolases family 17, putative, expressed	Chr1	41349731	41351148 +	2	1338	-5.13
LOC_Os12g10330.1	NB-ARC domain containing protein, expressed	Chr12	5469044	5471369 -	1	2358	-5.13
LOC_Os04g58280.2	stem-specific protein TSJT1, putative, expressed	Chr4	34694304	34697202 -	4	2537	-5.12
LOC_Os03g03880.1	protein kinase, putative, expressed	Chr3	1765300	1770693 +	5	2895	-5.12
LOC_Os12g44190.1	ATPase 3, putative, expressed	Chr12	27412212	27414380 -	2	2137	-5.10
LOC_Os01g04350.1	hsp20/alpha crystallin family protein, putative, expressed	Chr1	1941003	1941953 +	1	983	-5.08
LOC_Os10g37500.1	AAA-type ATPase family protein, putative, expressed	Chr10	20081776	20083719 -	1	1976	-5.08
LOC_Os08g32180.1	retrotransposon protein, putative, unclassified, expressed	Chr8	19958778	19960391 +	1	1646	-5.08
LOC_Os08g39370.1	citrate transporter, putative, expressed	Chr8	24882925	24886350 +	5	2692	-5.07
LOC_Os08g35190.2	auxin-repressed protein, putative, expressed	Chr8	22190136	22191734 +	2	1566	-5.07
LOC_Os09g38390.1	octicosapeptide/Phox/Bem1p, putative, expressed	Chr9	22098463	22101177 +	2	2513	-5.04
LOC_Os05g41290.1	disease resistance RPP13-like protein 1, putative, expressed	Chr5	24184447	24189203 +	2	3845	-4.99
LOC_Os03g56250.1	LRR receptor-like protein kinase, putative, expressed	Chr3	32043843	32048414 -	4	2937	-4.97
LOC_Os01g02290.1	Ser/Thr receptor-like kinase, putative, expressed	Chr1	720629	723317 -	3	2197	-4.97
LOC_Os01g14550.1	pathogen-related protein, putative, expressed	Chr1	8159849	8161554 +	4	1170	-4.96
LOC_Os04g58280.1	stem-specific protein TSJT1, putative, expressed	Chr4	34694304	34697202 -	3	2716	-4.96

LOC_Os03g55800.1	cytochrome P450, putative, expressed	Chr3	31764987	31766985 -	1	2031	-4.96
LOC_Os03g52160.1	regulatory protein, putative, expressed	Chr3	29948932	29951110 +	3	1838	-4.95
LOC_Os06g17900.1	disease resistance protein RPM1, putative, expressed	Chr6	10387509	10390465 +	2	2926	-4.95
LOC_Os01g02290.2	Ser/Thr receptor-like kinase, putative, expressed	Chr1	720632	723317 -	4	2113	-4.94
LOC_Os03g29830.1	expressed protein	Chr3	16999140	17002312 +	3	1191	-4.93
LOC_Os05g38264.1	expressed protein	Chr5	22436430	22437469 -	1	1072	-4.93
LOC_Os04g59150.1	peroxidase precursor, putative, expressed	Chr4	35187373	35189338 -	3	1813	-4.91
LOC_Os09g34250.1	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed	Chr9	20222174	20224114 +	2	1915	-4.91
LOC_Os06g11310.1	plastocyanin-like domain containing protein, putative, expressed	Chr6	5930399	5931984 -	2	984	-4.91
LOC_Os04g59150.2	peroxidase precursor, putative, expressed	Chr4	35187417	35189187 -	4	1481	-4.90
LOC_Os12g01910.1	pentatricopeptide, putative, expressed	Chr12	531180	535127 +	4	2792	-4.90
LOC_Os02g03840.2	expressed protein	Chr2	1617326	1630169 +	8	9720	-4.89
LOC_Os09g39960.1	dynamamin family protein, putative, expressed	Chr9	22911510	22916787 -	15	2832	-4.86
LOC_Os04g57160.1	flavonol synthase/flavanone 3-hydroxylase, putative, expressed	Chr4	34060040	34063474 +	4	1506	-4.82
LOC_Os04g25730.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr4	14911887	14915108 -	4	2979	-4.82
LOC_Os02g05365.1	expressed protein	Chr2	2577378	2578660 +	3	450	-4.81
LOC_Os07g26520.1	expressed protein	Chr7	15281842	15282673 -	3	375	-4.81
LOC_Os12g36110.1	calmodulin binding protein, putative, expressed	Chr12	22132798	22136895 -	11	3214	-4.80
LOC_Os04g35140.1	OsSub41 - Putative Subtilisin homologue, expressed	Chr4	21358864	21362109 +	1	3278	-4.79
LOC_Os10g22460.1	expressed protein	Chr10	11629655	11634489 -	9	2258	-4.78
LOC_Os12g10740.1	leucine-rich repeat family protein, putative, expressed	Chr12	5765954	5773383 +	19	4044	-4.78
LOC_Os01g29804.3	expressed protein	Chr1	16699521	16700745 +	2	1137	-4.77
LOC_Os06g45890.1	MYB family transcription factor, putative, expressed	Chr6	27777556	27780778 +	5	1674	-4.77
LOC_Os02g54820.1	trehalose-6-phosphate synthase, putative, expressed	Chr2	33569263	33574120 +	4	3792	-4.76
LOC_Os02g56280.1	zinc finger family protein, putative, expressed	Chr2	34439761	34444762 -	2	3395	-4.75
LOC_Os03g52170.1	4-hydroxy-3-methylbut-2-enyl diphosphate reductase, putative, expressed	Chr3	29950011	29953906 -	10	2844	-4.74
LOC_Os09g32290.1	FAD dependent oxidoreductase domain containing protein, expressed	Chr9	19272307	19273270 -	1	996	-4.73
LOC_Os09g32290.2	FAD dependent oxidoreductase domain containing protein, expressed	Chr9	19272307	19275775 -	2	1615	-4.73
LOC_Os10g39420.1	CAMK_CAMK_like.8 - CAMK includes calcium/calmodulin dependent protein kinases, expressed	Chr10	21027454	21032225 +	8	2350	-4.71
LOC_Os05g43170.1	calreticulin precursor protein, putative, expressed	Chr5	25054711	25059191 +	14	2336	-4.71
LOC_Os04g52640.1	SHR5-receptor-like kinase, putative, expressed	Chr4	31317589	31328040 -	24	5212	-4.71
LOC_Os04g52640.3	SHR5-receptor-like kinase, putative, expressed	Chr4	31317589	31328040 -	24	5186	-4.71
LOC_Os06g41450.1	VQ domain containing protein, putative, expressed	Chr6	24843679	24844760 -	1	1114	-4.68
LOC_Os07g43770.3	expressed protein	Chr7	26189243	26190004 -	2	740	-4.67
LOC_Os01g72370.3	helix-loop-helix DNA-binding domain containing protein, expressed	Chr1	41971444	41978408 -	4	2821	-4.66
LOC_Os02g10190.1	DUF1680 domain containing protein, putative, expressed	Chr2	5339008	5344518 +	12	3772	-4.65
LOC_Os01g72370.1	helix-loop-helix DNA-binding domain containing protein, expressed	Chr1	41971514	41978408 -	4	4224	-4.65
LOC_Os09g20930.1	expressed protein	Chr9	12600633	12602389 +	1	1789	-4.65
LOC_Os11g10710.1	protein kinase domain containing protein, expressed	Chr11	5873795	5880713 -	13	2375	-4.64
LOC_Os04g08749.1	expressed protein	Chr4	4749120	4752352 +	5	1812	-4.63
LOC_Os11g12240.1	retrotransposon protein, putative, unclassified, expressed	Chr11	6827132	6840671 +	3	2543	-4.59
LOC_Os07g43770.2	expressed protein	Chr7	26188128	26190004 -	3	1216	-4.56
LOC_Os03g14950.1	PLA IIIA/PLP7, putative, expressed	Chr3	8152544	8154731 +	2	2167	-4.55
LOC_Os02g54820.3	trehalose-6-phosphate synthase, putative, expressed	Chr2	33569263	33573174 +	2	3618	-4.54
LOC_Os12g08130.1	amino acid transporter, putative, expressed	Chr12	4144535	4146619 -	3	1978	-4.54

LOC_Os03g15170.1	retrotransposon protein, putative, unclassified, expressed	Chr3	8290926	8292045 +	2	1117	-4.53
LOC_Os12g42840.1	expressed protein	Chr12	26618240	26621780 +	8	2132	-4.52
LOC_Os06g43190.2	retrotransposon protein, putative, unclassified, expressed	Chr6	25963873	25967328 -	5	1693	-4.51
LOC_Os01g24710.1	jacalin-like lectin domain containing protein, expressed	Chr1	13903153	13904729 -	3	1015	-4.50
LOC_Os02g32009.1	expressed protein	Chr2	18908678	18909567 +	1	922	-4.50
LOC_Os01g24710.4	jacalin-like lectin domain containing protein, expressed	Chr1	13903153	13904715 -	3	977	-4.50
LOC_Os01g24710.3	jacalin-like lectin domain containing protein, expressed	Chr1	13903153	13904474 -	3	1192	-4.49
LOC_Os01g24710.2	jacalin-like lectin domain containing protein, expressed	Chr1	13903153	13904490 -	2	1305	-4.49
LOC_Os07g49330.1	phospholipase C, putative, expressed	Chr7	29545825	29548981 -	7	2604	-4.49
LOC_Os07g42500.1	FYVE zinc finger domain containing protein, expressed	Chr7	25435731	25439801 +	5	2178	-4.48
LOC_Os06g43190.1	retrotransposon protein, putative, unclassified, expressed	Chr6	25963875	25967411 -	7	1699	-4.48
LOC_Os06g43190.3	retrotransposon protein, putative, unclassified, expressed	Chr6	25963875	25967409 -	6	1732	-4.48
LOC_Os04g52640.2	SHR5-receptor-like kinase, putative, expressed	Chr4	31317589	31328040 -	23	5635	-4.48
LOC_Os09g26620.3	auxin-repressed protein, putative, expressed	Chr9	16153180	16155170 +	2	1705	-4.48
LOC_Os09g26620.5	auxin-repressed protein, putative, expressed	Chr9	16153176	16155170 +	3	1530	-4.48
LOC_Os09g26620.1	auxin-repressed protein, putative, expressed	Chr9	16153179	16155170 +	4	1444	-4.48
LOC_Os09g26620.2	auxin-repressed protein, putative, expressed	Chr9	16153177	16155170 +	4	1432	-4.48
LOC_Os09g26620.4	auxin-repressed protein, putative, expressed	Chr9	16153180	16155170 +	4	1225	-4.48
LOC_Os01g66110.1	methyltransferase, putative, expressed	Chr1	38386267	38391780 -	9	3400	-4.47
LOC_Os02g54820.2	trehalose-6-phosphate synthase, putative, expressed	Chr2	33569263	33573174 +	3	3250	-4.47
LOC_Os01g66110.2	methyltransferase, putative, expressed	Chr1	38386267	38391315 -	8	3406	-4.47
LOC_Os04g06734.1	expressed protein	Chr4	3539703	3547962 +	8	1357	-4.46
LOC_Os09g30400.3	WRKY90, expressed	Chr9	18496949	18500579 -	6	2418	-4.44
LOC_Os04g52570.1	expressed protein	Chr4	31254841	31257934 -	10	1924	-4.43
LOC_Os12g36690.1	mia1, putative, expressed	Chr12	22477070	22481287 -	3	3354	-4.41
LOC_Os08g43180.1	expressed protein	Chr8	27306256	27309652 -	1	3429	-4.39
LOC_Os11g39510.1	retrotransposon protein, putative, unclassified, expressed	Chr11	23522471	23530564 +	8	5929	-4.38
LOC_Os06g22900.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr6	13371228	13375234 -	4	1586	-4.37
LOC_Os05g36290.1	actin, putative, expressed	Chr5	21500570	21504248 -	5	2043	-4.37
LOC_Os02g43912.1	ceramide kinase-related, putative, expressed	Chr2	26507822	26509994 -	7	1115	-4.37
LOC_Os05g02420.1	expressed protein	Chr5	801087	803464 +	1	2410	-4.37
LOC_Os05g36360.1	U-box domain containing protein, expressed	Chr5	21525165	21526787 +	1	1655	-4.37
LOC_Os07g02970.1	expressed protein	Chr7	1106836	1108834 +	1	2031	-4.35
LOC_Os09g31210.1	AGC_PVPK_like_CDK8.1 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr9	18769773	18771506 +	1	1766	-4.35
LOC_Os06g48530.1	ZOS6-09 - C2H2 zinc finger protein, expressed	Chr6	29357512	29364555 -	12	3002	-4.35
LOC_Os07g01720.1	expressed protein	Chr7	428798	431747 +	3	2724	-4.34
LOC_Os09g04160.1	expressed protein	Chr9	2181578	2187534 -	6	2322	-4.33
LOC_Os08g32970.1	annexin, putative, expressed	Chr8	20459698	20461621 +	3	1370	-4.32
LOC_Os01g65790.1	pectinesterase, putative, expressed	Chr1	38206872	38211799 -	2	2087	-4.31
LOC_Os09g25250.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr9	15119921	15123015 -	2	3019	-4.30
LOC_Os05g02420.2	expressed protein	Chr5	801087	803464 +	2	1664	-4.30
LOC_Os06g43660.3	inorganic H%2B pyrophosphatase, putative, expressed	Chr6	26272897	26278666 +	7	2986	-4.28
LOC_Os09g04160.2	expressed protein	Chr9	2181578	2186451 -	5	2841	-4.28
LOC_Os09g22510.1	expressed protein	Chr9	13580163	13581415 +	1	1285	-4.27
LOC_Os05g04700.1	OsRC12-6 - Hydrophobic protein LTI6B, expressed	Chr5	2219901	2220462 -	3	375	-4.27

LOC_Os06g43660.1	inorganic H ² B pyrophosphatase, putative, expressed	Chr6	26272897	26278666 +	8	3455	-4.26
LOC_Os06g43660.2	inorganic H ² B pyrophosphatase, putative, expressed	Chr6	26272900	26278666 +	9	3355	-4.26
LOC_Os08g29570.1	pleiotropic drug resistance protein 3, putative, expressed	Chr8	18128534	18133057 -	14	3149	-4.26
LOC_Os12g42850.1	amino acid permease, putative, expressed	Chr12	26621059	26626129 -	14	3151	-4.26
LOC_Os12g42850.2	amino acid permease, putative, expressed	Chr12	26621059	26626129 -	13	3217	-4.25
LOC_Os10g35200.1	katanin p80 WD40 repeat-containing subunit B1 homolog 1, putative, expressed	Chr10	18798725	18806059 -	18	3689	-4.25
LOC_Os12g42850.3	amino acid permease, putative, expressed	Chr12	26621059	26626129 -	13	3211	-4.25
LOC_Os09g23590.1	expressed protein	Chr9	14020264	14020560 +	1	329	-4.23
LOC_Os09g31360.1	expressed protein	Chr9	18849755	18853448 +	4	2395	-4.21
LOC_Os06g36560.1	inositol oxygenase, putative, expressed	Chr6	21478408	21482740 +	11	2068	-4.19
LOC_Os05g39520.1	methyltransferase, putative, expressed	Chr5	23190629	23195162 -	8	2894	-4.19
LOC_Os06g36560.2	inositol oxygenase, putative, expressed	Chr6	21478408	21482740 +	10	2117	-4.19
LOC_Os11g08370.1	transporter, major facilitator family, putative, expressed	Chr11	4413240	4415870 +	2	2160	-4.19
LOC_Os12g36100.1	kinesin-4, putative, expressed	Chr12	22126680	22133896 +	18	4597	-4.17
LOC_Os12g36100.2	kinesin-4, putative, expressed	Chr12	22126680	22133896 +	18	4576	-4.17
LOC_Os01g07390.1	zinc finger, C3HC4 type family protein, expressed	Chr1	3501094	3504833 +	8	2242	-4.16
LOC_Os07g04690.1	UDP-arabinose 4-epimerase 1, putative, expressed	Chr7	2080000	2083532 +	11	2385	-4.14
LOC_Os07g04690.2	UDP-arabinose 4-epimerase 1, putative, expressed	Chr7	2080296	2083532 +	11	2169	-4.14
LOC_Os02g47570.2	phosphatase, putative, expressed	Chr2	29069440	29071177 +	2	1004	-4.13
LOC_Os02g57420.1	protein kinase APK1A, chloroplast precursor, putative, expressed	Chr2	35190393	35194311 -	5	2170	-4.12
LOC_Os02g29530.1	glycosyl transferase 8 domain containing protein, putative, expressed	Chr2	17559217	17562804 -	3	2145	-4.10
LOC_Os03g64170.2	GDSL-like lipase/acylhydrolase, putative, expressed	Chr3	36256015	36257319 -	1	1337	-4.09
LOC_Os01g42410.1	pleiotropic drug resistance protein, putative, expressed	Chr1	24107080	24115143 -	21	5288	-4.08
LOC_Os03g02380.2	major facilitator superfamily domain-containing protein 5, putative, expressed	Chr3	842386	846445 +	6	2522	-4.07
LOC_Os03g02380.1	major facilitator superfamily domain-containing protein 5, putative, expressed	Chr3	842386	846445 +	8	2402	-4.07
LOC_Os02g51860.1	dehydration response related protein, putative, expressed	Chr2	31763015	31768782 -	8	3309	-4.07
LOC_Os05g28420.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr5	16640582	16643617 +	5	2700	-4.06
LOC_Os04g52504.1	adhesive/proline-rich protein, putative, expressed	Chr4	31219819	31221018 -	3	900	-4.05
LOC_Os09g21210.1	beta-glucan-binding protein 4, putative, expressed	Chr9	12802546	12805261 -	1	2748	-4.05
LOC_Os03g10620.2	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr3	5422148	5423891 +	2	1717	-4.04
LOC_Os03g51650.1	membrane protein, putative, expressed	Chr3	29560540	29566023 -	12	2591	-4.00
LOC_Os08g37670.1	plastocyanin-like domain containing protein, putative, expressed	Chr8	23858677	23860124 -	2	1023	-4.00
LOC_Os02g09770.3	abhydrolase domain-containing protein FAM108C1, putative, expressed	Chr2	5038461	5043329 -	7	1863	-3.99
LOC_Os01g71100.1	expressed protein	Chr1	41149955	41154678 -	4	3703	-3.99
LOC_Os02g13370.1	expressed protein	Chr2	7131235	7133480 -	2	1768	-3.99
LOC_Os09g27700.1	microtubule associated protein, putative, expressed	Chr9	16855316	16861064 -	12	3101	-3.98
LOC_Os02g09770.4	abhydrolase domain-containing protein FAM108C1, putative, expressed	Chr2	5038459	5043329 -	7	2018	-3.97
LOC_Os09g27700.2	microtubule associated protein, putative, expressed	Chr9	16855328	16861064 -	11	3207	-3.96
LOC_Os03g01150.1	palmitoyl-protein thioesterase 1 precursor, putative, expressed	Chr3	106514	110545 +	12	1675	-3.95
LOC_Os03g01150.2	palmitoyl-protein thioesterase 1 precursor, putative, expressed	Chr3	106528	110545 +	12	1637	-3.95
LOC_Os01g08340.1	zinc finger family protein, putative, expressed	Chr1	4091068	4094859 +	6	2348	-3.93
LOC_Os12g17090.1	stripe rust resistance protein Yr10, putative, expressed	Chr12	9781957	9786758 -	4	4186	-3.92
LOC_Os12g17090.2	stripe rust resistance protein Yr10, putative, expressed	Chr12	9781957	9786750 -	3	4264	-3.92
LOC_Os03g42464.1	expressed protein	Chr3	23623464	23630649 -	6	4565	-3.91
LOC_Os03g37010.2	glycosyltransferase, putative, expressed	Chr3	20515439	20518534 -	6	2306	-3.89

LOC_Os03g37010.3	glycosyltransferase, putative, expressed	Chr3	20515439	20518534 -	5	2439	-3.89
LOC_Os02g04180.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr2	1826715	1829346 -	3	1383	-3.88
LOC_Os05g25640.1	cytochrome P450, putative, expressed	Chr5	14899987	14904546 -	3	1935	-3.88
LOC_Os03g37010.1	glycosyltransferase, putative, expressed	Chr3	20515439	20519238 -	6	3016	-3.88
LOC_Os10g25760.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr10	13345429	13348529 -	3	3078	-3.87
LOC_Os06g51290.4	phytoene synthase, chloroplast precursor, putative, expressed	Chr6	31051971	31055926 -	6	2222	-3.87
LOC_Os02g38780.2	protein phosphatase 2C containing protein, expressed	Chr2	23432540	23442713 +	18	3954	-3.86
LOC_Os01g40094.1	protein phosphatase 2C, putative, expressed	Chr1	22617780	22624147 +	4	2162	-3.86
LOC_Os11g37520.1	BTBT3 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with tetratricopeptide repeats, expressed	Chr11	22150225	22155604 +	5	3872	-3.85
LOC_Os11g05480.1	transcription factor, putative, expressed	Chr11	2462254	2468733 -	13	2650	-3.84
LOC_Os03g64170.1	GDSL-like lipase/acylhydrolase, putative, expressed	Chr3	36256015	36259499 -	2	1761	-3.83
LOC_Os02g09770.1	abhydrolase domain-containing protein FAM108C1, putative, expressed	Chr2	5038904	5043329 -	6	1805	-3.82
LOC_Os01g48370.1	OsFBT1 - F-box and tubby domain containing protein, expressed	Chr1	27716188	27721217 -	4	1651	-3.82
LOC_Os03g08070.3	copper-transporting ATPase PAA1, putative, expressed	Chr3	4119945	4127084 -	17	3833	-3.81
LOC_Os03g08070.1	copper-transporting ATPase PAA1, putative, expressed	Chr3	4119945	4126933 -	16	3592	-3.81
LOC_Os03g08070.2	copper-transporting ATPase PAA1, putative, expressed	Chr3	4119945	4126933 -	15	3644	-3.80
LOC_Os03g14800.5	serine palmitoyltransferase 1, putative, expressed	Chr3	8048239	8052567 -	11	1895	-3.80
LOC_Os03g14800.6	serine palmitoyltransferase 1, putative, expressed	Chr3	8048239	8052567 -	11	1939	-3.80
LOC_Os01g69920.2	histidine kinase, putative, expressed	Chr1	40403715	40409615 -	10	4473	-3.80
LOC_Os01g69920.3	histidine kinase, putative, expressed	Chr1	40403715	40409615 -	10	4504	-3.80
LOC_Os01g69920.1	histidine kinase, putative, expressed	Chr1	40403715	40409615 -	11	4434	-3.80
LOC_Os02g09770.2	abhydrolase domain-containing protein FAM108C1, putative, expressed	Chr2	5038904	5043329 -	6	1761	-3.78
LOC_Os03g08390.1	expressed protein	Chr3	4287335	4291864 +	5	2422	-3.78
LOC_Os07g48420.1	expressed protein	Chr7	28956984	28960828 -	6	1827	-3.77
LOC_Os04g32940.1	Leucine Rich Repeat family protein, expressed	Chr4	19899895	19903657 -	1	3795	-3.76
LOC_Os08g10580.1	expressed protein	Chr8	6226272	6231302 +	7	2205	-3.76
LOC_Os07g48420.3	expressed protein	Chr7	28956984	28960828 -	5	1940	-3.75
LOC_Os11g47809.1	metallothionein, putative, expressed	Chr11	28827676	28828513 +	2	761	-3.74
LOC_Os10g30080.1	xylosyltransferase, putative, expressed	Chr10	15621355	15624800 +	4	1984	-3.73
LOC_Os01g31629.3	expressed protein	Chr1	17309304	17325760 -	7	1318	-3.72
LOC_Os01g31629.2	expressed protein	Chr1	17309304	17325760 -	7	1313	-3.72
LOC_Os10g30080.2	xylosyltransferase, putative, expressed	Chr10	15621355	15624800 +	4	1992	-3.72
LOC_Os05g11080.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr5	6221937	6230511 -	10	4630	-3.72
LOC_Os02g30210.1	OsFBK7 - F-box domain and kelch repeat containing protein, expressed	Chr2	17958496	17961723 -	4	2278	-3.72
LOC_Os02g30210.2	OsFBK7 - F-box domain and kelch repeat containing protein, expressed	Chr2	17958496	17960970 -	4	2174	-3.70
LOC_Os03g14990.1	chorismate synthase 2, chloroplast precursor, putative, expressed	Chr3	8177749	8181743 -	13	2048	-3.70
LOC_Os02g15700.1	expressed protein	Chr2	8842927	8844249 -	1	1355	-3.69
LOC_Os01g31629.1	expressed protein	Chr1	17309298	17325760 -	6	1378	-3.68
LOC_Os06g13210.2	peptide transporter PTR2, putative, expressed	Chr6	7247729	7251058 +	3	2148	-3.68
LOC_Os10g14920.2	integral membrane protein DUF6 containing protein, expressed	Chr10	7810631	7817138 -	8	1998	-3.68
LOC_Os01g67960.1	GPI transamidase component PIG-S-related, putative, expressed	Chr1	39486932	39492099 +	13	2774	-3.66
LOC_Os10g14920.7	integral membrane protein DUF6 containing protein, expressed	Chr10	7813323	7817135 -	6	2286	-3.65
LOC_Os10g14920.3	integral membrane protein DUF6 containing protein, expressed	Chr10	7813323	7817132 -	5	2331	-3.65
LOC_Os01g23640.1	mov34/MPN/PAD-1 family protein, expressed	Chr1	13296332	13305295 +	14	2458	-3.63
LOC_Os09g24900.1	methyltransferase, putative, expressed	Chr9	14867362	14870927 +	7	2702	-3.63

LOC_Os10g39540.1	protein phosphatase 2C, putative, expressed	Chr10	21126202	21129813	+	4	1118	-3.62
LOC_Os05g02500.3	dual specificity protein phosphatase, putative, expressed	Chr5	858294	862243	-	3	2611	-3.60
LOC_Os10g14920.1	integral membrane protein DUF6 containing protein, expressed	Chr10	7810631	7817138	-	8	3205	-3.60
LOC_Os10g14920.5	integral membrane protein DUF6 containing protein, expressed	Chr10	7810690	7817132	-	7	3188	-3.60
LOC_Os12g38760.1	nucleotide pyrophosphatase/phosphodiesterase, putative, expressed	Chr12	23810525	23814363	-	13	2527	-3.60
LOC_Os12g38760.2	nucleotide pyrophosphatase/phosphodiesterase, putative, expressed	Chr12	23810525	23814363	-	12	2608	-3.60
LOC_Os05g02500.1	dual specificity protein phosphatase, putative, expressed	Chr5	858294	862759	-	3	3125	-3.60
LOC_Os05g02500.2	dual specificity protein phosphatase, putative, expressed	Chr5	858294	862243	-	3	2607	-3.57
LOC_Os09g24900.2	methyltransferase, putative, expressed	Chr9	14867406	14870927	+	7	2826	-3.56
LOC_Os04g51950.1	serine/threonine-protein kinase HT1, putative, expressed	Chr4	30825556	30829581	-	3	2162	-3.55
LOC_Os10g39540.3	protein phosphatase 2C, putative, expressed	Chr10	21126328	21129813	+	4	1902	-3.54
LOC_Os03g55180.1	DUF1336 domain containing protein, expressed	Chr3	31399258	31402343	-	10	2459	-3.54
LOC_Os07g48420.2	expressed protein	Chr7	28956982	28960828	-	5	3105	-3.54
LOC_Os04g45070.1	remorin, putative, expressed	Chr4	26664682	26668433	-	5	1444	-3.53
LOC_Os01g70190.1	exostosin family domain containing protein, expressed	Chr1	40626011	40629506	-	4	2328	-3.52
LOC_Os09g39200.1	expressed protein	Chr9	22513506	22517201	-	5	2340	-3.52
LOC_Os08g34640.1	receptor-like protein kinase precursor, putative, expressed	Chr8	21756526	21762152	-	3	3904	-3.52
LOC_Os03g21720.1	vacuolar-sorting receptor precursor, putative, expressed	Chr3	12401938	12408473	+	12	2959	-3.51
LOC_Os04g57560.1	amine oxidase, flavin-containing, domain containing protein, expressed	Chr4	34244247	34248323	-	10	2458	-3.51
LOC_Os03g44944.1	CCR4-NOT transcription factor, putative, expressed	Chr3	25376064	25376720	-	3	552	-3.51
LOC_Os06g29804.2	expressed protein	Chr6	17156034	17159871	+	3	1048	-3.50
LOC_Os05g33360.1	transmembrane BAX inhibitor motif-containing protein, putative, expressed	Chr5	19588390	19590780	-	4	1327	-3.50
LOC_Os07g48130.3	potassium transporter, putative, expressed	Chr7	28741520	28747059	-	10	3241	-3.50
LOC_Os07g48130.2	potassium transporter, putative, expressed	Chr7	28741520	28745682	-	9	3210	-3.50
LOC_Os04g31340.1	CBS domain containing membrane protein, putative, expressed	Chr4	18746901	18752060	-	6	1920	-3.49
LOC_Os02g06920.1	zinc finger, C3HC4 type, domain containing protein, expressed	Chr2	3495208	3500149	-	9	2336	-3.49
LOC_Os02g06920.2	zinc finger, C3HC4 type, domain containing protein, expressed	Chr2	3495208	3500149	-	9	2352	-3.49
LOC_Os07g48130.1	potassium transporter, putative, expressed	Chr7	28741518	28746109	-	10	3574	-3.48
LOC_Os07g48130.4	potassium transporter, putative, expressed	Chr7	28741520	28746109	-	10	3602	-3.47
LOC_Os03g14370.2	ACT domain containing protein, expressed	Chr3	7815021	7817753	+	4	2062	-3.47
LOC_Os03g14370.1	ACT domain containing protein, expressed	Chr3	7815021	7817753	+	3	2247	-3.47
LOC_Os05g44170.1	cyclic phosphodiesterase, putative, expressed	Chr5	25666144	25667391	+	3	1052	-3.46
LOC_Os04g51400.3	zinc finger, C3HC4 type domain containing protein, expressed	Chr4	30439467	30441472	-	4	1738	-3.45
LOC_Os04g51400.2	zinc finger, C3HC4 type domain containing protein, expressed	Chr4	30439467	30442796	-	5	1648	-3.44
LOC_Os04g51400.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr4	30439467	30442859	-	5	1701	-3.43
LOC_Os04g51400.5	zinc finger, C3HC4 type domain containing protein, expressed	Chr4	30439474	30442859	-	4	1810	-3.43
LOC_Os05g09480.1	OslAA16 - Auxin-responsive Aux/IAA gene family member, expressed	Chr5	5329581	5331490	+	6	1591	-3.43
LOC_Os01g16080.1	expressed protein	Chr1	9057835	9061059	-	4	1373	-3.42
LOC_Os09g20980.1	RING-H2 finger protein, putative, expressed	Chr9	12637640	12639373	+	1	1766	-3.41
LOC_Os12g36730.1	stripe rust resistance protein Yr10, putative, expressed	Chr12	22497534	22502497	-	8	3155	-3.41
LOC_Os01g18670.1	MDR-like ABC transporter, putative, expressed	Chr1	10515723	10521282	-	11	4210	-3.40
LOC_Os05g40270.12	expressed protein	Chr5	23660810	23662906	+	3	1847	-3.39
LOC_Os03g07180.1	embryonic protein DC-8, putative, expressed	Chr3	3677754	3679971	-	2	2143	-3.39
LOC_Os03g07180.3	embryonic protein DC-8, putative, expressed	Chr3	3677754	3679971	-	3	2034	-3.39
LOC_Os03g07180.2	embryonic protein DC-8, putative, expressed	Chr3	3677867	3679971	-	3	2002	-3.39

LOC_Os03g05630.1	expressed protein	Chr3	2811738	2814268	+	3	1447	-3.36
LOC_Os06g23684.1	tyrosine aminotransferase, putative, expressed	Chr6	13835598	13844081	+	7	1932	-3.33
LOC_Os06g51480.1	expressed protein	Chr6	31181596	31184726	+	6	1836	-3.33
LOC_Os02g45810.1	WD domain, G-beta repeat domain containing protein, expressed	Chr2	27906289	27909389	-	2	1957	-3.32
LOC_Os06g51480.2	expressed protein	Chr6	31181664	31184726	+	5	1857	-3.31
LOC_Os04g45970.1	glutamate dehydrogenase protein, putative, expressed	Chr4	27233361	27238105	+	9	2390	-3.30
LOC_Os02g08364.1	protein phosphatase 2C, putative, expressed	Chr2	4449777	4454808	+	13	3006	-3.30
LOC_Os01g51010.2	DUF292 domain containing protein, expressed	Chr1	29309116	29312618	+	3	3444	-3.27
LOC_Os10g39540.4	protein phosphatase 2C, putative, expressed	Chr10	21126328	21130094	+	5	1755	-3.26
LOC_Os02g45810.2	WD domain, G-beta repeat domain containing protein, expressed	Chr2	27906289	27909389	-	3	2071	-3.26
LOC_Os07g47350.1	potassium transporter, putative, expressed	Chr7	28312108	28316774	-	8	3059	-3.25
LOC_Os10g33730.2	pentatricopeptide, putative, expressed	Chr10	17797819	17803223	-	4	3562	-3.24
LOC_Os01g51010.1	DUF292 domain containing protein, expressed	Chr1	29306448	29312618	+	7	4193	-3.23
LOC_Os10g36690.4	dehydration response related protein, putative, expressed	Chr10	19620006	19626243	+	6	2775	-3.23
LOC_Os03g11300.1	expressed protein	Chr3	5814166	5816687	-	6	1592	-3.23
LOC_Os10g36690.2	dehydration response related protein, putative, expressed	Chr10	19621599	19626243	+	6	2982	-3.23
LOC_Os10g36690.1	dehydration response related protein, putative, expressed	Chr10	19621599	19626243	+	6	2985	-3.23
LOC_Os08g35860.1	cytokinin dehydrogenase precursor, putative, expressed	Chr8	22616784	22619732	-	5	2165	-3.22
LOC_Os10g39540.2	protein phosphatase 2C, putative, expressed	Chr10	21126318	21130094	+	5	2596	-3.21
LOC_Os01g07310.4	transporter-related, putative, expressed	Chr1	3446936	3450222	-	7	1642	-3.21
LOC_Os08g34300.1	retrotransposon protein, putative, unclassified, expressed	Chr8	21526881	21531782	+	4	4468	-3.20
LOC_Os10g29620.1	tyrosine protein kinase domain containing protein, putative, expressed	Chr10	15402600	15405854	-	5	1789	-3.20
LOC_Os05g49770.1	CTP synthase, putative, expressed	Chr5	28551310	28557309	-	21	3150	-3.19
LOC_Os05g49770.2	CTP synthase, putative, expressed	Chr5	28551310	28557309	-	21	3138	-3.19
LOC_Os10g36690.3	dehydration response related protein, putative, expressed	Chr10	19622252	19626243	+	6	2772	-3.18
LOC_Os10g37560.1	expressed protein	Chr10	20104427	20106957	-	8	1806	-3.17
LOC_Os05g48600.1	glycosyltransferase family 43 protein, putative, expressed	Chr5	27860575	27865055	+	5	2304	-3.17
LOC_Os10g22980.3	leucine rich repeat domain containing protein, putative, expressed	Chr10	11980934	11986090	+	5	2870	-3.17
LOC_Os10g22980.1	leucine rich repeat domain containing protein, putative, expressed	Chr10	11981006	11986117	+	6	2778	-3.17
LOC_Os10g22980.2	leucine rich repeat domain containing protein, putative, expressed	Chr10	11982142	11986090	+	5	2764	-3.17
LOC_Os10g22980.4	leucine rich repeat domain containing protein, putative, expressed	Chr10	11982185	11986090	+	4	2762	-3.17
LOC_Os05g48600.2	glycosyltransferase family 43 protein, putative, expressed	Chr5	27860628	27865038	+	6	2149	-3.17
LOC_Os01g53000.2	trehalose synthase, putative, expressed	Chr1	30460007	30463589	+	2	2777	-3.16
LOC_Os03g07360.1	expressed protein	Chr3	3738779	3741715	+	2	2056	-3.15
LOC_Os01g07310.1	transporter-related, putative, expressed	Chr1	3446936	3450222	-	8	1994	-3.14
LOC_Os01g43630.1	adaptin, putative, expressed	Chr1	24994804	25002855	+	13	3104	-3.14
LOC_Os01g43630.2	adaptin, putative, expressed	Chr1	24994804	25002855	+	13	3101	-3.14
LOC_Os08g10290.1	SHR5-receptor-like kinase, putative, expressed	Chr8	5980928	5988963	+	24	3959	-3.13
LOC_Os01g07310.3	transporter-related, putative, expressed	Chr1	3446936	3450222	-	7	2216	-3.13
LOC_Os02g09359.1	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1 precursor, putative, expressed	Chr2	4808234	4817119	-	4	1791	-3.13
LOC_Os02g39970.1	regulatory subunit, putative, expressed	Chr2	24166829	24174245	-	16	2996	-3.13
LOC_Os02g39970.2	regulatory subunit, putative, expressed	Chr2	24166829	24174245	-	16	3177	-3.12
LOC_Os05g25840.3	ELMO/CED-12 family protein, putative, expressed	Chr5	15040797	15044759	+	7	2732	-3.10
LOC_Os01g07310.2	transporter-related, putative, expressed	Chr1	3446937	3450222	-	7	2204	-3.09
LOC_Os05g25840.1	ELMO/CED-12 family protein, putative, expressed	Chr5	15040797	15044759	+	6	2790	-3.09

LOC_Os12g03470.4	alpha-N-arabinofuranosidase A, putative, expressed	Chr12	1359586	1366649 +	19	3304	-3.08
LOC_Os12g03470.2	alpha-N-arabinofuranosidase A, putative, expressed	Chr12	1359586	1366649 +	18	3372	-3.08
LOC_Os12g03470.5	alpha-N-arabinofuranosidase A, putative, expressed	Chr12	1359586	1366649 +	17	3479	-3.07
LOC_Os08g31980.1	trehalose-6-phosphate synthase, putative, expressed	Chr8	19830328	19836087 -	4	3417	-3.05
LOC_Os10g33720.1	methyltransferase, putative, expressed	Chr10	17794333	17799831 +	8	2836	-3.05
LOC_Os10g33720.3	methyltransferase, putative, expressed	Chr10	17795194	17799831 +	8	2789	-3.05
LOC_Os03g14800.3	serine palmitoyltransferase 1, putative, expressed	Chr3	8046961	8052547 -	16	2589	-3.05
LOC_Os03g32590.2	transcription initiation factor, putative, expressed	Chr3	18639911	18647607 -	12	2719	-3.05
LOC_Os06g24704.1	acyl-coenzyme A oxidase, putative, expressed	Chr6	14504077	14512950 -	13	2861	-3.04
LOC_Os03g14800.1	serine palmitoyltransferase 1, putative, expressed	Chr3	8046989	8052547 -	14	2695	-3.01
LOC_Os07g37180.2	ABC1 family domain containing protein, putative, expressed	Chr7	22269039	22273616 -	5	2574	-3.00
LOC_Os02g54080.1	expressed protein	Chr2	33124415	33127635 -	6	1642	-3.00
LOC_Os02g54080.2	expressed protein	Chr2	33124415	33127635 -	6	1639	-3.00
LOC_Os02g39970.3	regulatory subunit, putative, expressed	Chr2	24168406	24174245 -	12	2979	-2.99
LOC_Os09g36300.1	OsLonP4 - Putative Lon protease homologue, expressed	Chr9	20945915	20952936 -	17	3861	-2.99
LOC_Os09g36300.3	OsLonP4 - Putative Lon protease homologue, expressed	Chr9	20945915	20952936 -	16	3942	-2.99
LOC_Os09g36300.4	OsLonP4 - Putative Lon protease homologue, expressed	Chr9	20945915	20951982 -	16	3582	-2.99
LOC_Os09g36300.2	OsLonP4 - Putative Lon protease homologue, expressed	Chr9	20945915	20952936 -	16	3945	-2.99
LOC_Os03g09220.6	stage II sporulation protein E, putative, expressed	Chr3	4815464	4820417 +	10	2121	-2.98
LOC_Os03g09220.4	stage II sporulation protein E, putative, expressed	Chr3	4815464	4820417 +	10	2127	-2.98
LOC_Os04g02070.1	expressed protein	Chr4	661144	667572 -	2	3072	-2.95
LOC_Os11g11810.1	NBS-LRR disease resistance protein, putative, expressed	Chr11	6554514	6561687 +	3	4340	-2.93
LOC_Os05g45310.1	ER lumen protein retaining receptor, putative, expressed	Chr5	26288908	26291990 -	6	1470	-2.92
LOC_Os12g03470.3	alpha-N-arabinofuranosidase A, putative, expressed	Chr12	1359572	1366649 +	18	3208	-2.91
LOC_Os12g03470.1	alpha-N-arabinofuranosidase A, putative, expressed	Chr12	1360144	1366649 +	17	3194	-2.89
LOC_Os06g04070.1	pyridoxal-dependent decarboxylase protein, putative, expressed	Chr6	1674045	1677406 -	1	3394	-2.83
LOC_Os09g34310.1	expressed protein	Chr9	20252312	20253027 +	2	670	-2.83
LOC_Os01g56890.2	expressed protein	Chr1	32855275	32858101 -	3	1889	-2.81
LOC_Os05g48620.1	tRNA-binding arm, putative, expressed	Chr5	27868472	27877538 -	19	4563	-2.77
LOC_Os03g20180.2	ECT protein, putative, expressed	Chr3	11402649	11408106 +	8	3233	-2.74
LOC_Os01g62820.2	Transcription initiation factor TFIID subunit A containing protein, expressed	Chr1	36385625	36390411 -	8	2432	-2.74
LOC_Os01g62820.3	Transcription initiation factor TFIID subunit A containing protein, expressed	Chr1	36385625	36390411 -	8	2427	-2.74
LOC_Os09g28220.1	NFKB, putative, expressed	Chr9	17141366	17143325 +	1	1992	-2.74
LOC_Os01g62820.1	Transcription initiation factor TFIID subunit A containing protein, expressed	Chr1	36385625	36390411 -	8	2435	-2.74
LOC_Os03g20180.1	ECT protein, putative, expressed	Chr3	11402649	11408108 +	7	4214	-2.72
LOC_Os01g28680.8	WD domain, G-beta repeat domain containing protein, expressed	Chr1	16046682	16056268 +	10	4388	-2.69
LOC_Os03g25140.1	peptidyl-prolyl isomerase PASTICCINO1, putative, expressed	Chr3	14359330	14370739 +	20	3025	-2.65
LOC_Os01g28680.9	WD domain, G-beta repeat domain containing protein, expressed	Chr1	16046692	16056268 +	11	4273	-2.65
LOC_Os10g31460.4	retrotransposon protein, putative, unclassified, expressed	Chr10	16486322	16487160 -	1	871	-2.62
LOC_Os10g31460.5	retrotransposon protein, putative, unclassified, expressed	Chr10	16486322	16487160 -	2	770	-2.62
LOC_Os05g06280.3	ATKINESIN-13A/KINESIN-13A, putative, expressed	Chr5	3207517	3210197 +	5	2078	-2.59
LOC_Os05g41460.2	cysteine proteinase inhibitor precursor protein, putative, expressed	Chr5	24279602	24281856 -	3	1804	-2.58
LOC_Os05g41460.1	cysteine proteinase inhibitor precursor protein, putative, expressed	Chr5	24279602	24281856 -	3	1794	-2.58
LOC_Os04g48790.1	rhoGAP domain containing protein, expressed	Chr4	29106041	29109606 +	5	1963	-2.58
LOC_Os07g19530.1	peptidase, putative, expressed	Chr7	11551089	11570302 -	21	3678	-2.57

LOC_Os12g43950.3	homeobox domain containing protein, expressed	Chr12	27271529	27276782 -	6	3551	-2.54
LOC_Os06g43640.2	Ser/Thr protein phosphatase family protein, putative, expressed	Chr6	26254119	26259281 -	10	2579	-2.51
LOC_Os06g43640.1	Ser/Thr protein phosphatase family protein, putative, expressed	Chr6	26254119	26259255 -	10	2221	-2.51
LOC_Os06g12390.1	galactosyltransferase family protein, putative, expressed	Chr6	6715886	6722017 +	8	3807	-2.49
LOC_Os05g06280.2	ATKINESIN-13A/KINESIN-13A, putative, expressed	Chr5	3203042	3212349 +	17	4143	-2.49
LOC_Os06g12390.2	galactosyltransferase family protein, putative, expressed	Chr6	6715886	6722017 +	9	3977	-2.49
LOC_Os12g43950.2	homeobox domain containing protein, expressed	Chr12	27271529	27276756 -	6	2894	-2.45
LOC_Os12g43950.4	homeobox domain containing protein, expressed	Chr12	27271529	27276782 -	5	3286	-2.45
LOC_Os12g43950.1	homeobox domain containing protein, expressed	Chr12	27271529	27276782 -	6	3399	-2.43
LOC_Os03g17540.1	TBC domain containing protein, expressed	Chr3	9743501	9751248 +	19	4141	-2.35
LOC_Os03g17540.3	TBC domain containing protein, expressed	Chr3	9743501	9751248 +	16	5017	-2.34
LOC_Os04g31320.1	SWIB/MDM2 domain containing protein, expressed	Chr4	18735459	18738055 +	3	1928	-2.32
LOC_Os09g34310.2	expressed protein	Chr9	20252280	20254552 +	3	693	-2.31
LOC_Os05g06280.1	ATKINESIN-13A/KINESIN-13A, putative, expressed	Chr5	3203330	3214116 +	19	4192	-2.31
LOC_Os11g48060.1	laccase-22 precursor, putative, expressed	Chr11	28973120	28976343 +	6	2688	-2.29
LOC_Os01g15640.1	no apical meristem protein, putative, expressed	Chr1	8792646	8797363 -	5	2165	-2.28
LOC_Os04g51690.1	glycosyl hydrolase family 47 domain contain protein, expressed	Chr4	30621160	30628372 -	14	2749	-2.23
LOC_Os07g01550.1	leucine rich repeat domain containing protein, putative, expressed	Chr7	343926	350103 +	5	4170	-2.22
LOC_Os03g06090.1	high-affinity nickel-transport family protein, putative, expressed	Chr3	3048590	3051800 -	2	1443	-2.19
LOC_Os10g40640.1	glycosyl transferase 8 domain containing protein, putative, expressed	Chr10	21798920	21802986 +	5	2534	-2.18
LOC_Os04g58140.1	elongation factor Tu, putative, expressed	Chr4	34626345	34631340 -	12	2875	-2.16
LOC_Os04g58140.2	elongation factor Tu, putative, expressed	Chr4	34626374	34631340 -	11	3374	-2.13
LOC_Os12g02260.2	nucleotidyltransferase, putative, expressed	Chr12	707530	713432 -	8	3776	-2.02
LOC_Os09g00999.1	expressed protein	Chr9	2874	5458 +	1	2617	-1.02
LOC_Os09g01000.1	expressed protein	Chr9	6384	9310 +	1	2959	-0.94
LOC_Os05g19560.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr5	11381974	11389746 -	4	5960	2.18
LOC_Os03g05550.1	expressed protein	Chr3	2763464	2764156 -	2	295	2.20
LOC_Os08g25290.1	expressed protein	Chr8	15359346	15361511 +	5	655	2.30
LOC_Os11g24760.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr11	14102723	14105728 +	2	2983	2.32
LOC_Os07g07770.1	ribosomal protein S13p/S18e, putative, expressed	Chr7	3896681	3899826 +	3	333	2.32
LOC_Os02g10370.1	hrpN-interacting protein from Malus, putative, expressed	Chr2	5464034	5464324 -	2	250	2.33
LOC_Os12g15490.1	expressed protein	Chr12	8846057	8846458 +	3	354	2.33
LOC_Os05g45910.1	expressed protein	Chr5	26605226	26607098 -	3	408	2.33
LOC_Os08g42240.1	expressed protein	Chr8	26672686	26673265 -	2	430	2.33
LOC_Os08g18830.1	zinc knuckle family protein, expressed	Chr8	11237649	11242942 -	2	4378	2.36
LOC_Os12g31000.1	pumilio-family RNA binding repeat domain containing protein, expressed	Chr12	18618482	18621147 +	5	2170	2.36
LOC_Os09g27135.1	expressed protein	Chr9	16499216	16501586 -	3	1254	2.43
LOC_Os07g27450.1	expressed protein	Chr7	15990882	15994107 +	2	1181	2.43
LOC_Os04g58490.1	expressed protein	Chr4	34790785	34791388 -	3	321	2.43
LOC_Os03g24920.1	ubiquitin family protein, putative, expressed	Chr3	14197229	14197575 -	2	331	2.43
LOC_Os08g32820.1	variant latency associated nuclear antigen, putative	Chr8	20342558	20343583 +	3	804	2.43
LOC_Os01g11470.1	expressed protein	Chr1	6182163	6182516 +	1	386	2.44
LOC_Os07g16150.1	expressed protein	Chr7	9405827	9407220 +	4	791	2.44
LOC_Os01g18890.1	peroxidase precursor, putative, expressed	Chr1	10679488	10682188 -	2	832	2.44
LOC_Os03g51459.1	expressed protein	Chr3	29448143	29450245 -	3	843	2.44

LOC_Os02g43230.1	expressed protein	Chr2	26047569	26048033	+	1	497	2.44
LOC_Os11g27740.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr11	15966421	15970437	+	9	2052	2.49
LOC_Os06g47850.1	zinc finger family protein, putative, expressed	Chr6	28958626	28960418	+	4	1564	2.49
LOC_Os08g16120.1	disease resistance protein RPM1, putative, expressed	Chr8	9824627	9828471	+	3	3314	2.49
LOC_Os08g16120.2	disease resistance protein RPM1, putative, expressed	Chr8	9824627	9828471	+	4	3371	2.49
LOC_Os02g29300.1	expressed protein	Chr2	17406610	17411180	-	6	2265	2.49
LOC_Os01g21170.1	expressed protein	Chr1	11810685	11811951	+	1	1299	2.53
LOC_Os02g24624.1	conserved hypothetical protein	Chr2	14281752	14281964	+	1	245	2.53
LOC_Os09g22550.1	transposon protein, putative, unclassified	Chr9	13603144	13603368	+	1	257	2.54
LOC_Os09g31031.3	ubiquitin family protein, putative, expressed	Chr9	18669317	18671173	+	3	762	2.54
LOC_Os06g27730.1	retrotransposon protein, putative, unclassified, expressed	Chr6	15704876	15706910	+	3	798	2.54
LOC_Os04g33560.1	expressed protein	Chr4	20304563	20306181	+	2	992	2.54
LOC_Os04g40750.1	expressed protein	Chr4	24187919	24188910	+	2	916	2.54
LOC_Os01g21500.1	retrotransposon protein, putative, unclassified	Chr1	12010580	12011810	-	2	1228	2.54
LOC_Os03g46940.1	expressed protein	Chr3	26543216	26543446	-	1	263	2.54
LOC_Os03g51264.1	expressed protein	Chr3	29326295	29326728	-	2	289	2.54
LOC_Os12g06930.1	expressed protein	Chr12	3384443	3384817	-	1	407	2.54
LOC_Os07g15130.1	expressed protein	Chr7	8681594	8682828	+	3	504	2.54
LOC_Os06g17170.1	retrotransposon protein, putative, unclassified	Chr6	9953740	9956436	-	3	546	2.54
LOC_Os03g52400.1	ribosomal protein L7/L12 C-terminal domain containing protein, expressed	Chr3	30080571	30081435	-	1	897	2.54
LOC_Os06g28720.1	expressed protein	Chr6	16352388	16353257	+	1	902	2.54
LOC_Os02g18490.1	LTPL53 - Protease inhibitor/seed storage/LTP family protein precursor, expressed	Chr2	10764509	10767402	+	4	944	2.54
LOC_Os09g37380.1	OsSAUR42 - Auxin-responsive SAUR gene family member, expressed	Chr9	21579912	21580334	+	1	455	2.54
LOC_Os12g31770.2	expressed protein	Chr12	19119314	19120005	+	2	528	2.54
LOC_Os12g22760.4	expressed protein	Chr12	12845190	12847897	+	5	1636	2.54
LOC_Os04g40350.1	GRF zinc finger family protein	Chr4	23990892	23991709	-	3	750	2.56
LOC_Os04g53020.1	GRF zinc finger family protein	Chr4	31575624	31576441	+	3	750	2.56
LOC_Os01g45174.1	transposon protein, putative, unclassified, expressed	Chr1	25630010	25636071	-	8	2434	2.60
LOC_Os01g59540.1	GRF zinc finger family protein	Chr1	34425818	34427049	+	4	1040	2.62
LOC_Os01g25189.6	delta14-sterol reductase, putative, expressed	Chr1	14225415	14233656	-	14	2059	2.62
LOC_Os01g24370.1	retrotransposon protein, putative, unclassified	Chr1	13740304	13741112	-	3	537	2.63
LOC_Os06g28970.1	bolA, putative, expressed	Chr6	16509328	16512902	+	3	926	2.63
LOC_Os07g27660.1	transposon protein, putative, Pong sub-class	Chr7	16146315	16147346	-	2	1063	2.63
LOC_Os04g09560.1	tesmin/TSO1-like CXC domain containing protein, expressed	Chr4	5130826	5132553	-	5	604	2.63
LOC_Os10g36030.1	cytochrome b561, putative, expressed	Chr10	19255873	19258067	-	4	821	2.63
LOC_Os12g02630.1	cytochrome P450 72A1, putative, expressed	Chr12	910825	912396	+	3	1279	2.63
LOC_Os08g15050.1	CCT/B-box zinc finger protein, putative, expressed	Chr8	9098573	9099880	+	1	1340	2.63
LOC_Os08g39270.1	fasciclin domain containing protein, expressed	Chr8	24818308	24820452	-	2	1343	2.63
LOC_Os03g14110.1	expressed protein	Chr3	7667922	7670731	+	5	1360	2.63
LOC_Os06g47310.1	plant-specific domain TIGR01627 family protein, expressed	Chr6	28679459	28681004	+	2	1540	2.63
LOC_Os08g14050.1	expressed protein	Chr8	8415405	8418565	-	5	1603	2.63
LOC_Os02g11940.2	sterol glucosyltransferase, putative, expressed	Chr2	6188722	6193629	+	14	2055	2.64
LOC_Os10g27080.1	expressed protein	Chr10	14271508	14272625	+	3	849	2.64
LOC_Os11g40030.2	cyclin-dependent kinase inhibitor, putative, expressed	Chr11	23866060	23867908	+	4	921	2.64
LOC_Os03g48160.1	phosphomevalonate kinase, putative, expressed	Chr3	27403359	27405535	+	8	1066	2.64

LOC_Os03g30290.1	expressed protein	Chr3	17285861	17287294 +	1	1466	2.64
LOC_Os02g52870.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr2	32324316	32326103 +	3	1501	2.64
LOC_Os09g20579.1	expressed protein	Chr9	12397884	12398457 +	1	606	2.64
LOC_Os03g08710.1	THION26 - Plant thionin family protein precursor, expressed	Chr3	4489669	4490552 +	2	791	2.64
LOC_Os03g08710.2	THION26 - Plant thionin family protein precursor, expressed	Chr3	4489695	4490552 +	1	890	2.64
LOC_Os09g30462.1	expressed protein	Chr9	18564834	18565737 +	1	936	2.64
LOC_Os02g39910.1	B4-BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with B4 subfamily conserved sequ	Chr2	24133183	24139373 -	1	6223	2.65
LOC_Os06g05050.1	OsWAK61 - OsWAK receptor-like protein kinase, expressed	Chr6	2229206	2233267 +	5	2695	2.67
LOC_Os02g02740.1	PPR repeat containing protein, expressed	Chr2	1038334	1039710 -	1	1409	2.68
LOC_Os09g25960.1	glutamate receptor, putative, expressed	Chr9	15588270	15594378 -	5	2962	2.69
LOC_Os04g51450.1	glycosyl hydrolases family 16, putative, expressed	Chr4	30473364	30475160 -	3	1662	2.69
LOC_Os03g45720.1	glyoxalase family protein, putative, expressed	Chr3	25801614	25804500 -	3	825	2.69
LOC_Os09g11110.1	retrotransposon protein, putative, unclassified, expressed	Chr9	6160766	6163707 -	7	2249	2.70
LOC_Os12g11810.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr12	6410324	6414745 -	2	4288	2.71
LOC_Os01g39080.1	expressed protein	Chr1	21967984	21968571 +	2	577	2.72
LOC_Os05g16710.1	retrotransposon protein, putative, unclassified	Chr5	9500782	9502982 +	4	650	2.72
LOC_Os02g47370.1	transcription factor TF2, putative, expressed	Chr2	28921176	28921795 -	1	652	2.72
LOC_Os08g09990.1	expressed protein	Chr8	5774033	5776437 -	5	823	2.72
LOC_Os11g13420.2	RNA binding protein, putative, expressed	Chr11	7346985	7348825 -	5	930	2.72
LOC_Os11g12350.1	disease resistance protein, putative, expressed	Chr11	6896964	6898774 +	2	1201	2.72
LOC_Os04g29500.1	retrotransposon protein, putative, unclassified	Chr4	17532216	17533573 -	2	1229	2.72
LOC_Os01g73920.1	hypothetical protein	Chr1	42830103	42830920 -	2	397	2.72
LOC_Os03g47210.1	expressed protein	Chr3	26722020	26722640 -	1	653	2.72
LOC_Os02g22600.1	retrotransposon protein, putative, unclassified, expressed	Chr2	13471767	13472502 +	2	727	2.72
LOC_Os12g36060.1	expressed protein	Chr12	22100818	22101538 +	1	753	2.72
LOC_Os03g02610.1	glycosyl hydrolases family 16 protein, protein, expressed	Chr3	964180	965338 +	1	1191	2.72
LOC_Os01g60730.2	RING-H2 finger protein, putative, expressed	Chr1	35121641	35122989 -	1	1381	2.72
LOC_Os10g40280.1	expressed protein	Chr10	21592730	21594387 +	1	1690	2.72
LOC_Os11g01990.1	expressed protein	Chr11	531013	532077 -	2	493	2.73
LOC_Os02g08520.1	peptidase, T1 family, putative, expressed	Chr2	4599038	4601200 -	6	834	2.73
LOC_Os11g02350.1	LTPL25 - Protease inhibitor/seed storage/LTP family protein precursor, expressed	Chr11	684611	685626 +	2	990	2.73
LOC_Os05g33760.1	PPR repeat domain containing protein, putative, expressed	Chr5	19894469	19899832 -	3	1854	2.73
LOC_Os07g18980.1	expressed protein	Chr7	11234053	11234499 +	2	421	2.73
LOC_Os07g42130.1	expressed protein	Chr7	25211174	25211956 +	2	749	2.73
LOC_Os10g39489.1	retrotransposon protein, putative, unclassified, expressed	Chr10	21086303	21087310 -	2	937	2.73
LOC_Os07g38000.1	cytochrome c, putative, expressed	Chr7	22798819	22800257 -	5	1125	2.73
LOC_Os12g12650.1	retrotransposon protein, putative, unclassified, expressed	Chr12	6971657	6977754 +	6	1290	2.73
LOC_Os04g05040.1	transposon protein, putative, unclassified, expressed	Chr4	2448851	2451024 -	3	1713	2.73
LOC_Os02g27769.1	40S ribosomal protein S27, putative, expressed	Chr2	16445789	16446230 +	3	234	2.73
LOC_Os02g31920.1	expressed protein	Chr2	18859234	18860105 +	3	787	2.73
LOC_Os10g19850.1	expressed protein	Chr10	9895838	9897297 -	2	913	2.73
LOC_Os06g25520.1	retrotransposon protein, putative, unclassified, expressed	Chr6	14922636	14926141 +	4	1037	2.73
LOC_Os03g55430.1	expressed protein	Chr3	31537854	31538849 +	2	985	2.73
LOC_Os08g18890.1	expressed protein	Chr8	11267744	11268082 +	1	371	2.73
LOC_Os07g47900.1	retrotransposon protein, putative, unclassified	Chr7	28607602	28610118 -	4	563	2.73

LOC_Os04g52580.1	tetratricopeptide repeat domain containing protein, expressed	Chr4	31260095	31262441 -	5	1120	2.74
LOC_Os05g19870.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr5	11574774	11581500 -	3	5469	2.74
LOC_Os02g54930.1	expressed protein	Chr2	33641472	33644308 +	5	703	2.75
LOC_Os04g57720.1	OsRR6 type-A response regulator, expressed	Chr4	34375978	34377357 +	2	1340	2.75
LOC_Os06g15640.1	retrotransposon protein, putative, unclassified, expressed	Chr6	8857881	8863470 +	5	4267	2.75
LOC_Os04g34420.1	serine/threonine-protein kinase receptor precursor, putative, expressed	Chr4	20843256	20845682 +	1	2459	2.75
LOC_Os03g14690.1	vacuolar ATP synthase 98 kDa subunit, putative, expressed	Chr3	7982396	7989437 +	18	3605	2.75
LOC_Os01g62970.2	expressed protein	Chr1	36479579	36484051 +	6	1273	2.76
LOC_Os12g22760.2	expressed protein	Chr12	12845190	12847897 +	5	1820	2.77
LOC_Os12g22760.3	expressed protein	Chr12	12845190	12847897 +	6	1767	2.77
LOC_Os01g01410.1	TKL_IRAK_C-LEC.1 - TKL_IRAK_C-LEC has homology to C-type lectin receptors, expressed	Chr1	205710	209606 -	4	2617	2.78
LOC_Os01g01410.2	TKL_IRAK_C-LEC.1 - TKL_IRAK_C-LEC has homology to C-type lectin receptors, expressed	Chr1	205710	209606 -	4	2614	2.78
LOC_Os05g41800.1	ribosomal protein L11 methyltransferase-related, putative, expressed	Chr5	24480751	24483094 +	7	1719	2.78
LOC_Os02g11940.1	sterol glucosyltransferase, putative, expressed	Chr2	6188722	6193632 +	15	2301	2.78
LOC_Os02g49690.1	ACT domain-containing protein, putative, expressed	Chr2	30364405	30365822 +	3	1229	2.78
LOC_Os07g38630.1	expressed protein	Chr7	23202826	23203312 +	2	259	2.81
LOC_Os07g26740.1	60S ribosomal protein L44, putative, expressed	Chr7	15448959	15451104 +	4	446	2.81
LOC_Os05g25870.2	N-dimethylguanosine tRNA methyltransferase, putative, expressed	Chr5	15054708	15056472 -	4	946	2.81
LOC_Os02g04325.1	expressed protein	Chr2	1905767	1908082 +	3	955	2.81
LOC_Os12g02070.1	expressed protein	Chr12	616624	617637 -	3	676	2.81
LOC_Os01g60730.1	RING-H2 finger protein, putative, expressed	Chr1	35121625	35122986 -	2	1357	2.81
LOC_Os01g14080.1	lipase class 3 family protein, putative, expressed	Chr1	7879931	7882632 -	2	1604	2.81
LOC_Os08g25660.1	transposon protein, putative, unclassified, expressed	Chr8	15611325	15614185 -	5	1690	2.81
LOC_Os05g20590.1	expressed protein	Chr5	12084788	12086334 +	3	441	2.81
LOC_Os12g19120.1	transposon protein, putative, unclassified, expressed	Chr12	11100886	11102145 +	2	532	2.81
LOC_Os01g27060.1	retrotransposon, putative, centromere-specific, expressed	Chr1	15094011	15096404 +	4	626	2.81
LOC_Os04g14810.1	3-5 exonuclease domain-containing protein, putative, expressed	Chr4	8320563	8321450 -	1	920	2.81
LOC_Os05g25870.1	N-dimethylguanosine tRNA methyltransferase, putative, expressed	Chr5	15054708	15056028 -	3	1079	2.81
LOC_Os05g26840.1	permease domain containing protein, putative, expressed	Chr5	15574252	15576162 -	1	1943	2.81
LOC_Os03g22790.1	beta-amylase, putative, expressed	Chr3	13161913	13164014 +	2	2086	2.81
LOC_Os02g46730.1	expressed protein	Chr2	28538658	28543024 +	9	2119	2.81
LOC_Os09g08480.1	expressed protein	Chr9	4426809	4428345 -	3	933	2.81
LOC_Os07g02550.1	expressed protein	Chr7	918399	919310 -	1	944	2.81
LOC_Os06g41240.1	expressed protein	Chr6	24680279	24681229 -	1	983	2.81
LOC_Os05g13580.1	OsCML18 - Calmodulin-related calcium sensor protein, expressed	Chr5	7533633	7534664 -	1	1064	2.81
LOC_Os07g38000.2	cytochrome c, putative, expressed	Chr7	22798819	22800192 -	4	1108	2.81
LOC_Os03g12560.1	expressed protein	Chr3	6654500	6656681 -	2	1259	2.81
LOC_Os07g36970.1	transposon protein, putative, unclassified, expressed	Chr7	22131637	22133774 +	4	1535	2.81
LOC_Os11g09130.1	receptor-like protein kinase 5 precursor, putative, expressed	Chr11	4860885	4862816 +	1	1964	2.81
LOC_Os07g07719.1	ribosomal protein S13p/S18e, putative, expressed	Chr7	3883541	3885517 +	3	607	2.81
LOC_Os06g38603.1	retrotransposon protein, putative, unclassified, expressed	Chr6	22900051	22901169 +	1	1151	2.81
LOC_Os11g32410.1	expressed protein	Chr11	19134085	19137450 -	4	1249	2.81
LOC_Os02g52010.1	phosphate-induced protein 1 conserved region domain containing protein, expressed	Chr2	31840427	31841847 -	1	1453	2.81
LOC_Os03g48230.1	expressed protein	Chr3	27448809	27449258 -	1	482	2.82
LOC_Os07g10254.1	expressed protein	Chr7	5507023	5507723 +	1	733	2.82

LOC_Os01g10640.1	expressed protein	Chr1	5685594	5686401 +	1	840	2.82
LOC_Os05g46770.1	expressed protein	Chr5	27085232	27089314 +	5	3395	2.83
LOC_Os05g48650.1	transcription factor HBP-1b, putative, expressed	Chr5	27883503	27884410 -	1	940	2.85
LOC_Os05g34130.1	expressed protein	Chr5	20178223	20180152 -	1	1962	2.87
LOC_Os05g11540.1	expressed protein	Chr5	6529761	6530504 -	2	448	2.88
LOC_Os03g11080.1	expressed protein	Chr3	5698284	5699187 +	2	393	2.88
LOC_Os06g50620.1	expressed protein	Chr6	30638237	30639753 -	3	846	2.88
LOC_Os06g50770.1	expressed protein	Chr6	30718413	30719929 -	3	846	2.88
LOC_Os05g30990.1	zinc finger protein, putative, expressed	Chr5	18003906	18007099 -	4	764	2.89
ChrSy.fgenesh.mRNA.82	expressed protein	ChrSy	558985	561654 +	9	1431	2.89
LOC_Os10g05730.2	armadillo/beta-catenin repeat family protein, putative, expressed	Chr10	2887353	2889781 -	1	2461	2.89
LOC_Os07g15980.1	expressed protein	Chr7	9315697	9316094 -	2	313	2.89
LOC_Os03g63740.1	NFD2, putative, expressed	Chr3	35985993	35986962 -	1	1002	2.89
LOC_Os10g30280.1	OsFBX386 - F-box domain containing protein, expressed	Chr10	15730619	15734015 +	5	1580	2.89
LOC_Os08g02250.1	IQ calmodulin-binding motif domain containing protein, expressed	Chr8	795184	797588 -	4	2288	2.89
LOC_Os02g07330.1	expressed protein	Chr2	3772299	3776107 +	9	2319	2.89
LOC_Os02g06260.1	phytosulfokine receptor precursor, putative, expressed	Chr2	3126962	3129256 -	1	2327	2.89
LOC_Os09g36630.1	expressed protein	Chr9	21134490	21136832 +	1	2375	2.89
LOC_Os01g08190.5	transcriptional corepressor LEUNIG, putative, expressed	Chr1	3976431	3981736 +	12	2363	2.89
LOC_Os01g49280.1	zinc finger family protein, putative, expressed	Chr1	28325361	28328256 -	9	1906	2.89
LOC_Os03g58230.1	plant-specific domain TIGR01615 family protein, expressed	Chr3	33169840	33172105 +	3	2148	2.89
LOC_Os05g03120.2	retrotransposon protein, putative, unclassified, expressed	Chr5	1240299	1245320 +	4	2456	2.89
LOC_Os05g03120.3	retrotransposon protein, putative, unclassified, expressed	Chr5	1240299	1245353 +	4	2491	2.89
LOC_Os05g03120.1	retrotransposon protein, putative, unclassified, expressed	Chr5	1240299	1245353 +	4	2494	2.89
LOC_Os07g07990.1	uncharacterized protein At4g06744 precursor, putative, expressed	Chr7	4029227	4030855 -	1	1661	2.89
LOC_Os04g08340.1	OsSigP3 - Putative Type I Signal Peptidase homologue%3B employs a putative Ser/Lys catalytic d	Chr4	4452696	4455350 +	4	1140	2.89
LOC_Os02g42650.1	expansin precursor, putative, expressed	Chr2	25652321	25659494 +	4	1657	2.89
LOC_Os09g32020.1	ubiquitin fusion degradation protein, putative, expressed	Chr9	19114990	19118017 -	6	1941	2.89
LOC_Os11g40249.3	expressed protein	Chr11	24001622	24008963 +	5	2198	2.89
LOC_Os11g05060.1	expressed protein	Chr11	2212491	2214420 -	3	429	2.90
LOC_Os04g48020.1	3-hexulose-6-phosphate isomerase, putative, expressed	Chr4	28573085	28573893 +	1	841	2.90
LOC_Os02g45940.1	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed	Chr2	27993898	27994741 -	1	876	2.90
LOC_Os01g25240.1	expressed protein	Chr1	14252929	14257384 +	9	1467	2.92
LOC_Os02g41610.1	expressed protein	Chr2	24953147	24960258 +	5	3218	2.94
LOC_Os05g02050.1	mitochondrial import inner membrane translocase subunit Tim, putative, expressed	Chr5	599360	599710 -	2	334	2.96
LOC_Os11g07860.1	expressed protein	Chr11	4014652	4016954 +	5	463	2.96
LOC_Os03g01840.1	knotted 1-binding protein 36, putative, expressed	Chr3	509215	510284 -	4	641	2.96
LOC_Os09g32960.3	expressed protein	Chr9	19671252	19673501 +	2	979	2.96
LOC_Os02g35315.2	expressed protein	Chr2	21234551	21236111 -	4	818	2.96
LOC_Os02g35315.1	expressed protein	Chr2	21234551	21236111 -	4	822	2.96
LOC_Os09g17860.1	retrotransposon protein, putative, unclassified, expressed	Chr9	10927129	10927974 +	1	878	2.96
LOC_Os07g07930.1	LTP178 - Protease inhibitor/seed storage/LTP family protein precursor, expressed	Chr7	3980211	3981284 +	2	1038	2.96
LOC_Os04g52090.1	AP2 domain containing protein, expressed	Chr4	30939177	30940275 +	1	1131	2.96
LOC_Os06g04870.1	homeobox associated leucine zipper, putative, expressed	Chr6	2137450	2139101 +	2	1605	2.96
LOC_Os10g04610.2	OsFBX360 - F-box domain containing protein, expressed	Chr10	2196559	2198967 +	2	1739	2.96

LOC_Os09g32610.1	expressed protein	Chr9	19458952	19462724 -	5	2228	2.96
LOC_Os02g46260.5	OsSCP9 - Putative Serine Carboxypeptidase homologue, expressed	Chr2	28212066	28217277 +	13	2394	2.96
LOC_Os03g49820.1	expressed protein	Chr3	28371847	28375160 +	5	943	2.97
LOC_Os12g02880.1	E2F-related protein, putative, expressed	Chr12	1052828	1053879 +	2	1010	2.97
LOC_Os09g10204.1	expressed protein	Chr9	5556531	5557872 +	1	1374	2.97
LOC_Os04g35114.1	receptor-like kinase, putative, expressed	Chr4	21340765	21344577 +	8	2058	2.97
LOC_Os01g68650.1	plant-specific domain TIGR01615 family protein, expressed	Chr1	39866338	39867460 -	1	1155	2.97
LOC_Os03g47190.1	expressed protein	Chr3	26706239	26708042 -	1	1836	2.97
LOC_Os02g51260.1	retrotransposon protein, putative, unclassified, expressed	Chr2	31385511	31388559 -	5	2734	2.97
LOC_Os08g16790.1	DUF593 domain containing protein, expressed	Chr8	10269496	10270934 -	1	1471	2.97
LOC_Os11g03590.1	EMB1379, putative, expressed	Chr11	1392723	1394979 +	6	1704	2.97
LOC_Os06g12100.1	mTERF family protein, expressed	Chr6	6479283	6480980 -	1	1730	2.97
LOC_Os09g23860.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr9	14226131	14229706 -	5	2068	2.97
LOC_Os03g02830.1	cell cycle control protein, putative, expressed	Chr3	1102447	1106646 -	9	2141	2.97
LOC_Os02g51414.1	expressed protein	Chr2	31495093	31495799 -	1	739	2.97
LOC_Os04g58940.1	expressed protein	Chr4	35064007	35064548 -	1	574	2.97
LOC_Os08g39610.1	expressed protein	Chr8	25067870	25068460 -	1	623	2.97
LOC_Os06g42210.1	expressed protein	Chr6	25345433	25346334 -	2	826	2.97
LOC_Os11g33240.3	citrate synthase, putative, expressed	Chr11	19649309	19655980 +	19	2770	2.98
LOC_Os11g33240.2	citrate synthase, putative, expressed	Chr11	19649309	19655980 +	20	2859	2.98
LOC_Os11g33240.1	citrate synthase, putative, expressed	Chr11	19649309	19655980 +	20	2873	2.98
LOC_Os02g16880.1	protein of unknown function DUF502 domain containing protein, expressed	Chr2	9617783	9623835 -	7	1635	2.99
LOC_Os04g40560.1	WD domain, G-beta repeat domain containing protein, expressed	Chr4	24086334	24088075 -	1	1774	2.99
LOC_Os07g12230.1	expressed protein	Chr7	6848016	6853390 +	6	1575	3.00
LOC_Os06g49110.3	delta-aminolevulinic acid dehydratase, chloroplast precursor, putative, expressed	Chr6	29757045	29761643 -	12	2637	3.01
LOC_Os06g49110.1	delta-aminolevulinic acid dehydratase, chloroplast precursor, putative, expressed	Chr6	29757045	29761835 -	13	2614	3.01
LOC_Os06g49110.2	delta-aminolevulinic acid dehydratase, chloroplast precursor, putative, expressed	Chr6	29757045	29761659 -	11	2709	3.01
LOC_Os01g42170.1	zinc knuckle family protein, expressed	Chr1	23903468	23908372 -	1	4937	3.01
LOC_Os03g37090.1	expressed protein	Chr3	20558987	20561470 -	4	560	3.02
LOC_Os07g18720.1	tetratricopeptide repeat containing protein, putative, expressed	Chr7	11064790	11076993 +	18	2420	3.02
LOC_Os03g17130.1	bHelix-loop-helix transcription factor, putative, expressed	Chr3	9513353	9518158 -	13	2172	3.03
LOC_Os06g47420.1	transposon protein, putative, unclassified, expressed	Chr6	28726645	28728264 -	2	867	3.03
LOC_Os01g73024.1	expressed protein	Chr1	42369770	42370365 +	1	628	3.03
LOC_Os03g03360.1	ribosomal protein L5, putative, expressed	Chr3	1432787	1435347 -	3	2133	3.03
LOC_Os12g18550.1	expressed protein	Chr12	10724195	10725087 +	3	818	3.03
LOC_Os01g48690.2	ribosomal protein rpS20, putative, expressed	Chr1	27922318	27924368 +	2	1089	3.03
LOC_Os01g48690.1	ribosomal protein rpS20, putative, expressed	Chr1	27922230	27924368 +	3	1128	3.03
LOC_Os06g37020.1	expressed protein	Chr6	21841186	21842474 +	1	1321	3.03
LOC_Os01g37570.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr1	21003608	21005963 -	3	1464	3.03
LOC_Os09g30410.1	expressed protein	Chr9	18508370	18510789 -	6	1511	3.03
LOC_Os08g26270.1	expressed protein	Chr8	16015231	16015586 -	2	328	3.04
LOC_Os05g02690.1	sensitivity to red light reduced protein 1, putative, expressed	Chr5	956022	957051 +	1	1062	3.04
LOC_Os07g26750.1	expressed protein	Chr7	15451950	15452504 -	1	587	3.04
LOC_Os06g28890.1	expressed protein	Chr6	16481194	16485465 +	2	766	3.04
LOC_Os11g40630.1	expressed protein	Chr11	24250391	24252445 +	4	965	3.04

LOC_Os03g50570.1	expressed protein	Chr3	28875574	28880854 +	7	938	3.04
LOC_Os05g23650.1	expressed protein	Chr5	13565502	13566559 -	2	1011	3.04
LOC_Os03g29250.1	SPX domain-containing protein, putative, expressed	Chr3	16645316	16646422 +	2	1082	3.04
LOC_Os07g42730.1	EF hand family protein, expressed	Chr7	25585028	25586234 +	1	1239	3.04
LOC_Os06g01620.1	scarecrow, putative, expressed	Chr6	365301	367066 +	1	1798	3.04
LOC_Os03g11980.1	beta-hexosaminidase precursor, putative, expressed	Chr3	6280174	6282712 -	2	2498	3.04
LOC_Os03g48840.4	ribosomal L18p/L5e family protein, putative, expressed	Chr3	27823064	27825718 +	2	682	3.04
LOC_Os03g48840.3	ribosomal L18p/L5e family protein, putative, expressed	Chr3	27823047	27825718 +	2	735	3.04
LOC_Os04g35660.1	no apical meristem protein, putative, expressed	Chr4	21733623	21734709 +	3	994	3.04
LOC_Os03g04610.1	expressed protein	Chr3	2154645	2155719 +	1	1107	3.04
LOC_Os05g18500.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr5	10694055	10697966 -	4	1328	3.04
LOC_Os06g13560.4	SAM dependent carboxyl methyltransferase, putative, expressed	Chr6	7480067	7482195 -	5	1498	3.04
LOC_Os12g38550.1	expressed protein	Chr12	23670116	23673048 +	4	1538	3.04
LOC_Os06g13560.2	SAM dependent carboxyl methyltransferase, putative, expressed	Chr6	7480067	7482194 -	4	1651	3.04
LOC_Os02g41954.1	gibberellin 2-beta-dioxygenase 7, putative, expressed	Chr2	25199386	25203742 -	3	1653	3.04
LOC_Os06g13560.1	SAM dependent carboxyl methyltransferase, putative, expressed	Chr6	7480067	7482194 -	4	1657	3.04
LOC_Os06g13560.5	SAM dependent carboxyl methyltransferase, putative, expressed	Chr6	7480067	7482194 -	3	1733	3.04
LOC_Os06g13560.3	SAM dependent carboxyl methyltransferase, putative, expressed	Chr6	7480067	7482254 -	3	1831	3.04
LOC_Os03g63270.1	regulatory protein, putative, expressed	Chr3	35753292	35758055 +	3	2072	3.04
LOC_Os11g14240.1	expressed protein	Chr11	7970508	7972670 -	1	2195	3.04
LOC_Os04g33120.1	retrotransposon protein, putative, unclassified, expressed	Chr4	20049754	20053517 -	5	2965	3.04
LOC_Os09g15350.1	expressed protein	Chr9	9385278	9387636 +	4	861	3.04
LOC_Os01g71262.1	expressed protein	Chr1	41236330	41238799 -	3	1051	3.04
LOC_Os01g12230.1	peptidase C45, acyl-coenzyme A/6-aminopenicillanic acid acyl-transferase, putative, expressed	Chr1	6667854	6670442 -	6	1116	3.04
LOC_Os03g15220.1	DUF292 domain containing protein, expressed	Chr3	8327284	8328581 -	4	1145	3.04
LOC_Os04g08330.1	expressed protein	Chr4	4446649	4446960 -	2	277	3.04
LOC_Os01g13285.1	expressed protein	Chr1	7414865	7415354 -	2	474	3.04
ChrSy.fgenesh.mRNA.75	expressed protein	ChrSy	515404	517303 -	3	549	3.04
LOC_Os10g05000.1	OsFBX366 - F-box domain containing protein, expressed	Chr10	2438829	2440258 +	2	914	3.04
LOC_Os02g25680.1	expressed protein	Chr2	15033342	15034495 -	3	1091	3.04
LOC_Os11g30370.1	OsSPL19 - SBP-box gene family member, expressed	Chr11	17631609	17641511 -	4	1454	3.04
LOC_Os09g37430.1	OsSAUR48 - Auxin-responsive SAUR gene family member, expressed	Chr9	21594332	21595017 +	3	570	3.05
LOC_Os08g42120.1	transposon protein, putative, unclassified, expressed	Chr8	26613290	26619060 -	9	4665	3.05
LOC_Os08g13420.1	S-domain receptor-like protein kinase, putative, expressed	Chr8	7982559	7985538 +	3	2610	3.05
LOC_Os12g02820.1	cytidyltransferase domain containing protein, expressed	Chr12	1005447	1011142 -	9	2355	3.05
LOC_Os07g47194.3	GEX1, putative, expressed	Chr7	28210040	28213945 -	6	3192	3.06
LOC_Os07g47194.1	GEX1, putative, expressed	Chr7	28210040	28213920 -	7	2866	3.06
LOC_Os04g34140.1	U-box protein CMPG1, putative, expressed	Chr4	20690854	20692626 +	1	1805	3.06
LOC_Os11g07970.1	OsFBW2 - F-box domain and WD40 repeat containing protein, expressed	Chr11	4134329	4140479 -	9	2121	3.06
LOC_Os04g16459.1	retrotransposon protein, putative, unclassified, expressed	Chr4	8951060	8953206 -	2	1870	3.06
LOC_Os08g32660.2	expressed protein	Chr8	20223726	20226599 +	3	1320	3.06
LOC_Os10g03780.1	OsFBX351 - F-box domain containing protein, expressed	Chr10	1707818	1715027 -	10	3468	3.06
LOC_Os01g39920.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr1	22512220	22513020 +	1	833	3.07
LOC_Os05g07740.1	receptor-like protein kinase 2 precursor, putative, expressed	Chr5	4172714	4176808 +	2	4029	3.07
LOC_Os03g51260.1	expressed protein	Chr3	29323875	29326368 +	3	1621	3.07

LOC_Os09g25310.1	26S proteasome non-ATPase regulatory subunit 9, putative, expressed	Chr9	15153762	15157002 -	5	1284	3.07
LOC_Os03g01540.1	DNA binding protein, putative, expressed	Chr3	344307	347004 -	5	1501	3.08
LOC_Os10g40590.1	oxysterol-binding protein, putative, expressed	Chr10	21749421	21754862 +	10	3165	3.08
LOC_Os10g05730.1	armadillo/beta-catenin repeat family protein, putative, expressed	Chr10	2885293	2889777 -	2	2863	3.09
LOC_Os10g13810.1	glycosyltransferase family 43 protein, putative, expressed	Chr10	7499315	7503453 -	4	1903	3.09
LOC_Os01g55770.1	expressed protein	Chr1	32123247	32128053 -	2	915	3.10
LOC_Os11g35610.1	hypothetical protein	Chr11	20884500	20884860 +	2	253	3.10
LOC_Os01g10000.1	expressed protein	Chr1	5210468	5213292 -	3	489	3.10
LOC_Os01g68890.1	P21-Rho-binding domain containing protein, putative, expressed	Chr1	40030104	40031429 -	2	1279	3.10
LOC_Os05g01330.1	expressed protein	Chr5	207853	209693 -	3	654	3.10
LOC_Os03g55720.1	cytochrome b6f complex subunit, putative, expressed	Chr3	31725167	31725900 +	1	766	3.10
LOC_Os03g55720.2	cytochrome b6f complex subunit, putative, expressed	Chr3	31725102	31725900 +	2	780	3.10
LOC_Os01g53910.1	dehydrogenase, putative, expressed	Chr1	30997985	30999454 -	1	1502	3.10
LOC_Os02g41800.1	auxin response factor, putative, expressed	Chr2	25133442	25136111 +	3	2537	3.10
LOC_Os02g41800.2	auxin response factor, putative, expressed	Chr2	25133442	25136111 +	2	2654	3.10
LOC_Os06g10740.1	transposon protein, putative, unclassified, expressed	Chr6	5608404	5611437 +	4	2780	3.10
LOC_Os01g47470.1	serine/threonine-protein kinase, putative, expressed	Chr1	27130541	27134194 -	8	2657	3.11
LOC_Os06g50970.1	expressed protein	Chr6	30848411	30850264 +	4	350	3.11
LOC_Os09g10201.1	expressed protein	Chr9	5555449	5556367 -	1	951	3.11
LOC_Os05g48810.1	dnal domain containing protein, expressed	Chr5	27972291	27974607 -	3	1720	3.11
LOC_Os03g57190.1	TCP family transcription factor, putative, expressed	Chr3	32614060	32618299 +	2	1921	3.11
LOC_Os08g10604.1	pectinesterase, putative, expressed	Chr8	6242159	6243723 -	5	1410	3.11
LOC_Os12g03440.1	OsFBX436 - F-box domain containing protein, expressed	Chr12	1342002	1344257 +	3	1813	3.11
LOC_Os08g18780.1	retrotransposon protein, putative, unclassified, expressed	Chr8	11208040	11209881 +	1	1874	3.11
LOC_Os08g18840.1	retrotransposon protein, putative, unclassified, expressed	Chr8	11243813	11246472 +	2	2248	3.11
LOC_Os06g19380.1	expressed protein	Chr6	11030395	11034088 -	3	2466	3.11
LOC_Os05g14040.1	G-patch domain containing protein, expressed	Chr5	7849847	7850262 -	2	277	3.11
LOC_Os12g40390.1	expressed protein	Chr12	25004455	25007073 -	5	928	3.11
LOC_Os03g55890.1	ternary complex factor MIP1, putative, expressed	Chr3	31825506	31829685 -	12	2835	3.11
LOC_Os10g19300.1	expressed protein	Chr10	9828339	9831732 +	4	791	3.11
LOC_Os02g25680.2	expressed protein	Chr2	15029459	15034532 -	3	1192	3.11
LOC_Os02g37960.1	expressed protein	Chr2	22941281	22943116 +	1	1868	3.11
LOC_Os12g30230.1	retrotransposon protein, putative, unclassified	Chr12	18141506	18142836 +	2	352	3.11
LOC_Os10g35820.1	expressed protein	Chr10	19152303	19152971 +	1	701	3.11
LOC_Os04g38880.1	dynein light chain type 1 domain containing protein, expressed	Chr4	23108124	23110736 -	2	1171	3.11
ChrSy.fgenes.h.mRNA.26	expressed protein	ChrSy	167442	168924 +	4	722	3.12
LOC_Os12g38510.1	GRF zinc finger family protein	Chr12	23650623	23651467 +	3	777	3.12
LOC_Os01g74500.1	expressed protein	Chr1	43143717	43146789 +	11	1225	3.12
LOC_Os01g74550.1	transposon protein, putative, unclassified, expressed	Chr1	43175447	43179007 -	6	3060	3.12
LOC_Os01g16330.1	OsRhmbd2 - Putative Rhomboid homologue, expressed	Chr1	9259137	9264342 +	8	1912	3.12
LOC_Os06g12030.2	glutaredoxin domain containing protein, putative, expressed	Chr6	6440428	6447606 -	7	2906	3.13
LOC_Os06g12030.1	glutaredoxin domain containing protein, putative, expressed	Chr6	6440413	6447606 -	7	2887	3.13
LOC_Os02g57220.1	WD domain, G-beta repeat domain containing protein, expressed	Chr2	35056930	35062529 -	15	2095	3.14
LOC_Os02g55250.1	BHLH transcription factor, putative, expressed	Chr2	33833909	33838048 +	8	1648	3.14
LOC_Os07g31130.1	OsWAK72 - OsWAK receptor-like cytoplasmic kinase OsWAK-RLCK, expressed	Chr7	18416297	18420420 +	3	2924	3.15

LOC_Os05g32420.1	expressed protein	Chr5	18919319	18920501 +	1	1215	3.15
LOC_Os08g06510.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr8	3686054	3688009 -	1	1988	3.16
LOC_Os12g37530.2	expressed protein	Chr12	23030653	23035532 -	13	3315	3.16
LOC_Os03g55730.3	SSA2 - 2S albumin seed storage family protein precursor, putative, expressed	Chr3	31728025	31732265 -	4	743	3.16
LOC_Os07g40230.1	expressed protein	Chr7	24122021	24122503 -	1	515	3.17
LOC_Os03g25490.1	cytochrome P450 72A1, putative, expressed	Chr3	14559322	14561845 +	5	1906	3.17
LOC_Os03g25490.2	cytochrome P450 72A1, putative, expressed	Chr3	14559322	14561845 +	5	1911	3.17
LOC_Os05g35610.1	hypothetical protein	Chr5	21158434	21159251 -	2	397	3.17
LOC_Os05g32990.1	expressed protein	Chr5	19336656	19337633 -	2	631	3.17
LOC_Os03g44520.1	expressed protein	Chr3	25061417	25062374 +	1	990	3.17
LOC_Os02g38029.1	expressed protein	Chr2	22975504	22976636 -	2	1078	3.17
LOC_Os11g03240.1	MATE efflux family protein, putative, expressed	Chr11	1186104	1189696 +	8	1999	3.17
LOC_Os02g33460.1	transposon protein, putative, Mutator sub-class, expressed	Chr2	19895310	19899106 +	3	2963	3.17
LOC_Os06g17410.1	dof zinc finger domain containing protein, putative, expressed	Chr6	10101312	10102739 +	1	1460	3.17
LOC_Os04g30320.1	F-box/LRR-repeat protein 14, putative, expressed	Chr4	18096179	18098734 +	2	1913	3.17
LOC_Os01g41740.1	expressed protein	Chr1	23630444	23631237 +	2	709	3.17
LOC_Os06g08510.1	expressed protein	Chr6	4201213	4202867 -	2	782	3.17
LOC_Os06g25110.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr6	14694467	14697918 +	2	2746	3.17
LOC_Os12g01780.1	retrotransposon protein, putative, Ty1-copia subclass, expressed	Chr12	473751	477819 -	5	3631	3.17
LOC_Os03g32170.1	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr3	18404980	18406843 -	1	1896	3.17
LOC_Os05g25600.1	transposon protein, putative, unclassified, expressed	Chr5	14879436	14886369 +	10	2695	3.17
LOC_Os04g45280.5	histidine triad family protein, putative, expressed	Chr4	26752194	26757287 -	6	1205	3.18
LOC_Os03g17100.1	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed	Chr3	9498900	9499826 -	2	890	3.18
LOC_Os12g26770.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr12	15685076	15687320 +	3	1005	3.18
LOC_Os01g70930.1	leucoanthocyanidin dioxygenase, putative, expressed	Chr1	41057016	41058872 -	3	1529	3.18
LOC_Os04g49230.1	B3 DNA binding domain containing protein, expressed	Chr4	29366456	29368515 -	1	2092	3.18
LOC_Os12g18200.1	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr12	10506833	10515806 -	9	1809	3.18
LOC_Os10g07420.1	expressed protein	Chr10	3926310	3926756 -	1	479	3.18
LOC_Os07g26700.1	UPF0041 domain containing protein, putative, expressed	Chr7	15421670	15425213 -	6	1280	3.18
LOC_Os08g23670.1	expressed protein	Chr8	14319699	14320501 -	3	369	3.18
LOC_Os10g01560.1	serine/threonine-protein kinase, putative, expressed	Chr10	372226	375691 -	2	2470	3.18
LOC_Os08g19830.3	ubiquitin family protein, putative, expressed	Chr8	11869980	11879530 -	15	2662	3.18
LOC_Os02g47310.1	Cyclopropane-fatty-acyl-phospholipid synthase, putative, expressed	Chr2	28893961	28897548 +	6	1727	3.19
LOC_Os12g18050.1	retrotransposon protein, putative, unclassified	Chr12	10377464	10380258 -	2	1390	3.20
LOC_Os07g31500.1	leucine-rich repeat receptor protein kinase EXS precursor, putative, expressed	Chr7	18688114	18692305 -	2	4167	3.20
LOC_Os05g25040.2	expressed protein	Chr5	14489395	14494422 -	4	1944	3.20
LOC_Os07g09150.1	expressed protein	Chr7	4774603	4776611 -	2	1473	3.20
LOC_Os11g05300.1	RING-H2 finger protein, putative, expressed	Chr11	2345511	2348240 -	2	1169	3.21
LOC_Os06g07878.1	peptidase, T1 family, putative, expressed	Chr6	3832012	3833595 +	1	1616	3.21
LOC_Os06g27910.1	oleosin, putative, expressed	Chr6	15840814	15842660 +	3	1754	3.22
LOC_Os02g56390.1	transposon protein, putative, unclassified, expressed	Chr2	34521702	34527680 +	11	5167	3.22
LOC_Os09g35720.1	generative cell specific-1, putative, expressed	Chr9	20541751	20548192 -	17	2942	3.22
LOC_Os08g41430.1	LRR receptor kinase, putative, expressed	Chr8	26159872	26161589 +	2	601	3.23
LOC_Os09g03490.1	carboxylic ester hydrolase, putative, expressed	Chr9	1721391	1722404 +	3	495	3.23
LOC_Os04g44650.1	ferredoxin-thioredoxin reductase, variable chain, putative, expressed	Chr4	26431378	26432248 -	1	903	3.23

LOC_Os09g22040.1	expressed protein	Chr9	13352012	13354251 +	5	898	3.23
LOC_Os11g38500.1	OsFBDUF62 - F-box and DUF domain containing protein, expressed	Chr11	22816581	22817823 -	3	1077	3.23
LOC_Os11g10400.2	OsFBX419 - F-box domain containing protein, expressed	Chr11	5646730	5648416 -	3	1567	3.23
LOC_Os11g38250.1	expressed protein	Chr11	22658414	22660215 -	2	1706	3.23
LOC_Os06g10660.1	lysM domain-containing GPI-anchored protein 1 precursor, putative, expressed	Chr6	5559909	5563097 +	5	1752	3.23
LOC_Os05g01256.1	helix-loop-helix DNA-binding domain containing protein, expressed	Chr5	178801	181635 -	7	1887	3.23
LOC_Os05g01256.2	helix-loop-helix DNA-binding domain containing protein, expressed	Chr5	178801	181619 -	7	1908	3.23
LOC_Os09g04410.1	retrotransposon, putative, centromere-specific, expressed	Chr9	2332692	2335237 +	2	1909	3.23
LOC_Os05g43680.1	expressed protein	Chr5	25392863	25396054 -	6	915	3.23
LOC_Os06g02410.1	expressed protein	Chr6	828716	830761 -	3	1257	3.23
LOC_Os09g24210.1	expressed protein	Chr9	14368032	14373669 -	7	2774	3.23
LOC_Os08g19830.1	ubiquitin family protein, putative, expressed	Chr8	11869980	11879530 -	16	3084	3.23
LOC_Os03g26820.1	LTP152 - Protease inhibitor/seed storage/LTP family protein precursor, expressed	Chr3	15307615	15309815 +	2	976	3.23
LOC_Os12g14610.1	cysteine-rich receptor-like protein kinase 32 precursor, putative, expressed	Chr12	8341487	8347833 -	7	1682	3.23
LOC_Os05g12170.2	plant-specific domain TIGR01589 family protein, putative, expressed	Chr5	6957379	6964189 -	9	1865	3.23
LOC_Os05g12170.5	plant-specific domain TIGR01589 family protein, putative, expressed	Chr5	6957379	6964192 -	9	1878	3.23
LOC_Os05g12170.1	plant-specific domain TIGR01589 family protein, putative, expressed	Chr5	6957379	6964192 -	9	1896	3.23
LOC_Os10g20510.3	expressed protein	Chr10	10337377	10339305 +	1	1961	3.23
LOC_Os02g18150.1	expressed protein	Chr2	10540688	10543155 -	1	2500	3.23
LOC_Os05g12170.4	plant-specific domain TIGR01589 family protein, putative, expressed	Chr5	6957379	6964189 -	9	2792	3.23
LOC_Os03g19080.2	expressed protein	Chr3	10684315	10688955 +	6	3525	3.23
LOC_Os03g19080.1	expressed protein	Chr3	10684315	10688955 +	6	3630	3.23
LOC_Os03g19080.3	expressed protein	Chr3	10684315	10688955 +	6	3639	3.23
LOC_Os03g46730.3	expressed protein	Chr3	26442733	26444293 +	2	793	3.24
LOC_Os07g05040.1	cadmium-induced protein, putative, expressed	Chr7	2222928	2224916 -	3	1078	3.24
LOC_Os07g34570.1	FAD dependent oxidoreductase domain containing protein, expressed	Chr7	20724563	20726098 +	2	1522	3.24
LOC_Os07g34570.2	FAD dependent oxidoreductase domain containing protein, expressed	Chr7	20724563	20726085 +	1	1555	3.24
LOC_Os02g45850.1	B3 DNA binding domain containing protein, expressed	Chr2	27932831	27934689 -	1	1891	3.24
LOC_Os09g20500.1	transporter, putative, expressed	Chr9	12360645	12363883 +	3	2028	3.24
LOC_Os03g49830.1	expressed protein	Chr3	28390076	28392181 +	2	2030	3.24
LOC_Os10g42480.1	retrotransposon protein, putative, unclassified, expressed	Chr10	22900599	22903922 -	7	2141	3.24
LOC_Os03g14600.1	transposon protein, putative, unclassified, expressed	Chr3	7924942	7927975 +	4	2780	3.24
LOC_Os11g19420.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr11	11163585	11168111 +	4	4358	3.24
LOC_Os05g20500.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr5	12032084	12032785 -	1	734	3.24
LOC_Os01g12440.1	AP2 domain containing protein, expressed	Chr1	6813714	6815546 +	1	1865	3.24
LOC_Os06g29800.1	pentatricopeptide, putative, expressed	Chr6	17142218	17144442 -	1	2257	3.24
LOC_Os03g52550.1	retrotransposon protein, putative, unclassified, expressed	Chr3	30145383	30148308 -	8	2419	3.24
LOC_Os07g22400.1	POLA3 - Putative DNA polymerase alpha complex subunit, expressed	Chr7	12574580	12579665 -	20	2581	3.24
LOC_Os07g09384.1	expressed protein	Chr7	4940554	4944598 +	3	3445	3.24
LOC_Os07g38150.1	expressed protein	Chr7	22880416	22882065 -	2	775	3.24
LOC_Os01g51850.1	expressed protein	Chr1	29810802	29812468 -	4	1044	3.24
LOC_Os05g11700.1	PPR repeat containing protein, expressed	Chr5	6647138	6648325 +	1	1220	3.24
LOC_Os02g20490.1	expressed protein	Chr2	12086017	12089352 +	4	1447	3.24
LOC_Os02g47620.3	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr2	29098995	29101290 -	5	1713	3.24
LOC_Os02g47620.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr2	29098995	29101290 -	4	1775	3.24

LOC_Os02g47620.2	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr2	29098995	29101290 -	4	1777	3.24
LOC_Os02g29210.2	ankyrin, putative, expressed	Chr2	17327592	17335614 -	10	1920	3.24
LOC_Os02g29210.4	ankyrin, putative, expressed	Chr2	17327592	17335614 -	10	1923	3.24
LOC_Os02g29210.1	ankyrin, putative, expressed	Chr2	17327565	17335614 -	10	1994	3.24
LOC_Os03g08170.1	protein kinase APK1B, chloroplast precursor, putative, expressed	Chr3	4173178	4179255 +	5	2167	3.24
LOC_Os05g02850.1	retrotransposon protein, putative, unclassified, expressed	Chr5	1030725	1033586 +	8	2260	3.24
LOC_Os02g29210.3	ankyrin, putative, expressed	Chr2	17327592	17335593 -	9	2514	3.24
LOC_Os07g26940.3	ORM1, putative, expressed	Chr7	15602020	15604578 -	2	877	3.24
LOC_Os03g58020.1	acetyltransferase, GNAT family, putative, expressed	Chr3	33036315	33037134 +	1	852	3.24
LOC_Os11g14070.1	expressed protein	Chr11	7817973	7824131 -	3	1451	3.24
LOC_Os02g22260.1	fruit protein PKIW1502, putative, expressed	Chr2	13280849	13292533 +	5	1484	3.24
LOC_Os04g21880.1	expressed protein	Chr4	12392697	12394876 +	6	1635	3.24
LOC_Os02g09650.1	AP2 domain containing protein, expressed	Chr2	4958350	4959662 -	1	1345	3.24
LOC_Os11g06800.1	retrotransposon protein, putative, unclassified, expressed	Chr11	3330523	3331395 +	2	775	3.24
LOC_Os08g44540.1	expressed protein	Chr8	28009633	28011691 +	4	1082	3.24
LOC_Os04g45730.1	protein kinase domain containing protein, expressed	Chr4	27058376	27060119 -	2	1701	3.25
LOC_Os05g49270.1	transporter family protein, putative, expressed	Chr5	28264881	28269493 +	17	2545	3.26
LOC_Os01g22480.2	OsFBDUF4 - F-box and DUF domain containing protein, expressed	Chr1	12636380	12640675 -	4	3085	3.27
LOC_Os01g01689.1	phosphatidylinositol 3- and 4-kinase family protein, expressed	Chr1	335809	370910 +	78	11232	3.27
LOC_Os05g42030.1	transposon protein, putative, unclassified, expressed	Chr5	24601986	24604931 -	7	2063	3.28
LOC_Os01g57540.1	protein kinase, putative, expressed	Chr1	33240486	33243618 +	5	2028	3.29
LOC_Os11g02850.1	expressed protein	Chr11	961664	962843 +	2	301	3.29
LOC_Os04g59050.1	expressed protein	Chr4	35127294	35128016 +	2	690	3.29
LOC_Os09g02440.1	DCL, chloroplast precursor, putative, expressed	Chr9	1006780	1012534 -	3	871	3.29
LOC_Os03g08080.1	YGGT family protein, putative, expressed	Chr3	4129653	4131193 +	3	1229	3.29
LOC_Os02g20380.4	expressed protein	Chr2	12011145	12015514 -	7	1161	3.29
LOC_Os07g28460.1	transposon protein, putative, unclassified, expressed	Chr7	16650377	16657246 +	7	1627	3.29
LOC_Os04g51560.1	WRKY68, expressed	Chr4	30545175	30546577 +	3	1297	3.29
LOC_Os02g40680.1	mis12 protein, expressed	Chr2	24667251	24670792 +	7	1332	3.29
LOC_Os06g49640.1	uncharacterized UPF0114 domain containing protein, expressed	Chr6	30035963	30037742 -	4	1535	3.29
LOC_Os06g49640.3	uncharacterized UPF0114 domain containing protein, expressed	Chr6	30035844	30037729 -	3	1694	3.29
LOC_Os06g49640.4	uncharacterized UPF0114 domain containing protein, expressed	Chr6	30035844	30037742 -	3	1841	3.29
LOC_Os06g49640.6	uncharacterized UPF0114 domain containing protein, expressed	Chr6	30035844	30037742 -	2	1878	3.29
LOC_Os06g49640.5	uncharacterized UPF0114 domain containing protein, expressed	Chr6	30035844	30037742 -	2	1894	3.29
LOC_Os01g55700.1	NLI interacting factor-like phosphatase, putative, expressed	Chr1	32072449	32082488 -	10	1829	3.29
LOC_Os06g15630.1	retrotransposon protein, putative, unclassified, expressed	Chr6	8854013	8855635 +	2	1624	3.29
LOC_Os12g02680.1	expressed protein	Chr12	935256	937422 +	3	654	3.29
LOC_Os09g12310.1	ubiquitin-conjugating enzyme domain containing protein, expressed	Chr9	7017623	7020985 -	7	1772	3.29
LOC_Os09g30230.1	disease resistance protein RPM1, putative, expressed	Chr9	18402208	18404264 -	2	1818	3.29
LOC_Os06g01790.1	expressed protein	Chr6	454856	457580 +	5	2119	3.29
LOC_Os04g35640.1	retrotransposon protein, putative, unclassified, expressed	Chr4	21716811	21719152 +	2	2122	3.29
LOC_Os01g08870.1	expressed protein	Chr1	4453717	4454004 +	1	320	3.30
LOC_Os08g42380.1	mitochondrial import inner membrane translocase subunit Tim, putative, expressed	Chr8	26749936	26751013 -	2	322	3.30
LOC_Os07g13834.1	expressed protein	Chr7	7923176	7923749 +	1	606	3.30
LOC_Os05g32520.1	conserved hypothetical protein	Chr5	19001474	19004176 -	3	1758	3.30

LOC_Os04g39080.1	OsFBX140 - F-box domain containing protein, expressed	Chr4	23226180	23228272 -	3	1804	3.30
LOC_Os08g09370.1	polyprenyl synthetase, putative, expressed	Chr8	5435582	5439963 +	12	1932	3.30
LOC_Os03g12414.1	cyclin, putative, expressed	Chr3	6556387	6562025 -	9	2888	3.30
LOC_Os03g12414.2	cyclin, putative, expressed	Chr3	6556387	6562025 -	8	2931	3.30
LOC_Os03g48840.2	ribosomal L18p/L5e family protein, putative, expressed	Chr3	27823047	27825718 +	4	1033	3.30
LOC_Os01g65904.1	expressed protein	Chr1	38273297	38274818 +	1	1554	3.30
LOC_Os01g01689.3	phosphatidylinositol 3- and 4-kinase family protein, expressed	Chr1	335809	371191 +	76	11458	3.30
LOC_Os07g27650.1	expressed protein	Chr7	16145179	16145771 +	2	565	3.30
LOC_Os12g40150.1	expressed protein	Chr12	24826746	24828462 -	4	647	3.30
LOC_Os01g70830.1	esterase PIR7A, putative, expressed	Chr1	40999828	41000884 -	4	803	3.30
LOC_Os10g08879.3	nucleotide-sensitive chloride conductance regulator containing protein, expressed	Chr10	4800430	4806890 +	3	1064	3.30
LOC_Os09g35850.1	RNA recognition motif containing protein, putative, expressed	Chr9	20629717	20633528 +	6	1389	3.30
LOC_Os03g15930.3	OTU-like cysteine protease family protein, putative, expressed	Chr3	8790747	8795738 +	7	1398	3.30
LOC_Os01g09740.1	F-box/LRR-repeat protein, putative, expressed	Chr1	5017893	5020150 -	2	1817	3.30
LOC_Os02g15670.1	expressed protein	Chr2	8824994	8825380 +	1	419	3.30
LOC_Os10g22180.1	expressed protein	Chr10	11464016	11465615 -	5	637	3.30
LOC_Os02g30760.1	expressed protein	Chr2	18327196	18327730 -	1	567	3.30
LOC_Os06g33520.1	DEAD/DEAH box helicase, putative, expressed	Chr6	19516630	19524702 -	10	3782	3.30
LOC_Os09g32500.1	60S ribosomal protein L32, putative, expressed	Chr9	19398908	19401072 +	4	933	3.31
LOC_Os09g32500.2	60S ribosomal protein L32, putative, expressed	Chr9	19398925	19401072 +	4	921	3.31
LOC_Os10g21212.1	photosystem II 44 kDa reaction center protein, putative, expressed	Chr10	10817033	10818454 +	1	1454	3.31
LOC_Os05g07120.2	basic helix-loop-helix, putative, expressed	Chr5	3756663	3759787 +	3	1103	3.32
LOC_Os02g16630.1	tryptophan biosynthesis protein trpCF, putative, expressed	Chr2	9502442	9505462 +	5	1879	3.32
LOC_Os02g01550.1	OsFBL6 - F-box domain and LRR containing protein, expressed	Chr2	311537	316458 -	5	2128	3.32
LOC_Os02g01550.2	OsFBL6 - F-box domain and LRR containing protein, expressed	Chr2	311537	316458 -	5	2122	3.32
LOC_Os06g25890.1	retrotransposon protein, putative, unclassified, expressed	Chr6	15138072	15143579 +	3	4800	3.32
LOC_Os01g16510.1	expressed protein	Chr1	9370599	9373674 +	5	1361	3.32
LOC_Os08g18740.1	zinc knuckle family protein, expressed	Chr8	11187663	11192957 +	2	5086	3.32
LOC_Os11g17260.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr11	9614428	9617361 +	2	2152	3.32
LOC_Os05g37970.1	universal stress protein domain containing protein, putative, expressed	Chr5	22276282	22278729 +	3	2354	3.33
LOC_Os01g03020.1	tRNA synthetase class I, putative, expressed	Chr1	1145829	1155094 -	20	3765	3.33
LOC_Os01g18210.1	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr1	10193643	10196775 +	6	1359	3.34
LOC_Os03g14450.1	enolase, putative, expressed	Chr3	7847992	7852823 -	17	2357	3.34
LOC_Os11g04980.2	acyl-CoA synthetase protein, putative, expressed	Chr11	2131895	2141398 -	23	3518	3.34
LOC_Os11g04980.1	acyl-CoA synthetase protein, putative, expressed	Chr11	2131895	2141398 -	23	3524	3.34
LOC_Os05g28370.2	expressed protein	Chr5	16622072	16625788 -	4	1541	3.35
LOC_Os02g02010.1	expressed protein	Chr2	558915	559965 +	3	660	3.35
LOC_Os02g03430.1	expressed protein	Chr2	1397688	1399034 +	4	907	3.35
LOC_Os07g09590.1	bHLH transcription factor, putative, expressed	Chr7	5082119	5084790 -	6	963	3.35
LOC_Os05g51440.1	hsp20/alpha crystallin family protein, putative, expressed	Chr5	29494574	29495716 +	2	1059	3.35
LOC_Os09g34030.1	expressed protein	Chr9	20084418	20084895 +	2	286	3.35
LOC_Os06g47940.1	nifU, putative, expressed	Chr6	28993796	28995033 +	4	1047	3.35
LOC_Os03g05410.1	expressed protein	Chr3	2667501	2669000 -	2	1483	3.35
LOC_Os05g50170.2	ATPCME, putative, expressed	Chr5	28746904	28751809 -	12	1994	3.35
LOC_Os03g01014.1	expressed protein	Chr3	13193	16729 +	9	2298	3.35

LOC_Os09g36040.1	rhodanese-like domain containing protein, putative, expressed	Chr9	20751729	20754649 +	6	1408	3.35
LOC_Os09g32960.1	expressed protein	Chr9	19671224	19673501 +	2	1090	3.35
LOC_Os04g41820.1	transcription factor RF2a, putative, expressed	Chr4	24769903	24773347 -	4	1538	3.35
LOC_Os05g19000.1	expressed protein	Chr5	11025510	11027958 +	4	1898	3.35
LOC_Os08g43140.1	expressed protein	Chr8	27292449	27293040 +	1	624	3.35
LOC_Os02g48590.1	expressed protein	Chr2	29745546	29747414 +	2	1101	3.35
LOC_Os01g65630.1	expressed protein	Chr1	38101544	38102991 -	3	1102	3.35
LOC_Os01g65630.2	expressed protein	Chr1	38101544	38102991 -	2	1150	3.35
LOC_Os03g48480.1	thioesterase family protein, putative, expressed	Chr3	27644551	27647533 -	3	1168	3.35
LOC_Os03g22780.1	DVR, putative, expressed	Chr3	13155800	13157404 -	1	1637	3.35
LOC_Os06g12360.1	pentatricopeptide, putative, expressed	Chr6	6696666	6700782 +	6	2958	3.35
LOC_Os01g38490.1	expressed protein	Chr1	21627154	21627998 -	1	877	3.35
LOC_Os03g46730.1	expressed protein	Chr3	26442702	26444359 +	2	825	3.35
LOC_Os05g07120.1	basic helix-loop-helix, putative, expressed	Chr5	3756476	3759789 +	3	1152	3.35
LOC_Os05g17970.1	retrotransposon protein, putative, unclassified, expressed	Chr5	10327611	10330542 -	8	2551	3.36
LOC_Os04g49260.1	heavy metal-associated domain containing protein, expressed	Chr4	29408862	29409617 -	2	678	3.36
LOC_Os10g04600.3	OsFBX359 - F-box domain containing protein, expressed	Chr10	2191954	2194603 +	3	1954	3.36
LOC_Os11g10750.1	OsSCP48 - Putative Serine Carboxypeptidase homologue, expressed	Chr11	5898648	5902693 -	10	2243	3.36
LOC_Os10g04780.1	OsFBX363 - F-box domain containing protein, expressed	Chr10	2299438	2300571 -	1	1166	3.36
LOC_Os08g01274.1	expressed protein	Chr8	177152	182546 +	4	1901	3.36
LOC_Os01g11340.1	cytochrome P450, putative, expressed	Chr1	6076688	6078711 -	1	2056	3.36
LOC_Os07g48340.2	OsCML24 - Calmodulin-related calcium sensor protein, expressed	Chr7	28889110	28890529 +	2	1248	3.36
LOC_Os12g18130.2	expressed protein	Chr12	10454432	10458548 -	3	764	3.36
LOC_Os06g23504.1	DTW domain containing protein, putative, expressed	Chr6	13704784	13716851 +	7	2247	3.36
LOC_Os02g51910.1	cytokinin-O-glucosyltransferase 2, putative, expressed	Chr2	31791009	31793891 -	2	2749	3.37
LOC_Os09g38772.1	MOSC domain-containing protein, mitochondrial precursor, putative, expressed	Chr9	22278292	22281049 +	8	1544	3.37
LOC_Os02g55910.2	monogalactosyldiacylglycerol synthase, putative, expressed	Chr2	34223738	34227621 +	7	2100	3.37
LOC_Os03g38260.1	60S ribosomal protein L19-3, putative, expressed	Chr3	21238601	21240862 -	5	1099	3.37
LOC_Os01g06300.1	transposon protein, putative, unclassified, expressed	Chr1	2991397	2997317 -	10	4778	3.38
LOC_Os03g08050.1	elongation factor Tu, putative, expressed	Chr3	4111409	4113361 +	2	1408	3.39
LOC_Os04g42451.1	expressed protein	Chr4	25121049	25122693 -	3	1350	3.39
LOC_Os01g17065.1	expressed protein	Chr1	9809343	9810633 -	2	443	3.39
LOC_Os10g40960.1	oxidoreductase, 2OG-Fe oxygenase family protein, putative, expressed	Chr10	21995563	21997584 -	3	1310	3.39
LOC_Os01g27390.1	glutathione S-transferase, putative, expressed	Chr1	15291669	15294415 +	3	1021	3.39
LOC_Os09g20010.1	SNF1-related protein kinase regulatory subunit beta-2, putative, expressed	Chr9	11985971	11989563 +	4	916	3.40
LOC_Os03g54084.1	phytochrome C, putative, expressed	Chr3	31004724	31009782 +	4	4132	3.40
LOC_Os12g07190.1	CBS domain-containing protein, putative, expressed	Chr12	3531359	3536426 -	14	2580	3.40
LOC_Os04g31240.1	hydrolase, alpha/beta fold family protein, putative, expressed	Chr4	18690646	18694747 +	8	1531	3.40
LOC_Os02g45500.1	expressed protein	Chr2	27680241	27681375 +	3	813	3.41
LOC_Os10g36860.1	CRS1/YhbY domain containing protein, expressed	Chr10	19747202	19749626 -	2	1105	3.41
LOC_Os03g22259.1	expressed protein	Chr3	12764508	12765877 +	1	1402	3.41
LOC_Os03g38230.1	peptidase M50 family protein, putative, expressed	Chr3	21223996	21225936 -	1	1973	3.41
LOC_Os04g39440.3	ras-related protein, putative, expressed	Chr4	23492935	23494783 +	5	1261	3.41
LOC_Os01g08660.1	aquaporin protein, putative, expressed	Chr1	4313645	4315834 -	3	1284	3.41
LOC_Os06g40790.1	MLO domain containing protein, putative, expressed	Chr6	24332453	24338112 -	11	1648	3.41

LOC_Os04g43230.1	expressed protein	Chr4	25580894	25583161 -	5	1863	3.41
LOC_Os04g43230.2	expressed protein	Chr4	25580894	25583161 -	4	1906	3.41
LOC_Os01g10130.1	RNA-dependent RNA polymerase, putative, expressed	Chr1	5288135	5293325 -	8	1965	3.41
LOC_Os12g34100.1	expressed protein	Chr12	20641716	20644530 -	1	2847	3.41
LOC_Os12g42600.1	ubiquitin carboxyl-terminal hydrolase domain containing protein, expressed	Chr12	26454955	26461338 +	15	3061	3.41
LOC_Os09g31438.1	OsSPL17 - SBP-box gene family member, expressed	Chr9	18918260	18921656 -	4	1605	3.41
LOC_Os05g08800.1	DUF581 domain containing protein, expressed	Chr5	4837556	4839861 -	3	1690	3.41
LOC_Os01g65940.2	expressed protein	Chr1	38283814	38286794 -	6	1738	3.41
LOC_Os09g37410.1	OsSAUR46 - Auxin-responsive SAUR gene family member, expressed	Chr9	21590478	21590900 +	1	455	3.41
LOC_Os09g28580.1	expressed protein	Chr9	17390968	17392541 -	3	662	3.41
LOC_Os01g01980.1	expressed protein	Chr1	529367	530008 -	1	674	3.41
LOC_Os04g39440.2	ras-related protein, putative, expressed	Chr4	23492935	23495366 +	6	1287	3.41
LOC_Os03g02770.1	expressed protein	Chr3	1077384	1079382 -	2	1978	3.41
LOC_Os03g02770.2	expressed protein	Chr3	1077384	1079382 -	1	2031	3.41
LOC_Os01g67530.1	AMP-binding enzyme, putative, expressed	Chr1	39252983	39256753 +	6	2206	3.41
LOC_Os12g41910.1	BTBN25 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 ↑	Chr12	25977555	25983016 -	5	2944	3.41
LOC_Os12g41910.2	BTBN25 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 ↑	Chr12	25977555	25983016 -	4	3147	3.41
LOC_Os10g16680.1	retrotransposon protein, putative, unclassified	Chr10	8317539	8317910 -	1	404	3.41
LOC_Os10g23090.1	homeobox associated leucine zipper, putative, expressed	Chr10	12041604	12043235 +	2	1504	3.41
LOC_Os04g49250.1	UDP-glucose/GDP-mannose dehydrogenase family, central domain containing protein, expressed	Chr4	29391121	29392759 +	1	1671	3.41
LOC_Os12g40780.1	ankyrin repeat domain-containing protein 44, putative, expressed	Chr12	25242398	25246789 +	12	2003	3.41
LOC_Os11g12800.1	glycerophosphoryl diester phosphodiesterase family protein, putative, expressed	Chr11	7250435	7254534 -	9	1734	3.41
LOC_Os06g41480.1	vrga1, putative, expressed	Chr6	24866897	24871210 +	3	3998	3.41
LOC_Os04g45280.3	histidine triad family protein, putative, expressed	Chr4	26754330	26757287 -	6	1191	3.41
LOC_Os02g39280.1	C2 domain containing protein, putative, expressed	Chr2	23720437	23726180 +	16	2090	3.41
LOC_Os08g31930.1	BRCA1 C Terminus domain containing protein, expressed	Chr8	19796449	19801162 +	7	2309	3.41
LOC_Os08g03676.1	pentatricopeptide, putative, expressed	Chr8	1749850	1752468 +	1	2651	3.41
LOC_Os01g70260.1	receptor-like protein kinase 2 precursor, putative, expressed	Chr1	40679577	40683903 +	3	2811	3.41
LOC_Os01g70260.2	receptor-like protein kinase 2 precursor, putative, expressed	Chr1	40679577	40683903 +	2	2931	3.41
LOC_Os03g01720.1	protein binding protein, putative, expressed	Chr3	452399	459305 +	12	3258	3.41
LOC_Os02g24632.1	photosystem II 44 kDa reaction center protein, putative, expressed	Chr2	14285072	14286627 -	1	1588	3.41
LOC_Os01g29740.1	expressed protein	Chr1	16659734	16664416 +	3	891	3.41
LOC_Os06g27760.2	peptide methionine sulfoxide reductase msrB, putative, expressed	Chr6	15719230	15721373 -	4	1150	3.41
LOC_Os05g29974.1	lipase, putative, expressed	Chr5	17336715	17344202 +	8	2518	3.42
LOC_Os12g08725.1	retrotransposon protein, putative, unclassified, expressed	Chr12	4456832	4460433 -	4	3194	3.42
LOC_Os05g44900.1	expressed protein	Chr5	26094627	26095922 +	2	1265	3.42
LOC_Os01g01560.1	transposon protein, putative, unclassified, expressed	Chr1	284911	292118 -	5	2400	3.42
LOC_Os06g20080.1	expressed protein	Chr6	11512551	11512709 +	1	191	3.42
LOC_Os03g38520.1	expressed protein	Chr3	21378137	21382233 +	4	803	3.42
LOC_Os02g46120.2	regulatory protein, putative, expressed	Chr2	28108632	28113427 -	5	3766	3.42
LOC_Os11g16480.2	transposon protein, putative, unclassified, expressed	Chr11	9115882	9118470 -	6	1351	3.43
LOC_Os08g41690.1	expressed protein	Chr8	26314755	26317837 -	3	2621	3.43
LOC_Os07g33850.2	ras-related protein, putative, expressed	Chr7	20249139	20253102 +	6	2183	3.44
LOC_Os03g62280.1	expressed protein	Chr3	35284998	35287322 +	3	883	3.44
LOC_Os03g62280.2	expressed protein	Chr3	35284998	35287389 +	4	1426	3.44

LOC_Os02g16660.2	cbxX, chromosomal, putative, expressed	Chr2	9514333	9518278 -	7	2137	3.45
LOC_Os02g16660.1	cbxX, chromosomal, putative, expressed	Chr2	9514333	9518285 -	7	2119	3.45
LOC_Os10g19970.1	expressed protein	Chr10	10022541	10023354 +	1	846	3.45
LOC_Os09g05020.2	tyrosine phosphatase family protein, putative, expressed	Chr9	2697267	2702745 +	6	1596	3.45
LOC_Os05g08390.1	expressed protein	Chr5	4578891	4579559 -	1	701	3.46
LOC_Os06g50460.1	expressed protein	Chr6	30555601	30557078 +	3	771	3.46
LOC_Os12g01540.1	expressed protein	Chr12	324731	328238 +	6	891	3.46
LOC_Os03g05240.1	retrotransposon protein, putative, unclassified, expressed	Chr3	2538820	2539983 +	1	1196	3.46
LOC_Os01g10504.2	OsMADS3 - MADS-box family gene with MIKCC type-box, expressed	Chr1	5559548	5568844 -	10	1754	3.46
LOC_Os07g45120.1	expressed protein	Chr7	26934311	26937417 +	1	3139	3.46
LOC_Os07g22270.1	transposon protein, putative, Ac/Ds sub-class, expressed	Chr7	12482292	12486838 -	8	3466	3.46
LOC_Os05g50360.1	anaphase-promoting complex subunit 10, putative, expressed	Chr5	28854805	28857818 +	6	1207	3.46
LOC_Os02g19650.3	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr2	11484328	11488304 -	11	2054	3.46
LOC_Os01g48874.1	wax synthase, putative, expressed	Chr1	28032816	28051830 -	7	2415	3.46
LOC_Os06g11640.1	serine/threonine-protein phosphatase 2A activator 2, putative, expressed	Chr6	6171585	6176329 -	2	1803	3.46
LOC_Os09g04690.1	expressed protein	Chr9	2497167	2497809 -	2	445	3.46
LOC_Os09g35900.1	expressed protein	Chr9	20659712	20660371 +	1	692	3.46
LOC_Os06g12040.1	mTERF family protein, expressed	Chr6	6452737	6454454 -	1	1750	3.46
LOC_Os02g49890.1	retrotransposon protein, putative, unclassified, expressed	Chr2	30481829	30484760 +	8	2296	3.46
LOC_Os12g03980.1	expressed protein	Chr12	1651422	1652037 -	2	253	3.46
LOC_Os06g06420.1	glyoxalase/bleomycin resistance protein/dioxygenase, putative, expressed	Chr6	2995767	2997991 +	3	722	3.46
LOC_Os01g01090.1	retrotransposon protein, putative, unclassified, expressed	Chr1	44595	47526 +	8	2665	3.46
LOC_Os01g01610.1	IscA-like iron-sulfur assembly protein, mitochondrial precursor, putative, expressed	Chr1	306869	308842 -	4	965	3.46
LOC_Os02g46620.1	expressed protein	Chr2	28453885	28454909 +	1	1057	3.46
LOC_Os08g43760.1	carrier, putative, expressed	Chr8	27645208	27646253 +	1	1078	3.46
LOC_Os06g03980.1	expressed protein	Chr6	1613664	1620183 -	15	2323	3.46
LOC_Os02g05470.1	CCT motif family protein, expressed	Chr2	2638417	2642111 +	3	2453	3.46
LOC_Os04g21450.1	retrotransposon, putative, centromere-specific	Chr4	12126676	12128323 -	5	1480	3.47
LOC_Os03g06680.1	plant-specific domain TIGR01615 family protein, expressed	Chr3	3379732	3381772 +	2	1993	3.47
LOC_Os01g39134.2	EF hand family protein, putative, expressed	Chr1	22025915	22027269 -	3	1229	3.47
LOC_Os08g16960.1	retrotransposon protein, putative, unclassified	Chr8	10383446	10385887 +	2	1930	3.47
LOC_Os04g44780.2	beta-expansin precursor, putative, expressed	Chr4	26518761	26522056 +	3	1518	3.47
LOC_Os04g44780.1	beta-expansin precursor, putative, expressed	Chr4	26517446	26522055 +	4	1674	3.47
LOC_Os07g10495.1	expressed protein	Chr7	5652015	5653854 +	7	977	3.47
LOC_Os12g01680.1	macrophage migration inhibitory factor, putative, expressed	Chr12	411252	413211 +	3	930	3.47
LOC_Os08g07840.1	Poll-like DNA polymerase, putative, expressed	Chr8	4390729	4400757 -	12	4481	3.47
LOC_Os11g32280.2	acetyltransferase, GNAT family, putative, expressed	Chr11	19076279	19079312 -	4	695	3.47
LOC_Os04g16762.1	photosystem I assembly protein ycf3, putative	Chr4	9131244	9133216 -	3	606	3.47
LOC_Os08g33540.1	ATP-dependent Clp protease adaptor protein ClpS containing protein, expressed	Chr8	20945056	20947979 -	3	1022	3.47
LOC_Os04g45280.1	histidine triad family protein, putative, expressed	Chr4	26754330	26757287 -	6	1252	3.47
LOC_Os11g12800.3	glycerophosphoryl diester phosphodiesterase family protein, putative, expressed	Chr11	7250435	7254534 -	8	1797	3.47
LOC_Os12g38180.1	heat shock cognate 70 kDa protein 2, putative, expressed	Chr12	23442170	23447194 +	2	3714	3.48
LOC_Os01g07330.3	expressed protein	Chr1	3456200	3464954 -	17	4331	3.48
LOC_Os10g38216.1	photosystem I assembly protein ycf3, putative, expressed	Chr10	20469945	20471922 +	3	606	3.48
LOC_Os01g57966.1	photosystem I assembly protein ycf3, putative, expressed	Chr1	33527626	33529604 -	3	606	3.49

LOC_Os08g09780.1	expressed protein	Chr8	5652681	5655649 +	5	2239	3.49
LOC_Os08g09780.2	expressed protein	Chr8	5652681	5655649 +	4	2374	3.49
LOC_Os09g27370.2	Spc97 / Spc98 family protein, putative, expressed	Chr9	16633330	16636149 +	2	2794	3.49
LOC_Os04g12900.1	glucosyltransferase, putative, expressed	Chr4	7128690	7130895 +	5	1174	3.50
LOC_Os12g05370.1	RING-H2 finger protein, putative, expressed	Chr12	2426128	2429786 -	5	1123	3.50
LOC_Os04g43440.2	NB-ARC/LRR disease resistance protein, putative, expressed	Chr4	25708299	25712547 -	2	632	3.51
LOC_Os03g48440.1	expressed protein	Chr3	27583885	27587124 -	5	781	3.51
LOC_Os09g14300.1	retrotransposon protein, putative, unclassified	Chr9	8452141	8452900 -	2	502	3.51
LOC_Os06g39240.2	endothelial differentiation-related factor 1, putative, expressed	Chr6	23293234	23294078 -	2	720	3.51
LOC_Os06g39240.1	endothelial differentiation-related factor 1, putative, expressed	Chr6	23293234	23294073 -	1	872	3.51
LOC_Os05g03030.1	50S ribosomal protein L10, chloroplast precursor, putative, expressed	Chr5	1146189	1147106 -	1	950	3.51
LOC_Os02g01275.1	expressed protein	Chr2	152788	153882 +	1	1127	3.51
LOC_Os12g11820.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr12	6415009	6416870 -	2	945	3.51
LOC_Os03g05220.2	expressed protein	Chr3	2530961	2531703 +	2	532	3.51
LOC_Os01g19380.1	pentatricopeptide, putative, expressed	Chr1	10965000	10968073 +	4	1514	3.51
LOC_Os10g28680.1	DUF581 domain containing protein, expressed	Chr10	14960578	14962880 -	3	1721	3.51
LOC_Os03g13400.1	ZOS3-06 - C2H2 zinc finger protein, expressed	Chr3	7237162	7241445 -	3	1832	3.51
LOC_Os04g44610.1	white-brown complex homolog protein 11, putative, expressed	Chr4	26395912	26401662 +	10	3000	3.51
LOC_Os08g05660.1	expressed protein	Chr8	3022572	3026785 -	10	1859	3.51
LOC_Os01g72670.3	expressed protein	Chr1	42162592	42166462 -	9	2019	3.51
LOC_Os01g72670.1	expressed protein	Chr1	42162484	42166462 -	8	2029	3.51
LOC_Os06g12030.3	glutaredoxin domain containing protein, putative, expressed	Chr6	6443327	6447392 -	5	2212	3.51
LOC_Os01g24980.2	naringenin,2-oxoglutarate 3-dioxygenase, putative, expressed	Chr1	14079227	14080716 +	3	1388	3.51
LOC_Os07g26420.1	expressed protein	Chr7	15184580	15187303 +	6	1539	3.51
LOC_Os04g20280.1	expressed protein	Chr4	11335426	11338820 +	10	1685	3.51
LOC_Os04g20280.2	expressed protein	Chr4	11335426	11338820 +	9	1773	3.51
LOC_Os01g24980.1	naringenin,2-oxoglutarate 3-dioxygenase, putative, expressed	Chr1	14077629	14080716 +	5	1878	3.51
LOC_Os07g20370.1	retrotransposon, putative, centromere-specific, expressed	Chr7	11761686	11767394 +	7	1958	3.51
LOC_Os07g02590.2	expressed protein	Chr7	928540	931304 -	2	2066	3.51
LOC_Os12g23520.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr12	13300352	13315559 +	16	6684	3.51
LOC_Os10g09200.1	expressed protein	Chr10	4966522	4969996 +	5	610	3.51
LOC_Os09g36000.1	expressed protein	Chr9	20741659	20742774 -	1	1148	3.51
LOC_Os07g34950.1	uncharacterized membrane protein, putative, expressed	Chr7	20936091	20941652 +	6	1446	3.51
LOC_Os05g18910.1	retrotransposon protein, putative, unclassified, expressed	Chr5	10978604	10981531 +	7	2559	3.51
LOC_Os06g36530.1	hAT dimerisation domain-containing protein, putative, expressed	Chr6	21461006	21463644 -	2	2614	3.51
LOC_Os09g32740.1	ubiquitin carboxyl-terminal hydrolase family protein, expressed	Chr9	19522112	19527787 -	3	4048	3.51
LOC_Os05g46920.1	expressed protein	Chr5	27150614	27153839 +	4	2226	3.52
LOC_Os05g49990.1	expressed protein	Chr5	28667173	28668899 +	2	711	3.52
LOC_Os06g03790.1	39S ribosomal protein L47, mitochondrial precursor, putative, expressed	Chr6	1512795	1516434 +	3	1032	3.52
LOC_Os03g15290.1	beclin-1, putative, expressed	Chr3	8369347	8370978 +	1	1664	3.52
LOC_Os08g16940.1	ZOS8-01 - C2H2 zinc finger protein, expressed	Chr8	10372707	10374868 -	2	1743	3.52
LOC_Os03g19059.1	anaphase-promoting complex subunit 11, putative, expressed	Chr3	10672583	10674058 +	2	1047	3.52
LOC_Os02g05470.2	CCT motif family protein, expressed	Chr2	2638417	2642064 +	3	2444	3.52
LOC_Os09g37040.1	DUF630/DUF632 domains containing protein, putative, expressed	Chr9	21366391	21370393 +	4	2622	3.52
LOC_Os01g55570.3	expressed protein	Chr1	32014524	32016278 +	6	966	3.52

LOC_Os05g44300.1	plant-specific domain TIGR01615 family protein, expressed	Chr5	25776476	25778593 -	3	1396	3.52
LOC_Os08g26260.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr8	16008797	16011637 +	2	1448	3.52
LOC_Os01g67600.1	CXE carboxylesterase, putative, expressed	Chr1	39296926	39299837 -	2	1944	3.52
LOC_Os01g56640.2	transcription factor jumonji, putative, expressed	Chr1	32677412	32681407 -	7	3122	3.52
LOC_Os01g42980.3	ribosomal protein L22, putative, expressed	Chr1	24480855	24482542 +	4	947	3.52
LOC_Os10g21020.1	expressed protein	Chr10	10653202	10654972 -	3	949	3.52
LOC_Os03g53740.1	expressed protein	Chr3	30809029	30810138 +	3	997	3.52
LOC_Os04g53010.1	transposon protein, putative, unclassified, expressed	Chr4	31569285	31575203 +	13	4487	3.52
LOC_Os05g07950.1	OsFBX160 - F-box domain containing protein, expressed	Chr5	4309096	4310422 -	4	632	3.52
LOC_Os01g52650.1	POEI44 - Pollen Ole e I allergen and extensin family protein precursor, expressed	Chr1	30263383	30264381 -	2	959	3.52
LOC_Os08g34150.1	OsTIL-2 Temperature-induced lipocalin-2, expressed	Chr8	21407407	21408779 +	2	1342	3.52
LOC_Os03g03530.1	expressed protein	Chr3	1525179	1527103 -	3	721	3.52
LOC_Os05g41010.1	oxidoreductase, putative, expressed	Chr5	24040970	24043906 +	7	1928	3.53
LOC_Os02g52820.1	cold-induced protein, putative, expressed	Chr2	32295320	32298691 +	5	1865	3.53
LOC_Os12g03700.1	expressed protein	Chr12	1494517	1495560 -	1	1076	3.54
LOC_Os04g51800.1	MYB protein, putative, expressed	Chr4	30702497	30710998 +	11	1012	3.54
LOC_Os04g38830.1	transposon protein, putative, unclassified, expressed	Chr4	23088970	23091700 -	2	2410	3.54
LOC_Os07g02000.1	expressed protein	Chr7	607681	608705 +	3	858	3.55
LOC_Os06g44374.1	protein transport protein SEC61 subunit gamma, putative, expressed	Chr6	26782832	26784850 -	3	690	3.55
LOC_Os07g36500.1	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed	Chr7	21827213	21827867 +	1	687	3.56
LOC_Os04g59590.3	methyltransferase, putative, expressed	Chr4	35434964	35438403 +	8	2392	3.56
LOC_Os04g59590.2	methyltransferase, putative, expressed	Chr4	35434949	35438404 +	8	2411	3.56
LOC_Os12g25640.1	SAP domain containing protein, expressed	Chr12	14838519	14845431 -	6	1092	3.56
LOC_Os06g16890.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr6	9788143	9794804 +	3	5448	3.56
LOC_Os05g50170.1	ATPCME, putative, expressed	Chr5	28745289	28751809 -	12	2041	3.56
LOC_Os02g04750.2	cycloartenol synthase, putative, expressed	Chr2	2161769	2166648 -	13	2101	3.56
LOC_Os02g04750.1	cycloartenol synthase, putative, expressed	Chr2	2161769	2166648 -	13	2137	3.56
LOC_Os02g04750.3	cycloartenol synthase, putative, expressed	Chr2	2161769	2166648 -	12	2153	3.56
LOC_Os04g16742.1	NADPH-dependent oxidoreductase, putative, expressed	Chr4	9116367	9118611 -	2	1597	3.56
LOC_Os04g16854.1	NADPH-dependent oxidoreductase, putative, expressed	Chr4	9164684	9166928 -	2	1597	3.56
LOC_Os01g65620.1	expressed protein	Chr1	38098937	38099628 -	1	724	3.56
LOC_Os08g03860.1	expressed protein	Chr8	1840446	1841245 +	2	781	3.56
LOC_Os03g03470.1	expressed protein	Chr3	1499639	1504242 -	9	1557	3.56
LOC_Os05g01444.1	polygalacturonase inhibitor precursor, putative, expressed	Chr5	256779	258432 +	1	1686	3.56
LOC_Os06g05950.1	expressed protein	Chr6	2724131	2726538 -	7	1711	3.56
LOC_Os05g30700.1	expressed protein	Chr5	17779880	17781811 +	2	1797	3.56
LOC_Os07g10730.1	polygalacturonase, putative, expressed	Chr7	5822834	5824007 +	3	882	3.56
LOC_Os07g10880.1	expressed protein	Chr7	5944731	5946227 +	1	1529	3.56
LOC_Os03g02840.4	remorin family protein, putative, expressed	Chr3	1109242	1112730 -	6	1722	3.56
LOC_Os03g02840.1	remorin family protein, putative, expressed	Chr3	1109242	1113045 -	6	1774	3.56
LOC_Os09g36690.1	expressed protein	Chr9	21162243	21163619 +	3	768	3.56
LOC_Os05g47820.2	expressed protein	Chr5	27413101	27414368 -	3	1152	3.56
LOC_Os01g44250.1	CBS domain containing membrane protein, putative, expressed	Chr1	25368481	25371011 +	7	1540	3.56
LOC_Os10g07080.1	expressed protein	Chr10	3727965	3730365 +	2	1658	3.56
LOC_Os05g47820.1	expressed protein	Chr5	27412286	27414407 -	3	2006	3.56

LOC_Os07g02590.1	expressed protein	Chr7	928495	931304 -	2	2048	3.56
LOC_Os10g21216.1	uncharacterized protein ycf70, putative	Chr10	10821197	10821466 -	1	302	3.56
LOC_Os05g41890.1	expressed protein	Chr5	24533226	24535879 -	3	933	3.56
LOC_Os10g16930.1	expressed protein	Chr10	8462628	8464599 +	4	503	3.56
LOC_Os05g49990.3	expressed protein	Chr5	28667173	28668904 +	3	794	3.56
LOC_Os04g47900.1	ATTIM23-2, putative, expressed	Chr4	28479502	28480356 -	1	887	3.56
LOC_Os08g39170.1	expressed protein	Chr8	24734910	24738361 -	3	1950	3.56
LOC_Os10g25020.1	red chlorophyll catabolite reductase, putative, expressed	Chr10	12879408	12880295 -	3	606	3.57
LOC_Os11g40570.3	plant viral response family protein, putative, expressed	Chr11	24210646	24214314 -	2	1743	3.57
LOC_Os11g40570.1	plant viral response family protein, putative, expressed	Chr11	24210675	24214593 -	3	1809	3.57
LOC_Os11g40570.2	plant viral response family protein, putative, expressed	Chr11	24210646	24214593 -	3	1829	3.57
LOC_Os01g43010.2	transposon protein, putative, unclassified, expressed	Chr1	24491925	24497895 +	6	3325	3.57
LOC_Os11g12660.1	transposon protein, putative, unclassified, expressed	Chr11	7133222	7138346 +	9	3921	3.57
LOC_Os06g06810.1	OsSub49 - Putative Subtilisin homologue, expressed	Chr6	3213518	3219042 +	6	3082	3.57
LOC_Os09g30170.3	F-box protein interaction domain containing protein, expressed	Chr9	18360671	18364013 +	4	2373	3.57
LOC_Os12g18150.1	ZOS12-04 - C2H2 zinc finger protein, expressed	Chr12	10468182	10478398 -	7	4930	3.57
LOC_Os11g03130.1	E2F-related protein, putative, expressed	Chr11	1128553	1130425 +	2	1057	3.57
LOC_Os07g48770.1	serine hydrolase domain containing protein, expressed	Chr7	29195071	29197465 -	6	1301	3.57
LOC_Os09g28750.1	gibberellin receptor GID1L2, putative, expressed	Chr9	17471021	17472213 -	1	1225	3.57
LOC_Os02g45150.2	expressed protein	Chr2	27386916	27388941 +	1	2058	3.57
LOC_Os02g42570.1	ferredoxin-thioredoxin reductase, variable chain, putative, expressed	Chr2	25589926	25590804 -	1	911	3.57
LOC_Os01g15390.1	expressed protein	Chr1	8627820	8629150 +	2	1238	3.57
LOC_Os08g18810.1	conserved hypothetical protein	Chr8	11219593	11221826 +	2	2257	3.57
LOC_Os01g70570.3	acyltransferase, putative, expressed	Chr1	40866509	40868344 -	4	1247	3.57
LOC_Os05g01950.1	expressed protein	Chr5	542156	542984 +	1	861	3.57
LOC_Os06g48235.1	expressed protein	Chr6	29175691	29177070 +	2	401	3.57
LOC_Os01g72670.2	expressed protein	Chr1	42162567	42166462 -	8	1970	3.57
LOC_Os07g25004.1	NADPH-dependent oxidoreductase, putative, expressed	Chr7	14237700	14239944 +	2	1597	3.57
LOC_Os08g15248.1	NADPH-dependent oxidoreductase, putative, expressed	Chr8	9255763	9258007 +	2	1597	3.58
LOC_Os01g13280.1	ubiquitin conjugating enzyme protein, putative, expressed	Chr1	7404888	7409640 -	8	1977	3.58
LOC_Os04g58870.2	exo70 exocyst complex subunit, putative, expressed	Chr4	35016589	35020137 -	12	2251	3.58
LOC_Os04g58870.3	exo70 exocyst complex subunit, putative, expressed	Chr4	35016589	35020151 -	12	2411	3.58
LOC_Os01g50320.1	surp module family protein, putative, expressed	Chr1	28885409	28890942 +	4	3138	3.58
LOC_Os07g04850.2	pre-mRNA-processing factor 31, putative, expressed	Chr7	2144163	2151799 +	10	4345	3.58
LOC_Os08g44015.1	growth regulator related protein, putative, expressed	Chr8	27708166	27712650 +	10	2584	3.58
LOC_Os08g03750.1	expressed protein	Chr8	1781135	1785623 -	11	2095	3.58
LOC_Os05g45590.1	hexokinase, putative, expressed	Chr5	26418621	26422556 -	9	2123	3.58
LOC_Os05g26010.1	transposon protein, putative, unclassified, expressed	Chr5	15116613	15122720 +	10	4691	3.58
LOC_Os02g48122.1	PPR repeat domain containing protein, putative, expressed	Chr2	29463827	29465660 -	1	1866	3.59
LOC_Os05g36070.3	signal peptide peptidase domain containing protein, expressed	Chr5	21370159	21376605 +	12	2017	3.59
LOC_Os03g08330.1	ZIM domain containing protein, putative, expressed	Chr3	4248884	4249985 +	1	1134	3.59
LOC_Os06g08540.2	formin-like protein 13, putative, expressed	Chr6	4224295	4228006 +	4	2300	3.59
LOC_Os04g08764.1	avr9/Cf-9 rapidly elicited protein 137, putative, expressed	Chr4	4769894	4772045 -	2	1600	3.60
LOC_Os05g36070.1	signal peptide peptidase domain containing protein, expressed	Chr5	21370156	21376605 +	13	2129	3.60
LOC_Os05g36070.2	signal peptide peptidase domain containing protein, expressed	Chr5	21370163	21376605 +	12	2203	3.60

LOC_Os12g15430.1	expressed protein	Chr12	8814472	8814741 -	1	302	3.60
LOC_Os12g32790.1	disease resistance RPP13-like protein 1, putative, expressed	Chr12	19805936	19809658 +	2	3669	3.60
LOC_Os10g08011.1	expressed protein	Chr10	4322914	4323972 -	1	1091	3.60
LOC_Os03g08770.1	modifier of rudimentary protein, expressed	Chr3	4532886	4536625 +	8	1482	3.60
LOC_Os03g08770.2	modifier of rudimentary protein, expressed	Chr3	4532886	4536625 +	8	1479	3.60
LOC_Os08g34130.1	mitochondrial glycoprotein, putative, expressed	Chr8	21397699	21399524 +	2	1158	3.60
LOC_Os08g18730.1	retrotransposon protein, putative, unclassified, expressed	Chr8	11174774	11185712 +	4	7691	3.61
LOC_Os04g15600.1	receptor kinase, putative, expressed	Chr4	8484713	8485997 +	2	697	3.61
LOC_Os11g47170.1	receptor-like protein kinase precursor, putative, expressed	Chr11	28374214	28374891 +	2	640	3.61
LOC_Os06g05950.3	expressed protein	Chr6	2724123	2726535 -	7	1711	3.61
LOC_Os06g05950.2	expressed protein	Chr6	2724123	2726535 -	5	1914	3.61
LOC_Os05g51470.1	2-aminoethanethiol dioxygenase, putative, expressed	Chr5	29506977	29509972 +	5	1815	3.61
LOC_Os09g39230.1	prephenate dehydratase domain containing protein, expressed	Chr9	22542184	22543865 +	1	1714	3.61
LOC_Os09g15350.2	expressed protein	Chr9	9385267	9387226 +	1	1992	3.61
LOC_Os01g61630.1	expressed protein	Chr1	35658744	35661037 +	1	2326	3.61
LOC_Os04g48300.1	hypothetical protein	Chr4	28786771	28787582 -	3	744	3.61
LOC_Os04g48375.1	WD domain, G-beta repeat domain containing protein, expressed	Chr4	28849267	28851949 +	8	1204	3.61
LOC_Os06g23560.1	anthocyanidin 5,3-O-glucosyltransferase, putative, expressed	Chr6	13743329	13745442 -	1	2146	3.61
LOC_Os12g05590.1	RCN3 Centroradialis-like1 homologous to TFL1 gene%3B contains Pfam profile PF01161%3A Phos	Chr12	2565213	2566562 -	4	1035	3.61
LOC_Os04g39440.1	ras-related protein, putative, expressed	Chr4	23493028	23495366 +	5	1266	3.61
LOC_Os11g09020.1	amino acid transporter, putative, expressed	Chr11	4799114	4801313 +	3	2096	3.61
LOC_Os04g07490.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr4	3980728	3984937 -	5	1705	3.61
LOC_Os02g22260.2	fruit protein PKIWI502, putative, expressed	Chr2	13280881	13292533 +	5	1804	3.61
LOC_Os06g34830.1	amino acid permease family protein, putative, expressed	Chr6	20251477	20253967 +	1	2523	3.61
LOC_Os06g41030.1	DUF1680 domain containing protein, putative, expressed	Chr6	24502390	24507547 -	12	3404	3.61
LOC_Os02g41460.1	DUF640 domain containing protein, putative, expressed	Chr2	24830541	24832108 -	3	1308	3.61
LOC_Os02g15580.2	cyclic nucleotide-gated ion channel 1, putative, expressed	Chr2	8749822	8756041 -	7	2614	3.61
LOC_Os01g52890.1	expressed protein	Chr1	30412827	30413574 -	1	780	3.61
LOC_Os11g06860.1	expressed protein	Chr11	3367561	3368847 -	1	1319	3.61
LOC_Os08g40020.1	selenium binding protein, putative, expressed	Chr8	25344705	25346660 +	2	1877	3.62
LOC_Os03g60110.1	KH domain containing protein, putative, expressed	Chr3	34186394	34190839 +	7	1886	3.62
LOC_Os02g27830.1	expressed protein	Chr2	16477199	16484046 -	16	2375	3.62
LOC_Os02g57100.1	expressed protein	Chr2	34963624	34966602 -	5	1396	3.62
LOC_Os04g35560.1	glutathione S-transferase, putative, expressed	Chr4	21662078	21664360 -	3	1480	3.62
LOC_Os01g34880.1	callose synthase, putative, expressed	Chr1	19258341	19260839 -	5	1885	3.62
LOC_Os04g09860.1	actin, putative, expressed	Chr4	5292922	5293600 +	2	256	3.62
LOC_Os02g14874.2	expressed protein	Chr2	8276843	8278413 +	3	980	3.62
LOC_Os06g19460.1	expressed protein	Chr6	11084748	11085720 +	2	572	3.62
LOC_Os06g30470.1	expressed protein	Chr6	17609797	17612796 +	4	1560	3.62
LOC_Os04g16896.1	uncharacterized protein ycf68, putative	Chr4	9096123	9096524 +	1	434	3.62
LOC_Os11g03220.1	RNA binding protein, putative, expressed	Chr11	1167726	1170428 -	7	1430	3.63
LOC_Os01g52270.1	NB-ARC domain containing protein, expressed	Chr1	30048291	30049986 +	1	1728	3.63
LOC_Os06g15779.1	aluminum-activated malate transporter, putative, expressed	Chr6	8960001	8964689 -	6	2266	3.63
LOC_Os09g05080.1	retrotransposon protein, putative, unclassified, expressed	Chr9	2731819	2737327 -	2	4954	3.63
LOC_Os03g22400.3	ulp1 protease family protein, putative, expressed	Chr3	12826014	12828278 -	4	1662	3.63

LOC_Os01g17070.1	OsDegp1 - Putative Deg protease homologue, expressed	Chr1	9816783	9822750 +	11	2225	3.63
LOC_Os01g05610.1	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed	Chr1	2674400	2675373 +	1	1006	3.64
LOC_Os03g17084.1	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed	Chr3	9492890	9497494 +	4	1382	3.64
LOC_Os11g05080.1	powdery mildew resistant protein 5, putative, expressed	Chr11	2224748	2229065 +	4	2620	3.64
LOC_Os07g05390.1	expressed protein	Chr7	2468568	2473957 -	6	3331	3.64
LOC_Os01g11250.1	potassium channel KAT1, putative, expressed	Chr1	6017742	6022156 -	11	2604	3.64
LOC_Os01g34860.1	expressed protein	Chr1	19245153	19248201 -	3	2492	3.65
LOC_Os07g28800.1	heat shock protein DnaJ, putative, expressed	Chr7	16863279	16867122 -	7	1034	3.65
LOC_Os03g22680.1	RING finger and CHY zinc finger domain-containing protein 1, putative, expressed	Chr3	13095798	13098245 -	12	1455	3.65
LOC_Os04g32060.1	transposon protein, putative, unclassified, expressed	Chr4	19228118	19231880 +	7	2144	3.65
LOC_Os04g32060.2	transposon protein, putative, unclassified, expressed	Chr4	19227268	19231880 +	7	2694	3.65
LOC_Os07g04850.3	pre-mRNA-processing factor 31, putative, expressed	Chr7	2144160	2151799 +	9	4879	3.65
LOC_Os03g28140.1	1-phosphatidylinositol-4-phosphate 5-kinase/ zinc ion binding protein, putative, expressed	Chr3	16182022	16192749 -	11	5809	3.65
LOC_Os07g04850.1	pre-mRNA-processing factor 31, putative, expressed	Chr7	2144150	2151824 +	10	4352	3.65
LOC_Os06g30830.1	OsMADS76 - MADS-box family gene with M-alpha type-box, expressed	Chr6	17887762	17891217 -	3	822	3.65
LOC_Os01g07410.1	growth regulator related protein, putative, expressed	Chr1	3511835	3515902 +	8	2440	3.65
LOC_Os02g26550.3	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr2	15584117	15590536 +	5	3961	3.65
LOC_Os06g19420.1	expressed protein	Chr6	11064049	11065140 -	2	436	3.65
LOC_Os12g26060.1	bifunctional dihydrofolate reductase-thymidylate synthase, putative, expressed	Chr12	15134407	15140195 +	9	1698	3.65
LOC_Os02g56950.1	expressed protein	Chr2	34907528	34910822 -	9	2028	3.65
LOC_Os09g38080.1	retrotransposon protein, putative, unclassified, expressed	Chr9	21942005	21945283 +	5	925	3.66
LOC_Os08g39890.1	OsSPL14 - SBP-box gene family member, expressed	Chr8	25274449	25278696 -	3	1812	3.66
LOC_Os03g03590.1	transporter, monovalent cation%3Aproton antiporter-2 family, putative, expressed	Chr3	1567982	1571987 -	10	1724	3.66
LOC_Os03g03590.2	transporter, monovalent cation%3Aproton antiporter-2 family, putative, expressed	Chr3	1567982	1571987 -	10	1712	3.66
LOC_Os01g61120.1	expressed protein	Chr1	35386694	35391613 -	7	2854	3.66
LOC_Os12g02230.1	expressed protein	Chr12	692719	694659 +	2	1705	3.66
LOC_Os02g42710.1	C2 domain containing protein, putative, expressed	Chr2	25684044	25687149 +	5	1023	3.66
LOC_Os04g38920.1	DUF593 domain containing protein, expressed	Chr4	23128561	23129976 +	1	1448	3.66
LOC_Os07g34950.2	uncharacterized membrane protein, putative, expressed	Chr7	20936091	20941654 +	5	1874	3.66
LOC_Os12g10670.1	AAA-type ATPase family protein, putative, expressed	Chr12	5703052	5708208 -	5	3685	3.66
LOC_Os09g36180.1	glycosyl transferase family 8 protein, expressed	Chr9	20852282	20860971 -	16	3755	3.66
LOC_Os06g15390.1	acylphosphatase, putative, expressed	Chr6	8745256	8746006 -	1	783	3.66
LOC_Os02g33290.1	expressed protein	Chr2	19781759	19783563 +	3	896	3.66
LOC_Os01g55570.1	expressed protein	Chr1	32014398	32016278 +	6	1054	3.66
LOC_Os09g35740.1	expressed protein	Chr9	20557996	20559164 +	2	1112	3.66
LOC_Os01g55570.4	expressed protein	Chr1	32014398	32016278 +	5	1151	3.66
LOC_Os05g19470.7	expressed protein	Chr5	11314334	11317850 +	2	1226	3.66
LOC_Os03g19452.2	SMP-30/Gluconolactonase/LRE domain protein, putative, expressed	Chr3	10942652	10944194 +	2	1385	3.66
LOC_Os03g19452.1	SMP-30/Gluconolactonase/LRE domain protein, putative, expressed	Chr3	10939118	10944194 +	2	1619	3.66
LOC_Os08g15170.1	ATP synthase epsilon chain, mitochondrial, putative, expressed	Chr8	9179588	9180385 -	3	411	3.66
LOC_Os03g02762.1	PPR repeat domain containing protein, putative, expressed	Chr3	1076131	1079382 +	1	3284	3.66
LOC_Os06g47600.1	thaumatin family domain containing protein, expressed	Chr6	28825830	28827036 +	1	1239	3.66
LOC_Os02g44975.1	expressed protein	Chr2	27241443	27242046 -	3	509	3.66
LOC_Os06g35030.2	RNA recognition motif containing protein, putative, expressed	Chr6	20373809	20374723 +	1	947	3.67
LOC_Os03g17220.1	dirigent, putative, expressed	Chr3	9599365	9601109 +	1	1777	3.67

LOC_Os03g36960.1	expressed protein	Chr3	20501317	20501926 -	1	642	3.67
LOC_Os06g47544.1	expressed protein	Chr6	28787764	28788344 +	1	613	3.67
LOC_Os06g30930.1	expressed protein	Chr6	17992999	17995414 +	2	1438	3.67
LOC_Os02g25650.1	expressed protein	Chr2	15000604	15004119 -	7	698	3.67
LOC_Os06g08540.1	formin-like protein 13, putative, expressed	Chr6	4224295	4228006 +	3	2362	3.68
LOC_Os03g14450.2	enolase, putative, expressed	Chr3	7847992	7851031 -	14	1864	3.68
LOC_Os05g37160.1	tubulin/FtsZ domain containing protein, putative, expressed	Chr5	21711920	21715654 -	8	2255	3.68
LOC_Os12g38860.1	transposon protein, putative, unclassified, expressed	Chr12	23885347	23888965 -	6	2981	3.68
LOC_Os02g06180.1	phytosulfokine receptor precursor, putative, expressed	Chr2	3084915	3087074 -	1	2192	3.69
LOC_Os03g03860.2	expressed protein	Chr3	1737565	1741468 -	5	3113	3.69
LOC_Os01g42620.2	pentatricopeptide containing protein, putative, expressed	Chr1	24242458	24245152 -	1	2727	3.69
LOC_Os03g61030.1	transcription termination factor nusG family protein, expressed	Chr3	34671286	34674494 +	6	1591	3.69
LOC_Os10g09870.2	HVA22, putative, expressed	Chr10	5340966	5346885 -	7	1697	3.69
LOC_Os06g21099.1	expressed protein	Chr6	12186508	12190658 +	7	1712	3.69
LOC_Os12g37380.1	RNA pseudouridine synthase, putative, expressed	Chr12	22948365	22951096 -	2	1733	3.69
LOC_Os09g30170.2	F-box protein interaction domain containing protein, expressed	Chr9	18360671	18364013 +	3	2843	3.69
LOC_Os08g21630.1	RAD23 protein, putative, expressed	Chr8	12883719	12884392 -	2	331	3.69
LOC_Os08g06280.8	LSD1 zinc finger domain containing protein, expressed	Chr8	3460710	3464756 -	7	1268	3.69
LOC_Os01g60820.1	hypothetical protein	Chr1	35171646	35172970 -	3	687	3.69
LOC_Os11g17240.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr11	9603423	9604304 -	1	914	3.69
LOC_Os07g14240.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr7	8115727	8116696 +	1	1002	3.69
LOC_Os07g35979.1	expressed protein	Chr7	21520374	21522072 -	1	1731	3.70
LOC_Os02g26550.1	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr2	15584117	15590536 +	4	4512	3.70
LOC_Os06g02400.1	OsFBO18 - F-box and other domain containing protein, expressed	Chr6	825521	829063 +	3	2906	3.70
LOC_Os06g38594.1	expressed protein	Chr6	22866810	22867521 -	2	592	3.70
LOC_Os07g27870.1	thioesterase family protein, putative, expressed	Chr7	16264709	16266597 +	3	1074	3.70
LOC_Os01g51330.1	expressed protein	Chr1	29521077	29523276 -	2	1556	3.70
LOC_Os04g39440.4	ras-related protein, putative, expressed	Chr4	23492935	23495366 +	5	1674	3.70
LOC_Os07g47370.1	pentatricopeptide, putative, expressed	Chr7	28335316	28337597 -	1	2314	3.70
LOC_Os01g74600.1	vegetative storage protein, putative, expressed	Chr1	43196120	43198668 +	1	2581	3.70
LOC_Os02g24626.1	uncharacterized protein ycf70, putative	Chr2	14282189	14282458 +	1	302	3.70
LOC_Os04g16878.1	uncharacterized protein ycf70, putative	Chr4	9181534	9181803 -	1	302	3.70
LOC_Os03g40880.1	retrotransposon protein, putative, unclassified, expressed	Chr3	22730603	22732967 -	6	1893	3.70
LOC_Os01g65940.1	expressed protein	Chr1	38283278	38286847 -	7	2101	3.70
LOC_Os05g14500.1	expressed protein	Chr5	8195720	8198339 +	4	2453	3.70
LOC_Os01g23910.1	expressed protein	Chr1	13454908	13455887 -	2	526	3.70
LOC_Os11g34940.1	plastid-specific 50S ribosomal protein 6, chloroplast precursor, putative, expressed	Chr11	20478176	20478870 -	1	727	3.71
LOC_Os04g08034.3	ZOS4-02 - C2H2 zinc finger protein, expressed	Chr4	4274958	4290697 +	22	3412	3.71
LOC_Os12g24610.1	retrotransposon protein, putative, unclassified, expressed	Chr12	14079278	14084899 +	7	5144	3.71
LOC_Os01g45360.1	membrane associated DUF588 domain containing protein, putative, expressed	Chr1	25748192	25750466 -	3	1599	3.71
LOC_Os01g63444.2	expressed protein	Chr1	36756897	36759008 +	3	1609	3.71
LOC_Os05g09650.1	ubiquinone biosynthesis protein COQ4, putative, expressed	Chr5	5450104	5451973 +	3	967	3.71
LOC_Os11g13670.1	gibberellin receptor GID1L2, putative, expressed	Chr11	7493921	7495461 -	1	1573	3.71
LOC_Os02g26550.2	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr2	15584117	15590536 +	4	4544	3.71
LOC_Os11g35360.1	actin polymerization factor, putative, expressed	Chr11	20729532	20731541 +	4	886	3.71

LOC_Os11g35360.2	actin polymerization factor, putative, expressed	Chr11	20729532	20731541	+	3	965	3.71
LOC_Os03g29760.2	nuclear transcription factor Y subunit, putative, expressed	Chr3	16966586	16970772	+	6	1947	3.72
LOC_Os02g01970.1	expressed protein	Chr2	540108	547449	+	10	2867	3.72
LOC_Os04g08034.1	ZOS4-02 - C2H2 zinc finger protein, expressed	Chr4	4274885	4290697	+	22	3608	3.72
LOC_Os06g08884.1	expressed protein	Chr6	4468201	4470899	-	5	1886	3.72
LOC_Os07g08890.1	disease resistance protein RPM1, putative, expressed	Chr7	4618666	4622813	+	2	3233	3.72
LOC_Os02g37950.3	transposon protein, putative, unclassified, expressed	Chr2	22934130	22940327	+	6	5176	3.72
LOC_Os03g02840.2	remorin family protein, putative, expressed	Chr3	1109243	1112995	-	6	2471	3.73
LOC_Os04g18030.2	Sec1 family transport protein, putative, expressed	Chr4	9939614	9956327	-	23	3511	3.73
LOC_Os04g18030.1	Sec1 family transport protein, putative, expressed	Chr4	9939614	9956327	-	22	3554	3.73
LOC_Os04g18030.4	Sec1 family transport protein, putative, expressed	Chr4	9939614	9956327	-	22	3564	3.73
LOC_Os04g18030.3	Sec1 family transport protein, putative, expressed	Chr4	9939540	9956327	-	24	3515	3.73
LOC_Os04g46860.1	scarecrow, putative, expressed	Chr4	27764666	27767328	+	1	2695	3.73
LOC_Os09g12730.2	RNA recognition motif containing protein, expressed	Chr9	7293011	7300555	-	5	3634	3.73
LOC_Os09g12730.1	RNA recognition motif containing protein, expressed	Chr9	7293011	7300542	-	5	3614	3.73
LOC_Os02g37950.1	transposon protein, putative, unclassified, expressed	Chr2	22934104	22940104	+	5	5129	3.73
LOC_Os12g01580.1	MATE efflux protein, putative, expressed	Chr12	350766	355106	+	12	2457	3.73
LOC_Os12g01580.2	MATE efflux protein, putative, expressed	Chr12	350767	355106	+	12	2445	3.73
LOC_Os04g21110.1	phosphoribulokinase/Uridine kinase family protein, expressed	Chr4	11869125	11887514	+	26	4235	3.73
LOC_Os01g49020.1	expressed protein	Chr1	28166404	28167210	-	2	760	3.74
LOC_Os06g02240.1	RNA recognition motif containing protein, putative, expressed	Chr6	699044	702212	+	5	1425	3.74
LOC_Os01g29150.1	cytochrome P450 72A1, putative, expressed	Chr1	16325487	16328374	-	4	2271	3.74
LOC_Os03g03540.1	no apical meristem protein, putative, expressed	Chr3	1528969	1531624	-	3	1495	3.74
LOC_Os08g04240.1	cysteine-rich repeat secretory protein 55 precursor, putative, expressed	Chr8	2063156	2064909	-	2	1446	3.74
LOC_Os02g57500.1	expressed protein	Chr2	35230702	35233962	-	5	1783	3.74
LOC_Os03g02840.3	remorin family protein, putative, expressed	Chr3	1109242	1112995	-	5	2539	3.74
LOC_Os06g49040.1	Myb-like DNA-binding domain containing protein, putative, expressed	Chr6	29723457	29727122	+	8	2193	3.75
LOC_Os04g58630.3	DNA mismatch repair protein MSH3, putative, expressed	Chr4	34873439	34877172	-	6	2367	3.75
LOC_Os02g46810.1	amino acid transporter, putative, expressed	Chr2	28574011	28574592	-	2	541	3.75
LOC_Os11g39618.1	expressed protein	Chr11	23578838	23580982	+	6	969	3.75
LOC_Os01g65610.1	expressed protein	Chr1	38088282	38094202	+	9	1930	3.75
LOC_Os04g39280.1	ATPOT1, putative, expressed	Chr4	23367246	23372741	-	11	2934	3.75
LOC_Os05g40790.2	CCR4-NOT transcription factor, putative, expressed	Chr5	23916372	23923564	+	16	2991	3.75
LOC_Os05g40890.2	expressed protein	Chr5	23978509	23979761	+	3	1024	3.75
LOC_Os11g06234.1	expressed protein	Chr11	2983174	2984969	+	1	1828	3.75
LOC_Os12g10320.1	plant-specific domain TIGR01627 family protein, expressed	Chr12	5455273	5457079	-	1	1839	3.75
LOC_Os11g09670.1	OsFBX409 - F-box domain containing protein, expressed	Chr11	5164432	5166686	-	5	1794	3.75
LOC_Os11g09670.2	OsFBX409 - F-box domain containing protein, expressed	Chr11	5164432	5166686	-	4	1879	3.75
LOC_Os12g34390.1	expressed protein	Chr12	20847972	20849838	-	4	1397	3.75
LOC_Os01g11240.1	DUF538 domain containing protein, putative, expressed	Chr1	6010736	6011894	-	1	1191	3.75
LOC_Os11g31880.1	phosphoglycerate mutase, putative, expressed	Chr11	18728970	18733435	+	2	1682	3.75
LOC_Os07g09040.1	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr7	4721767	4727024	+	9	2126	3.75
LOC_Os07g32600.1	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr7	19436899	19442776	+	4	2059	3.75
LOC_Os03g14850.1	OsMADS72 - MADS-box family gene with M-alpha type-box, expressed	Chr3	8096539	8098764	-	2	1405	3.75
LOC_Os04g31290.1	helix-loop-helix DNA-binding domain containing protein, expressed	Chr4	18720466	18722735	+	3	1494	3.75

LOC_Os06g01710.1	expressed protein	Chr6	416531	420160 -	3	972	3.76
LOC_Os09g25410.1	expressed protein	Chr9	15233373	15236004 +	4	2122	3.76
LOC_Os01g68970.1	HYS1, putative, expressed	Chr1	40070773	40073764 -	5	2067	3.76
LOC_Os01g68970.3	HYS1, putative, expressed	Chr1	40070773	40073754 -	5	2087	3.76
LOC_Os01g22480.1	OsFBDUF4 - F-box and DUF domain containing protein, expressed	Chr1	12636443	12640675 -	3	3946	3.76
LOC_Os12g39320.1	DUF221 domain containing protein, expressed	Chr12	24191441	24197634 +	10	2925	3.77
LOC_Os09g28730.1	gibberellin receptor GID1L2, putative, expressed	Chr9	17460636	17462070 -	1	1467	3.77
LOC_Os07g39320.1	homeobox domain containing protein, expressed	Chr7	23559520	23560868 +	3	1240	3.77
LOC_Os01g51370.1	expressed protein	Chr1	29534964	29536164 -	3	988	3.77
LOC_Os02g40514.1	h/ACA ribonucleoprotein complex subunit 3, putative, expressed	Chr2	24573390	24575344 -	4	822	3.78
LOC_Os02g40514.2	h/ACA ribonucleoprotein complex subunit 3, putative, expressed	Chr2	24573390	24575337 -	3	898	3.78
LOC_Os06g35020.1	expressed protein	Chr6	20365071	20370995 +	8	1000	3.78
LOC_Os02g30240.1	expressed protein	Chr2	17981503	17982535 -	1	1065	3.78
LOC_Os04g15670.1	expressed protein	Chr4	8518633	8519259 +	1	659	3.78
LOC_Os10g30520.1	ras-related protein, putative, expressed	Chr10	15869292	15873575 +	8	1387	3.78
LOC_Os10g02770.1	glycosyl hydrolases family 16, putative, expressed	Chr10	1092789	1096966 -	4	1798	3.78
LOC_Os04g28820.1	retrotransposon protein, putative, unclassified, expressed	Chr4	17063617	17070532 -	7	6473	3.78
LOC_Os06g24711.1	expressed protein	Chr6	14515712	14516665 +	1	986	3.79
LOC_Os01g33020.1	trafficking protein particle complex subunit 1, putative, expressed	Chr1	18135292	18138335 -	5	1088	3.79
LOC_Os01g33020.2	trafficking protein particle complex subunit 1, putative, expressed	Chr1	18135288	18138335 -	5	1089	3.79
LOC_Os02g03270.1	AT hook motif domain containing protein, expressed	Chr2	1313910	1319031 +	5	2018	3.79
LOC_Os11g06200.1	expressed protein	Chr11	2961458	2965668 +	7	1112	3.79
LOC_Os06g05530.1	RNA recognition motif containing protein, putative, expressed	Chr6	2505622	2509040 -	6	1260	3.79
LOC_Os06g05530.2	RNA recognition motif containing protein, putative, expressed	Chr6	2505622	2509040 -	5	1313	3.79
LOC_Os06g05530.3	RNA recognition motif containing protein, putative, expressed	Chr6	2505590	2509040 -	5	1340	3.79
LOC_Os02g46210.1	DUF581 domain containing protein, expressed	Chr2	28153272	28154641 -	2	1284	3.79
LOC_Os01g48650.1	expressed protein	Chr1	27888052	27894271 -	8	1708	3.79
LOC_Os01g57120.1	transposon protein, putative, unclassified	Chr1	33015925	33020218 -	8	2917	3.79
LOC_Os01g03950.1	glycosyl hydrolase, family 31, putative, expressed	Chr1	1698203	1703090 +	3	3581	3.79
LOC_Os06g36710.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr6	21614166	21617120 -	6	1867	3.79
LOC_Os11g47930.1	alpha-hemolysin, putative, expressed	Chr11	28901999	28904573 -	6	723	3.79
LOC_Os10g28350.1	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase protein, putative, expressed	Chr10	14751950	14754326 -	7	1167	3.79
LOC_Os02g32930.1	bile acid sodium symporter, putative, expressed	Chr2	19549723	19556503 +	14	2403	3.79
LOC_Os10g04342.1	stripe rust resistance protein Yr10, putative, expressed	Chr10	2044042	2057559 -	2	3183	3.79
LOC_Os12g25494.2	transposon protein, putative, unclassified, expressed	Chr12	14754305	14757989 -	2	772	3.79
LOC_Os11g10040.3	mTERF family protein, expressed	Chr11	5372635	5375608 +	3	1706	3.79
LOC_Os05g40790.1	CCR4-NOT transcription factor, putative, expressed	Chr5	23916372	23923564 +	16	3024	3.79
LOC_Os11g40249.2	expressed protein	Chr11	24001622	24010494 +	5	4725	3.79
LOC_Os11g03050.1	cytidyltransferase domain containing protein, expressed	Chr11	1071346	1076828 -	9	2159	3.79
LOC_Os04g54740.2	expressed protein	Chr4	32552399	32556312 +	3	653	3.79
LOC_Os06g21680.1	expressed protein	Chr6	12513741	12514685 -	2	715	3.79
LOC_Os06g10100.1	expressed protein	Chr6	5143278	5144540 +	1	1295	3.79
LOC_Os08g05830.4	transaldolase, putative, expressed	Chr8	3130322	3132240 -	6	1616	3.79
LOC_Os06g12539.1	expressed protein	Chr6	6796598	6798469 +	1	1904	3.79
LOC_Os11g43860.1	sodium/calcium exchanger protein, putative, expressed	Chr11	26488372	26492383 -	9	2303	3.79

LOC_Os05g41150.1	expressed protein	Chr5	24103645	24106552 -	2	2626	3.79
LOC_Os03g05800.2	expressed protein	Chr3	2898094	2900274 -	4	912	3.79
LOC_Os03g10870.1	membrane associated DUF588 domain containing protein, putative, expressed	Chr3	5586002	5588859 +	3	1043	3.79
LOC_Os05g49390.1	expressed protein	Chr5	28320165	28325897 -	11	1690	3.79
LOC_Os01g70410.1	protein kinase, putative, expressed	Chr1	40786166	40790612 -	9	2610	3.79
LOC_Os01g70410.3	protein kinase, putative, expressed	Chr1	40786166	40790611 -	9	2687	3.79
LOC_Os01g70410.2	protein kinase, putative, expressed	Chr1	40786166	40790609 -	8	2726	3.79
LOC_Os03g06350.1	DUF623 domain containing protein, expressed	Chr3	3178092	3179590 -	1	1531	3.79
LOC_Os07g37110.1	nucleoside transporter, putative, expressed	Chr7	22236821	22240341 -	12	2901	3.80
LOC_Os10g30300.1	TRM112, putative, expressed	Chr10	15737581	15739397 +	3	636	3.80
LOC_Os03g21999.1	expressed protein	Chr3	12606058	12608766 -	3	1330	3.80
LOC_Os06g25930.1	retrotransposon protein, putative, unclassified, expressed	Chr6	15177967	15180110 +	2	1774	3.80
LOC_Os05g38720.1	Lung seven transmembrane receptor domain containing protein, putative, expressed	Chr5	22719262	22721316 +	1	2087	3.80
LOC_Os07g29220.1	Cyclopropane-fatty-acyl-phospholipid synthase, putative, expressed	Chr7	17115809	17120425 +	12	2199	3.80
LOC_Os03g60740.1	expressed protein	Chr3	34526481	34529102 -	7	1338	3.80
LOC_Os09g36910.1	bZIP transcription factor domain containing protein, expressed	Chr9	21291988	21293452 +	2	1385	3.80
LOC_Os05g44330.4	DJ-1 family protein, putative, expressed	Chr5	25796297	25800798 +	5	1416	3.80
LOC_Os04g16710.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr4	9088838	9089491 -	1	686	3.80
LOC_Os01g08310.1	serine/threonine protein phosphatase 2A 59 kDa regulatory subunit Bgamma isoform, putative, expressed	Chr1	4068617	4070372 -	2	969	3.80
LOC_Os09g36010.1	expressed protein	Chr9	20743156	20744337 +	2	1000	3.80
LOC_Os05g43174.1	expressed protein	Chr5	25063389	25064011 +	1	655	3.80
LOC_Os01g64262.1	hydrolase, alpha/beta fold family, putative, expressed	Chr1	37310829	37314736 -	5	1525	3.80
LOC_Os07g47300.1	spoOB-associated GTP-binding protein, putative, expressed	Chr7	28277520	28281063 +	6	2862	3.80
LOC_Os09g33992.2	expressed protein	Chr9	20070523	20073652 -	6	1710	3.80
LOC_Os09g33992.1	expressed protein	Chr9	20070523	20073652 -	4	1912	3.80
LOC_Os03g05690.1	ZOS3-03 - C2H2 zinc finger protein, expressed	Chr3	2838772	2841691 +	2	2680	3.80
LOC_Os12g01220.1	expressed protein	Chr12	127749	133489 -	12	4004	3.81
LOC_Os04g33700.1	ABC transmembrane transporter domain containing protein, expressed	Chr4	20406006	20410406 -	10	2369	3.81
LOC_Os01g04990.1	mitochondrial carrier protein, putative, expressed	Chr1	2349919	2353502 -	7	1723	3.81
LOC_Os01g04990.2	mitochondrial carrier protein, putative, expressed	Chr1	2349919	2353502 -	7	1686	3.81
LOC_Os08g17870.1	reticulon domain containing protein, putative, expressed	Chr8	10960042	10967308 +	14	2913	3.81
LOC_Os01g51390.1	mitochondrial-processing peptidase subunit, mitochondrial precursor, putative, expressed	Chr1	29544661	29548524 +	9	2141	3.82
LOC_Os01g61250.1	methyltransferase, putative, expressed	Chr1	35436701	35441737 +	8	2778	3.82
LOC_Os01g66600.1	rhodanese-like, putative, expressed	Chr1	38684423	38688097 -	4	1653	3.82
LOC_Os05g33270.1	GDSL-like lipase/acylhydrolase, putative, expressed	Chr5	19502924	19507400 +	5	1914	3.82
LOC_Os01g51020.1	60S ribosomal protein L28-1, putative, expressed	Chr1	29314183	29316912 +	4	920	3.82
LOC_Os08g33330.1	protein kinase PKN/PRK1, effector, putative, expressed	Chr8	20790427	20794816 +	4	1777	3.82
LOC_Os06g21068.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr6	12173317	12175252 -	3	966	3.82
LOC_Os06g05804.1	trafficking protein particle complex subunit 4, putative, expressed	Chr6	2642290	2645168 -	4	1056	3.82
LOC_Os06g05804.2	trafficking protein particle complex subunit 4, putative, expressed	Chr6	2642290	2645274 -	4	1139	3.82
LOC_Os06g05804.3	trafficking protein particle complex subunit 4, putative, expressed	Chr6	2642290	2645274 -	4	1162	3.82
LOC_Os06g05804.4	trafficking protein particle complex subunit 4, putative, expressed	Chr6	2642290	2645274 -	3	1186	3.82
LOC_Os08g36010.1	OsFBX295 - F-box domain containing protein, expressed	Chr8	22692351	22694354 -	3	1662	3.82
LOC_Os01g61150.1	phox domain-containing protein, putative, expressed	Chr1	35396166	35400248 -	5	2286	3.82
LOC_Os07g05084.1	expressed protein	Chr7	2243674	2245570 +	3	581	3.83

LOC_Os01g05840.2	oxidoreductase, short chain dehydrogenase/reductase family domain containing family, expressed	Chr1	2800436	2803742	+	9	1703	3.83
LOC_Os01g05840.1	oxidoreductase, short chain dehydrogenase/reductase family domain containing family, expressed	Chr1	2800504	2803742	+	8	1737	3.83
LOC_Os02g10120.1	lipoxygenase, putative, expressed	Chr2	5276620	5282626	-	6	3416	3.83
LOC_Os12g32380.1	40S ribosomal protein S29, putative, expressed	Chr12	19536726	19541133	+	4	440	3.83
LOC_Os01g26970.4	expressed protein	Chr1	15021073	15023907	-	5	1172	3.83
LOC_Os10g27470.1	KH domain containing protein, putative, expressed	Chr10	14487133	14493136	+	7	2499	3.83
LOC_Os03g01790.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr3	488489	492440	+	12	2058	3.83
LOC_Os01g60430.1	pentatricopeptide repeat-containing protein, putative, expressed	Chr1	34946618	34949027	+	1	2442	3.83
LOC_Os03g53770.1	RNA recognition motif containing protein, putative, expressed	Chr3	30825413	30828133	+	8	1096	3.83
LOC_Os08g35710.1	expressed protein	Chr8	22530040	22532479	-	2	1248	3.83
LOC_Os04g53330.2	RNA recognition motif containing protein, putative, expressed	Chr4	31764133	31766856	-	5	1586	3.83
LOC_Os04g53330.1	RNA recognition motif containing protein, putative, expressed	Chr4	31764126	31766854	-	5	1595	3.83
LOC_Os03g01760.2	exostosin family domain containing protein, expressed	Chr3	479167	482008	+	3	1977	3.83
LOC_Os03g01760.1	exostosin family domain containing protein, expressed	Chr3	479167	482008	+	3	1982	3.83
LOC_Os06g38770.1	expressed protein	Chr6	23016236	23017252	-	4	589	3.83
LOC_Os04g38770.1	OsMADS61 - MADS-box family gene with MIKCC type-box, expressed	Chr4	23040160	23041485	+	3	623	3.83
ChrSy.fgenes.h.mRNA.74	expressed protein	ChrSy	511465	512934	+	1	1502	3.83
LOC_Os02g22580.1	expressed protein	Chr2	13467197	13467584	-	3	318	3.83
LOC_Os08g10870.1	hypothetical protein	Chr8	6399879	6403752	+	6	603	3.83
LOC_Os09g06220.1	retrotransposon protein, putative, unclassified, expressed	Chr9	2905168	2912471	-	11	2278	3.83
LOC_Os02g58300.1	expressed protein	Chr2	35674797	35676431	-	1	1667	3.83
LOC_Os03g53640.1	expressed protein	Chr3	30755791	30757510	-	3	1076	3.83
LOC_Os01g46950.1	aldose 1-epimerase, putative, expressed	Chr1	26791754	26795939	-	8	2155	3.83
LOC_Os09g39620.1	protein kinase family protein, putative, expressed	Chr9	22736559	22741162	+	9	2865	3.83
LOC_Os12g18800.1	transposon protein, putative, unclassified, expressed	Chr12	10885484	10888535	-	7	1916	3.83
LOC_Os07g40700.1	RNA methyltransferase, TrmH family protein, putative, expressed	Chr7	24389154	24393592	+	6	1918	3.83
LOC_Os12g42739.1	expressed protein	Chr12	26560942	26562032	-	3	1004	3.83
LOC_Os02g35700.3	nucleoside diphosphate kinase, putative, expressed	Chr2	21453117	21454141	+	2	650	3.83
LOC_Os12g34880.1	expressed protein	Chr12	21238232	21239733	-	2	884	3.83
LOC_Os03g59880.1	expressed protein	Chr3	34088936	34090111	+	2	1041	3.83
LOC_Os02g51810.2	expressed protein	Chr2	31739493	31744666	+	9	2025	3.83
LOC_Os06g04250.1	phosphate-induced protein 1 conserved region domain containing protein, expressed	Chr6	1789836	1791394	+	1	1591	3.84
LOC_Os01g30950.1	retrotransposon protein, putative, unclassified, expressed	Chr1	16887541	16889687	+	2	1774	3.84
LOC_Os01g29110.1	retrotransposon protein, putative, unclassified, expressed	Chr1	16306512	16309782	-	4	1865	3.84
LOC_Os07g08420.1	bZIP transcription factor domain containing protein, expressed	Chr7	4322231	4326708	-	6	1971	3.84
LOC_Os10g41250.1	glycoprotein, putative, expressed	Chr10	22166887	22168850	-	1	1996	3.84
LOC_Os09g14810.1	retrotransposon protein, putative, unclassified, expressed	Chr9	8819282	8822215	-	3	2517	3.84
LOC_Os12g07110.1	acyl-CoA synthetase protein, putative, expressed	Chr12	3483864	3489371	+	12	3169	3.84
LOC_Os12g07110.2	acyl-CoA synthetase protein, putative, expressed	Chr12	3483918	3489371	+	11	3891	3.84
LOC_Os02g14874.1	expressed protein	Chr2	8276806	8278503	+	2	1636	3.84
LOC_Os05g44330.3	DJ-1 family protein, putative, expressed	Chr5	25796297	25800798	+	7	1810	3.84
LOC_Os05g35266.1	galactosyltransferase, putative, expressed	Chr5	20944786	20947148	-	7	2049	3.84
LOC_Os05g35266.3	galactosyltransferase, putative, expressed	Chr5	20944786	20947128	-	6	2100	3.84
LOC_Os06g29650.1	CDP-diacylglycerol--inositol 3-phosphatidyltransferase 1, putative, expressed	Chr6	17003628	17010230	-	9	1727	3.84
LOC_Os06g29650.2	CDP-diacylglycerol--inositol 3-phosphatidyltransferase 1, putative, expressed	Chr6	17003628	17010231	-	8	1611	3.84

LOC_Os04g31690.1	expressed protein	Chr4	18984846	18987232	+	5	712	3.84
LOC_Os08g08100.1	expressed protein	Chr8	4595778	4597522	+	4	956	3.84
LOC_Os12g10720.3	glutathione S-transferase, putative, expressed	Chr12	5756467	5758873	+	7	810	3.84
LOC_Os12g34860.2	phenylalanyl-tRNA synthetase, putative, expressed	Chr12	21220797	21222566	+	3	1168	3.84
LOC_Os06g12720.1	retrotransposon protein, putative, unclassified, expressed	Chr6	6945033	6947818	-	7	2576	3.84
LOC_Os06g49780.1	expressed protein	Chr6	30117740	30118771	+	1	1064	3.84
LOC_Os03g19010.1	peroxisomal biogenesis factor 11, putative, expressed	Chr3	10647659	10648869	+	1	1243	3.84
LOC_Os06g38760.1	retrotransposon protein, putative, unclassified, expressed	Chr6	23005341	23011471	+	5	3775	3.84
LOC_Os10g09870.1	HVA22, putative, expressed	Chr10	5340966	5346885	-	7	1803	3.84
LOC_Os10g09870.4	HVA22, putative, expressed	Chr10	5340966	5346885	-	7	1796	3.84
LOC_Os07g41230.1	esterase, putative, expressed	Chr7	24699495	24703794	+	5	1766	3.85
LOC_Os07g37790.1	expressed protein	Chr7	22659562	22663678	+	11	1559	3.85
LOC_Os10g21196.1	chloroplast 30S ribosomal protein S16, putative, expressed	Chr10	10811681	10812748	-	2	253	3.85
LOC_Os05g46710.2	expressed protein	Chr5	27036918	27039220	-	4	903	3.85
LOC_Os06g39728.1	cytochrome b559 subunit alpha, putative	Chr6	23580417	23580668	+	1	284	3.85
LOC_Os03g08740.2	expressed protein	Chr3	4513398	4518535	+	4	4083	3.86
LOC_Os08g37260.2	expressed protein	Chr8	23551865	23556346	-	4	1751	3.86
LOC_Os03g52720.1	magnesium-dependent phosphatase 1, putative, expressed	Chr3	30224157	30226365	-	4	930	3.86
LOC_Os05g39560.1	metal cation transporter, putative, expressed	Chr5	23216413	23219283	+	3	1905	3.86
LOC_Os06g49460.1	Rer1 protein, putative, expressed	Chr6	29967952	29970514	+	3	1325	3.86
LOC_Os02g02800.1	AGAP001222-PA, putative, expressed	Chr2	1067025	1069448	+	7	1631	3.87
LOC_Os02g49130.1	expressed protein	Chr2	30044219	30047532	-	3	836	3.87
LOC_Os01g73300.1	VAMP-like protein YKT62, putative, expressed	Chr1	42479663	42483372	-	6	1312	3.87
LOC_Os02g53680.1	RPA1A - Putative single-stranded DNA binding complex subunit 1, expressed	Chr2	32832832	32836481	-	2	2655	3.87
LOC_Os08g29520.1	cytochrome b561, putative, expressed	Chr8	18098755	18102913	+	4	1257	3.87
LOC_Os05g41670.1	ICE-like protease p20 domain containing protein, putative, expressed	Chr5	24384901	24387468	-	2	1683	3.87
LOC_Os04g51440.1	villin protein, putative, expressed	Chr4	30463864	30473000	-	23	4038	3.87
LOC_Os04g51440.2	villin protein, putative, expressed	Chr4	30463864	30472877	-	22	4088	3.87
LOC_Os03g08740.1	expressed protein	Chr3	4513398	4518535	+	4	4141	3.87
LOC_Os07g14100.1	pentatricopeptide, putative, expressed	Chr7	8043463	8045191	-	1	1761	3.87
LOC_Os03g62040.1	retrotransposon protein, putative, unclassified, expressed	Chr3	35150338	35153150	+	3	2646	3.87
LOC_Os01g72900.1	abscisic stress-ripening, putative, expressed	Chr1	42281272	42281973	-	2	635	3.87
LOC_Os10g24340.1	expressed protein	Chr10	12473756	12474871	+	3	789	3.87
LOC_Os02g33290.2	expressed protein	Chr2	19781835	19783603	+	2	1671	3.87
LOC_Os12g07270.1	bile acid sodium symporter family protein, putative, expressed	Chr12	3573433	3576997	-	7	1683	3.87
LOC_Os03g04590.2	ribosomal protein, putative, expressed	Chr3	2142725	2143944	+	2	1157	3.87
LOC_Os05g33320.1	expressed protein	Chr5	19531187	19533381	-	2	976	3.87
LOC_Os08g18760.1	retrotransposon protein, putative, unclassified, expressed	Chr8	11198143	11199138	+	1	1028	3.87
LOC_Os11g10040.1	mTERF family protein, expressed	Chr11	5372635	5375530	+	2	1674	3.87
LOC_Os04g35560.2	glutathione S-transferase, putative, expressed	Chr4	21662078	21664360	-	2	2239	3.87
LOC_Os09g29520.1	OsWAK81 - OsWAK receptor-like cytoplasmic kinase OsWAK-RLCK, expressed	Chr9	17961169	17962785	-	1	1649	3.87
LOC_Os12g12664.1	expressed protein	Chr12	6976909	6982100	-	6	1989	3.87
LOC_Os04g48070.2	homeobox and START domains containing protein, putative, expressed	Chr4	28600698	28607038	-	9	3377	3.87
LOC_Os04g48070.1	homeobox and START domains containing protein, putative, expressed	Chr4	28600698	28607038	-	9	3398	3.87
LOC_Os11g43860.2	sodium/calcium exchanger protein, putative, expressed	Chr11	26488372	26492229	-	8	2382	3.87

LOC_Os01g02940.1	glycosyltransferase protein, putative, expressed	Chr1	1089743	1093528 -	7	2847	3.87
LOC_Os01g02940.2	glycosyltransferase protein, putative, expressed	Chr1	1089743	1093528 -	7	2874	3.87
LOC_Os03g27930.1	RNA cap guanine-N2 methyltransferase domain containing protein, expressed	Chr3	16038993	16045538 +	12	3060	3.88
LOC_Os05g25040.1	expressed protein	Chr5	14489386	14490822 -	1	1469	3.88
LOC_Os05g06050.1	N-acetylglucosaminyltransferase, putative, expressed	Chr5	3030924	3033213 +	4	1349	3.88
LOC_Os05g31020.1	eukaryotic peptide chain release factor subunit 1-1, putative, expressed	Chr5	18016617	18020387 +	3	2228	3.88
LOC_Os06g04080.1	glycosyl hydrolases family 17, putative, expressed	Chr6	1691885	1694140 +	2	1780	3.88
LOC_Os04g06340.1	MEGL11 - Maternally expressed gene MEG family protein precursor, expressed	Chr4	3310335	3310831 -	2	331	3.88
LOC_Os10g10290.1	retrotransposon protein, putative, unclassified, expressed	Chr10	5654642	5656625 -	4	1637	3.88
LOC_Os08g16210.1	expressed protein	Chr8	9883373	9884799 +	5	919	3.88
LOC_Os08g44470.1	expressed protein	Chr8	27968335	27970713 -	3	967	3.88
LOC_Os11g40674.1	expressed protein	Chr11	24273616	24274255 -	1	672	3.88
LOC_Os10g30300.2	TRM112, putative, expressed	Chr10	15737591	15740779 +	4	784	3.88
LOC_Os02g21490.1	WD domain, G-beta repeat domain containing protein, expressed	Chr2	12741603	12746536 -	4	1754	3.88
LOC_Os12g33194.1	expressed protein	Chr12	20080388	20083537 -	6	2049	3.88
LOC_Os03g26200.1	methyltransferase, putative, expressed	Chr3	14992817	14997413 +	7	2996	3.89
LOC_Os03g18690.1	26S protease regulatory subunit 4, putative, expressed	Chr3	10462452	10466249 +	6	1931	3.89
LOC_Os03g15930.1	OTU-like cysteine protease family protein, putative, expressed	Chr3	8790747	8795463 +	8	1210	3.89
LOC_Os01g18060.1	sugar transporter superfamily, putative, expressed	Chr1	10113381	10119022 -	3	3183	3.90
LOC_Os06g23430.1	signal recognition particle 19 kDa protein, putative, expressed	Chr6	13677377	13681849 -	3	1254	3.90
LOC_Os03g55164.1	WRKY4, expressed	Chr3	31391390	31399050 +	12	3768	3.90
LOC_Os08g35870.2	OsFBL48 - F-box domain and LRR containing protein, expressed	Chr8	22629626	22633862 -	5	2048	3.90
LOC_Os08g35870.1	OsFBL48 - F-box domain and LRR containing protein, expressed	Chr8	22629627	22633862 -	4	2094	3.90
LOC_Os03g03020.1	L11 domain containing ribosomal protein, putative, expressed	Chr3	1232214	1234476 -	4	1183	3.90
LOC_Os01g14870.1	zinc finger matrin-type protein 5, putative, expressed	Chr1	8334519	8338574 +	5	1883	3.90
LOC_Os09g32150.1	expressed protein	Chr9	19185853	19187966 -	3	1059	3.90
LOC_Os07g43460.1	sphingolipid C4-hydroxylase SUR2, putative, expressed	Chr7	26014754	26017822 -	2	1845	3.90
LOC_Os09g01970.1	expressed protein	Chr9	666201	668787 -	4	2190	3.90
LOC_Os12g37530.3	expressed protein	Chr12	23030950	23035532 -	15	2682	3.90
LOC_Os02g19650.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr2	11484330	11488304 -	10	2046	3.90
LOC_Os12g03160.1	transposon protein, putative, unclassified, expressed	Chr12	1203491	1206222 +	5	2221	3.90
LOC_Os01g50616.2	phosphatidylinositol transfer, putative, expressed	Chr1	29068131	29072196 -	13	2547	3.90
LOC_Os08g17000.1	expressed protein	Chr8	10410093	10411904 +	3	1049	3.91
LOC_Os01g65310.1	DUF803 domain containing, putative, expressed	Chr1	37887605	37890519 +	9	2155	3.91
LOC_Os11g02760.1	histidine triad family protein, putative, expressed	Chr11	905662	907831 +	4	921	3.91
LOC_Os03g57270.1	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr3	32662255	32663811 -	1	1589	3.91
LOC_Os07g03025.1	expressed protein	Chr7	1140062	1142002 -	2	1933	3.91
LOC_Os03g03470.3	expressed protein	Chr3	1499619	1504242 -	10	1995	3.91
LOC_Os12g41780.2	glycosyl transferase family 17 protein, putative, expressed	Chr12	25882977	25885922 +	2	2197	3.91
LOC_Os12g41780.1	glycosyl transferase family 17 protein, putative, expressed	Chr12	25882977	25885922 +	2	2202	3.91
LOC_Os08g41840.1	expressed protein	Chr8	26422216	26424002 -	5	1110	3.91
LOC_Os10g09684.1	expressed protein	Chr10	5236268	5237084 +	1	849	3.91
LOC_Os04g54110.1	ARK3, putative, expressed	Chr4	32238374	32242528 +	8	2320	3.91
LOC_Os04g52520.1	APO, putative, expressed	Chr4	31226065	31229583 +	5	2613	3.91
LOC_Os10g28570.4	expressed protein	Chr10	14870774	14872480 -	4	798	3.91

LOC_Os02g34810.1	OsAPx8 - Thylakoid-bound Ascorbate Peroxidase encoding gene 5,8, expressed	Chr2	20868260	20872079 -	12	2209	3.91
LOC_Os05g01630.2	OsFBX156 - F-box domain containing protein, expressed	Chr5	372754	375683 -	5	1250	3.91
LOC_Os11g04900.1	glycoprotein X precursor, putative, expressed	Chr11	2087797	2089433 -	1	1669	3.91
LOC_Os05g32544.1	glycosyltransferase, putative, expressed	Chr5	19021691	19030855 -	5	2798	3.91
LOC_Os04g09810.1	riboflavin biosynthesis protein ribD, putative, expressed	Chr4	5263669	5266752 -	3	2433	3.91
LOC_Os09g28590.2	AGAP010609-PA, putative, expressed	Chr9	17393602	17395622 +	2	1169	3.91
LOC_Os03g12100.1	retrotransposon, putative, centromere-specific, expressed	Chr3	6352368	6353019 +	2	451	3.91
LOC_Os08g01030.1	metal cation transporter, putative, expressed	Chr8	18912	24200 -	13	1801	3.91
LOC_Os11g25530.1	expressed protein	Chr11	14551265	14552547 +	2	805	3.91
LOC_Os01g12830.1	erythronate-4-phosphate dehydrogenase domain containing protein, expressed	Chr1	7100013	7103266 -	2	1518	3.91
LOC_Os08g37370.2	mitochondrial carrier protein, putative, expressed	Chr8	23613091	23614707 -	2	1554	3.91
LOC_Os08g37370.1	mitochondrial carrier protein, putative, expressed	Chr8	23613091	23614707 -	1	1649	3.91
LOC_Os09g29830.3	helix-loop-helix DNA-binding domain containing protein, expressed	Chr9	18141444	18144524 +	7	2363	3.91
LOC_Os09g29830.2	helix-loop-helix DNA-binding domain containing protein, expressed	Chr9	18141444	18144524 +	7	2366	3.91
LOC_Os10g12140.1	transposon protein, putative, unclassified, expressed	Chr10	6749505	6754057 +	8	3226	3.91
LOC_Os04g56770.1	expressed protein	Chr4	33856729	33859059 +	6	813	3.92
LOC_Os05g49670.1	expressed protein	Chr5	28487243	28488214 +	1	1004	3.92
LOC_Os05g33440.1	mTERF domain containing protein, expressed	Chr5	19649708	19651104 -	1	1429	3.92
LOC_Os03g15940.1	OsWLM2 - LIM domain protein, putative actin-binding protein and transcription factor, expressed	Chr3	8797848	8799836 +	5	1226	3.92
LOC_Os01g72000.1	armadillo repeat-containing protein, putative, expressed	Chr1	41722424	41726252 -	3	2878	3.92
LOC_Os04g49430.1	ZR1 protein, putative, expressed	Chr4	29493928	29498951 +	8	3382	3.92
LOC_Os11g31650.1	expressed protein	Chr11	18509086	18512627 +	2	832	3.92
LOC_Os03g02710.1	hydroxymethylglutaryl-CoA synthase, putative, expressed	Chr3	1015290	1020208 +	12	2286	3.92
LOC_Os11g47570.1	glycosyl hydrolase, putative, expressed	Chr11	28748076	28749262 +	1	1219	3.92
LOC_Os08g06280.3	LSD1 zinc finger domain containing protein, expressed	Chr8	3460710	3463827 -	5	1389	3.92
LOC_Os08g06280.7	LSD1 zinc finger domain containing protein, expressed	Chr8	3460710	3463786 -	6	1214	3.92
LOC_Os09g32190.1	tRNA-splicing endonuclease positive effector-related, putative, expressed	Chr9	19209907	19212642 -	4	851	3.92
LOC_Os01g48190.2	drought induced 19 protein, putative, expressed	Chr1	27601505	27604190 +	4	1454	3.92
LOC_Os07g23200.1	F-actin-capping protein subunit alpha, putative, expressed	Chr7	13074438	13078529 -	10	1685	3.92
LOC_Os11g06290.1	expressed protein	Chr11	3019550	3022478 +	2	2170	3.93
LOC_Os09g25410.2	expressed protein	Chr9	15233373	15236004 +	3	2477	3.93
LOC_Os01g20880.1	OsWAK3 - OsWAK receptor-like cytoplasmic kinase OsWAK-RLCK, expressed	Chr1	11655138	11659895 +	5	3128	3.93
LOC_Os05g40330.1	auxin efflux carrier component, putative, expressed	Chr5	23697738	23700670 -	11	2096	3.93
LOC_Os12g01430.1	ribosomal protein L10, putative, expressed	Chr12	267657	270166 -	9	1455	3.93
LOC_Os02g30630.2	thiamine pyrophosphate enzyme, C-terminal TPP binding domain containing protein, expressed	Chr2	18236025	18238371 +	2	2326	3.93
LOC_Os08g42030.1	peroxidase precursor, putative, expressed	Chr8	26546747	26549806 -	3	1681	3.93
LOC_Os06g50890.1	RNA recognition motif containing protein, expressed	Chr6	30779924	30783639 +	6	1140	3.93
LOC_Os08g13480.1	expressed protein	Chr8	8023047	8023493 +	1	479	3.94
LOC_Os05g03174.2	glycosyltransferase family 43 protein, putative, expressed	Chr5	1278891	1285604 +	4	2143	3.94
LOC_Os04g41980.2	ATOZ11, putative, expressed	Chr4	24875259	24875977 +	2	684	3.94
LOC_Os04g41980.1	ATOZ11, putative, expressed	Chr4	24874021	24875977 +	3	732	3.94
LOC_Os03g02920.1	peroxidase precursor, putative, expressed	Chr3	1172250	1176258 -	3	1680	3.94
LOC_Os01g61330.1	ankyrin homolog precursor, putative, expressed	Chr1	35480043	35482190 -	2	1630	3.94
LOC_Os01g25300.1	expressed protein	Chr1	14290373	14291666 +	1	1326	3.94
LOC_Os06g25294.1	60S ribosomal protein L18a-1, putative, expressed	Chr6	14809929	14815856 -	4	1024	3.94

LOC_Os08g06600.1	nuf2 family protein, expressed	Chr8	3722365	3726246 -	11	2102	3.94
LOC_Os05g49990.2	expressed protein	Chr5	28667173	28668904 +	1	1764	3.95
LOC_Os01g65400.2	DNA polymerase I, putative, expressed	Chr1	37957139	37959001 -	5	1498	3.95
LOC_Os03g03470.4	expressed protein	Chr3	1499619	1504242 -	9	2047	3.95
LOC_Os03g03470.2	expressed protein	Chr3	1499619	1504242 -	9	2057	3.95
LOC_Os07g29760.1	cysteine proteinase A494 precursor, putative, expressed	Chr7	17496502	17498225 +	2	1702	3.95
LOC_Os01g68970.2	HYS1, putative, expressed	Chr1	40070752	40073753 -	2	2967	3.95
LOC_Os06g08032.1	flavonol synthase/flavanone 3-hydroxylase, putative, expressed	Chr6	3893672	3895400 +	4	1425	3.95
LOC_Os06g07932.2	flavonol synthase/flavanone 3-hydroxylase, putative, expressed	Chr6	3855441	3857393 +	4	1649	3.95
LOC_Os06g41040.1	pentatricopeptide, putative, expressed	Chr6	24510255	24512549 -	2	1816	3.95
LOC_Os04g58860.1	harpin-induced protein 1 domain containing protein, expressed	Chr4	35010940	35012452 -	1	1545	3.95
LOC_Os11g10040.2	mTERF family protein, expressed	Chr11	5372635	5375523 +	2	1710	3.95
LOC_Os05g17849.1	expressed protein	Chr5	10266450	10269371 -	3	1661	3.95
LOC_Os12g27335.1	expressed protein	Chr12	16061381	16061989 +	1	641	3.95
LOC_Os05g48280.1	expressed protein	Chr5	27673935	27682474 +	8	2038	3.95
LOC_Os02g47420.3	ATROPGEF7/ROPGEF7, putative, expressed	Chr2	28953036	28958823 -	8	2326	3.95
LOC_Os02g03670.1	expressed protein	Chr2	1531654	1535776 -	9	2339	3.95
LOC_Os02g03670.7	expressed protein	Chr2	1531654	1535776 -	8	2446	3.95
LOC_Os02g03670.6	expressed protein	Chr2	1531654	1535776 -	8	2515	3.95
LOC_Os02g03670.5	expressed protein	Chr2	1531654	1535776 -	7	2582	3.95
LOC_Os02g03670.3	expressed protein	Chr2	1531654	1535776 -	6	3023	3.95
LOC_Os07g07890.1	expressed protein	Chr7	3957194	3957853 +	1	692	3.95
LOC_Os12g04660.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr12	1973806	1974672 -	1	899	3.95
LOC_Os05g13380.1	retrotransposon protein, putative, unclassified, expressed	Chr5	7424685	7429054 -	5	2026	3.95
LOC_Os08g04120.1	expressed protein	Chr8	2000177	2005227 -	13	2210	3.95
LOC_Os08g38010.2	expressed protein	Chr8	24079677	24082211 +	5	933	3.95
LOC_Os08g38010.1	expressed protein	Chr8	24079677	24082211 +	5	939	3.95
LOC_Os01g74000.1	glycerol-3-phosphate dehydrogenase, putative, expressed	Chr1	42860708	42866652 -	12	2304	3.95
LOC_Os05g44330.5	DJ-1 family protein, putative, expressed	Chr5	25796297	25803236 +	10	2640	3.95
LOC_Os05g44330.1	DJ-1 family protein, putative, expressed	Chr5	25796297	25803236 +	10	2655	3.95
LOC_Os05g44330.2	DJ-1 family protein, putative, expressed	Chr5	25796297	25803236 +	9	2703	3.95
LOC_Os02g53780.1	expressed protein	Chr2	32945659	32951005 +	14	2558	3.95
LOC_Os04g38310.3	expressed protein	Chr4	22795145	22798775 -	4	1453	3.95
LOC_Os04g38310.1	expressed protein	Chr4	22795145	22798778 -	5	1562	3.95
LOC_Os04g38310.2	expressed protein	Chr4	22795145	22798775 -	4	1664	3.95
LOC_Os02g10860.1	bZIP transcription factor domain containing protein, expressed	Chr2	5760034	5763645 -	6	1275	3.96
LOC_Os12g37530.1	expressed protein	Chr12	23030948	23035532 -	14	2747	3.96
LOC_Os02g49950.1	spotted leaf 11, putative, expressed	Chr2	30518022	30522430 +	4	2520	3.96
LOC_Os03g53250.1	expressed protein	Chr3	30548807	30553733 -	8	3432	3.96
LOC_Os09g21460.1	expressed protein	Chr9	12975276	12977293 -	3	847	3.96
LOC_Os06g39912.1	expressed protein	Chr6	23736833	23737879 +	1	1079	3.96
LOC_Os02g04250.1	glycosyltransferase, putative, expressed	Chr2	1872601	1874915 +	3	2238	3.96
LOC_Os02g04250.3	glycosyltransferase, putative, expressed	Chr2	1872660	1874915 +	2	2221	3.96
LOC_Os03g18370.1	MRH1, putative, expressed	Chr3	10292291	10295670 -	7	2242	3.96
LOC_Os09g28590.1	AGAP010609-PA, putative, expressed	Chr9	17393569	17395622 +	2	1376	3.96

LOC_Os03g15930.2	OTU-like cysteine protease family protein, putative, expressed	Chr3	8790747	8795544 +	9	1234	3.96
LOC_Os06g40240.1	retrotransposon protein, putative, unclassified, expressed	Chr6	23967708	23976387 +	11	5930	3.97
LOC_Os02g20380.2	expressed protein	Chr2	12008709	12015514 -	8	1804	3.97
LOC_Os03g59620.1	phospholipase, patatin family, putative, expressed	Chr3	33941624	33946147 -	4	3708	3.97
LOC_Os03g62160.2	expressed protein	Chr3	35208499	35211351 -	8	1335	3.97
LOC_Os03g62160.1	expressed protein	Chr3	35208499	35211351 -	8	1332	3.97
LOC_Os08g06610.1	mps one binder kinase activator-like 1A, putative, expressed	Chr8	3726902	3727461 +	3	387	3.97
LOC_Os06g45650.1	OsMADS30 - MADS-box family gene with MIKCC type-box, expressed	Chr6	27637555	27641578 +	8	1514	3.97
LOC_Os04g44180.1	expressed protein	Chr4	26153617	26157120 +	6	1077	3.98
LOC_Os01g73150.1	expressed protein	Chr1	42421671	42424864 -	5	2314	3.98
LOC_Os08g06415.1	expressed protein	Chr8	3594201	3595314 -	1	1146	3.98
LOC_Os07g12670.1	expressed protein	Chr7	7239161	7241105 -	4	1355	3.98
LOC_Os03g21000.1	thioredoxin, putative, expressed	Chr3	11919251	11921367 -	4	1431	3.98
LOC_Os02g18090.1	expressed protein	Chr2	10509143	10512248 -	2	1192	3.98
LOC_Os07g22840.1	anaphase-promoting complex subunit 11, putative, expressed	Chr7	12881692	12883433 +	2	412	3.98
LOC_Os04g35070.1	expressed protein	Chr4	21319617	21320638 +	1	1054	3.98
LOC_Os11g47160.1	receptor kinase 1, putative, expressed	Chr11	28371257	28373985 +	2	2593	3.98
LOC_Os03g02890.1	expressed protein	Chr3	1137129	1141062 +	5	2533	3.98
LOC_Os03g56830.1	ad-003, putative, expressed	Chr3	32379925	32383820 -	10	2447	3.98
LOC_Os07g39630.1	calcium-binding protein, putative, expressed	Chr7	23753108	23760707 +	11	2901	3.98
LOC_Os02g18390.1	expressed protein	Chr2	10704299	10705004 -	1	738	3.98
LOC_Os02g54140.1	hsp20/alpha crystallin family protein, putative, expressed	Chr2	33179486	33180458 +	2	949	3.98
LOC_Os03g27880.1	tetratricopeptide-like helical, putative, expressed	Chr3	16016493	16018739 -	1	2279	3.98
LOC_Os11g22150.3	retrotransposon protein, putative, unclassified, expressed	Chr11	12703893	12705636 -	2	557	3.98
LOC_Os11g22150.1	retrotransposon protein, putative, unclassified, expressed	Chr11	12703893	12706770 -	4	779	3.98
LOC_Os11g22150.2	retrotransposon protein, putative, unclassified, expressed	Chr11	12703893	12706775 -	4	807	3.98
LOC_Os04g14170.1	retrotransposon protein, putative, unclassified, expressed	Chr4	7934960	7935776 +	1	849	3.98
LOC_Os09g04720.1	SWIB/MDM2 domain containing protein, expressed	Chr9	2505261	2508294 -	2	1268	3.98
LOC_Os09g37590.1	OsFBDF47 - F-box and DUF domain containing protein, expressed	Chr9	21666707	21673897 +	13	3296	3.98
LOC_Os01g17170.1	magnesium-protoporphyrin IX monomethyl ester cyclase, chloroplast precursor, putative, expressed	Chr1	9874326	9876951 +	5	2171	3.99
LOC_Os01g17170.2	magnesium-protoporphyrin IX monomethyl ester cyclase, chloroplast precursor, putative, expressed	Chr1	9874326	9876951 +	3	2431	3.99
LOC_Os04g31350.1	expressed protein	Chr4	18757684	18758848 -	1	1197	3.99
LOC_Os08g10340.1	OsFBX278 - F-box domain containing protein, expressed	Chr8	6055587	6059017 +	2	2074	3.99
LOC_Os02g45420.1	AP2 domain containing protein, expressed	Chr2	27621211	27622930 +	1	1752	3.99
LOC_Os12g01210.1	HCF152, putative, expressed	Chr12	125923	128386 +	1	2496	3.99
LOC_Os01g02940.3	glycosyltransferase protein, putative, expressed	Chr1	1089743	1093528 -	7	2887	3.99
LOC_Os01g02940.6	glycosyltransferase protein, putative, expressed	Chr1	1089743	1093528 -	6	2901	3.99
LOC_Os01g02940.4	glycosyltransferase protein, putative, expressed	Chr1	1089743	1093528 -	6	2907	3.99
LOC_Os04g57880.1	heat shock protein DnaJ, putative, expressed	Chr4	34489919	34492725 +	4	2584	3.99
LOC_Os04g54620.1	expressed protein	Chr4	32478832	32479294 +	2	313	3.99
LOC_Os01g67835.1	ompA/MotB, putative, expressed	Chr1	39421336	39422280 +	1	977	3.99
LOC_Os08g32910.1	expressed protein	Chr8	20402026	20405988 +	7	2257	3.99
LOC_Os02g47420.1	ATROPGEF7/ROPGEF7, putative, expressed	Chr2	28952897	28959125 -	9	2678	3.99
LOC_Os02g47420.2	ATROPGEF7/ROPGEF7, putative, expressed	Chr2	28952897	28957981 -	7	2709	3.99
LOC_Os02g47420.4	ATROPGEF7/ROPGEF7, putative, expressed	Chr2	28952897	28957973 -	7	2744	3.99

LOC_Os04g28260.1	Kinesin motor domain domain containing protein, expressed	Chr4	16698985	16707481 +	15	4120	3.99
LOC_Os07g19274.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr7	11405205	11409903 +	3	1797	3.99
LOC_Os01g56540.1	histone-lysine N-methyltransferase SUVR3, putative, expressed	Chr1	32594360	32597265 -	4	1160	3.99
LOC_Os09g29830.1	helix-loop-helix DNA-binding domain containing protein, expressed	Chr9	18141109	18144524 +	8	2164	3.99
LOC_Os08g24390.1	expressed protein	Chr8	14724917	14732048 -	13	2613	3.99
LOC_Os08g24390.2	expressed protein	Chr8	14724917	14732033 -	12	2649	3.99
LOC_Os02g10430.1	1-5-phosphoribosyl-5-5-phosphoribosylaminomethylideneaminoimidazole-4-carboxamide isome	Chr2	5478698	5480881 -	4	1269	3.99
LOC_Os02g47980.1	DUF617 domain containing protein, expressed	Chr2	29364087	29365510 +	2	1364	3.99
LOC_Os10g21298.1	cytochrome b559 subunit alpha, putative	Chr10	10869191	10869442 -	1	284	3.99
LOC_Os03g06340.2	XS domain containing protein, expressed	Chr3	3170103	3176422 +	3	1403	3.99
LOC_Os12g38540.1	expressed protein	Chr12	23664188	23666614 +	4	1258	3.99
LOC_Os02g39340.2	glycine-rich protein, putative, expressed	Chr2	23745236	23747925 +	3	851	4.00
LOC_Os01g13300.1	B3 DNA binding domain containing protein, expressed	Chr1	7417303	7422624 +	9	2510	4.00
LOC_Os08g42020.2	zinc ion binding protein, putative, expressed	Chr8	26543220	26545786 +	2	2270	4.00
LOC_Os01g08190.1	transcriptional corepressor LEUNIG, putative, expressed	Chr1	3976431	3984922 +	18	3723	4.00
LOC_Os01g08190.3	transcriptional corepressor LEUNIG, putative, expressed	Chr1	3976431	3984922 +	17	4047	4.00
LOC_Os01g08190.2	transcriptional corepressor LEUNIG, putative, expressed	Chr1	3975902	3984922 +	18	4246	4.00
LOC_Os03g50480.2	phosphoglucomutase, putative, expressed	Chr3	28814082	28820161 +	18	2642	4.00
LOC_Os03g50480.1	phosphoglucomutase, putative, expressed	Chr3	28813570	28820161 +	18	2798	4.00
LOC_Os03g56590.1	expressed protein	Chr3	32237954	32240951 -	7	2077	4.00
LOC_Os08g44480.1	40S ribosomal protein S25, putative, expressed	Chr8	27973018	27974740 +	4	846	4.00
LOC_Os06g41384.1	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed	Chr6	24808757	24811960 -	3	1494	4.00
LOC_Os06g41384.2	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed	Chr6	24808757	24811960 -	3	1494	4.00
LOC_Os08g01350.2	transmembrane protein 18, putative, expressed	Chr8	222483	225362 -	3	1287	4.00
LOC_Os04g46079.1	ELMO/CED-12 family protein, putative, expressed	Chr4	27300831	27317008 -	9	1600	4.01
LOC_Os10g41190.1	transporter family protein, putative, expressed	Chr10	22124277	22127825 +	3	2088	4.01
LOC_Os05g43650.1	expressed protein	Chr5	25382322	25385633 +	6	2008	4.01
LOC_Os03g07920.1	expressed protein	Chr3	4037983	4039509 -	1	1559	4.01
LOC_Os02g20380.1	expressed protein	Chr2	12008709	12015514 -	7	1852	4.01
LOC_Os02g20380.3	expressed protein	Chr2	12008709	12015514 -	7	1840	4.01
LOC_Os04g22950.1	expressed protein	Chr4	13027300	13028385 -	4	593	4.01
LOC_Os01g40710.1	high light inducible protein, putative, expressed	Chr1	23003671	23005010 +	2	903	4.01
LOC_Os04g37770.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr4	22452022	22452695 -	1	706	4.01
LOC_Os08g01350.1	transmembrane protein 18, putative, expressed	Chr8	222452	225362 -	4	1266	4.01
LOC_Os06g23040.1	expressed protein	Chr6	13440852	13442506 +	4	794	4.01
LOC_Os11g08314.1	methyltransferase, putative, expressed	Chr11	4380785	4387947 +	6	3769	4.01
LOC_Os01g11570.1	GDSL-like lipase/acylhydrolase, putative, expressed	Chr1	6242495	6244969 -	5	1287	4.01
LOC_Os03g55220.2	bHelix-loop-helix transcription factor, putative, expressed	Chr3	31422049	31426612 +	7	1703	4.01
LOC_Os10g02814.1	G-protein alpha subunit, putative, expressed	Chr10	1126728	1130428 +	5	1836	4.01
LOC_Os03g24830.1	uncharacterized protein HI0077, putative, expressed	Chr3	14147678	14150344 +	2	1564	4.02
LOC_Os05g33690.3	receptor-like protein kinase precursor, putative, expressed	Chr5	19828422	19830859 +	2	2281	4.02
LOC_Os05g33690.1	receptor-like protein kinase precursor, putative, expressed	Chr5	19828422	19830859 +	1	2470	4.02
LOC_Os07g19470.1	uncharacterized ACR, YggU family COG1872 containing protein, expressed	Chr7	11513903	11518207 -	7	1524	4.02
LOC_Os07g19470.2	uncharacterized ACR, YggU family COG1872 containing protein, expressed	Chr7	11513903	11518207 -	7	1510	4.02
LOC_Os06g08884.2	expressed protein	Chr6	4468201	4469580 -	2	1043	4.02

LOC_Os10g08030.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr10	4351889	4355589	-	5	2335	4.02
LOC_Os01g12730.1	ras-related protein, putative, expressed	Chr1	7043932	7047559	+	7	1506	4.02
LOC_Os08g35910.1	expressed protein	Chr8	22647366	22652881	-	8	2570	4.02
LOC_Os05g40600.1	transposon protein, putative, unclassified, expressed	Chr5	23813758	23816043	+	3	1920	4.02
LOC_Os06g10340.1	autophagy-related protein 12, putative, expressed	Chr6	5308992	5310602	+	5	442	4.02
LOC_Os12g07050.2	RNA polymerase II subunit A C-terminal domain phosphatase ssu72, putative, expressed	Chr12	3452829	3454059	-	3	834	4.02
LOC_Os01g24020.1	expressed protein	Chr1	13523472	13531777	-	3	765	4.02
LOC_Os11g40760.1	expressed protein	Chr11	24382955	24384066	+	1	1144	4.02
LOC_Os12g41680.1	No apical meristem protein, putative, expressed	Chr12	25800944	25806553	+	3	1628	4.02
LOC_Os11g25240.1	retrotransposon protein, putative, unclassified, expressed	Chr11	14382008	14383757	-	4	645	4.02
LOC_Os05g01630.3	OsFBX156 - F-box domain containing protein, expressed	Chr5	372760	375683	-	4	1384	4.02
LOC_Os02g46660.1	SNARE associated Golgi protein, putative, expressed	Chr2	28478607	28481356	-	4	1434	4.02
LOC_Os02g34120.1	expressed protein	Chr2	20408380	20411779	-	9	1608	4.02
LOC_Os07g15500.1	expressed protein	Chr7	8994041	8997214	-	8	1611	4.02
LOC_Os01g53180.1	retrotransposon protein, putative, Ty1-copia subclass, expressed	Chr1	30554345	30554710	+	2	343	4.02
LOC_Os05g49410.1	expressed protein	Chr5	28329422	28330698	+	2	875	4.02
LOC_Os01g06150.1	expressed protein	Chr1	2930802	2932892	+	3	1137	4.02
LOC_Os08g31000.1	expressed protein	Chr8	19139609	19142693	+	3	2481	4.02
LOC_Os02g04860.1	expressed protein	Chr2	2242926	2246169	-	3	1333	4.03
LOC_Os06g23684.2	tyrosine aminotransferase, putative, expressed	Chr6	13835593	13839057	+	4	1603	4.03
LOC_Os01g08520.1	DUF581 domain containing protein, expressed	Chr1	4215032	4217547	-	3	1744	4.03
LOC_Os04g51290.1	expressed protein	Chr4	30380539	30384728	+	8	2806	4.03
LOC_Os01g55974.1	deoxycytidylate deaminase, putative, expressed	Chr1	32233137	32238980	-	9	1340	4.03
LOC_Os01g19160.1	protein kinase domain containing protein, expressed	Chr1	10819351	10822413	-	3	1571	4.03
LOC_Os01g19160.2	protein kinase domain containing protein, expressed	Chr1	10819351	10822413	-	4	1730	4.03
LOC_Os08g34760.1	expressed protein	Chr8	21848889	21856111	-	7	3137	4.03
LOC_Os05g23393.1	expressed protein	Chr5	13366937	13367660	+	1	756	4.03
LOC_Os07g35130.1	OsFBX240 - F-box domain containing protein, expressed	Chr7	21041406	21043393	+	2	1876	4.03
LOC_Os12g01160.1	dehydrogenase, putative, expressed	Chr12	93091	95423	+	7	1328	4.03
LOC_Os09g07280.1	expressed protein	Chr9	3577888	3580495	+	4	635	4.03
LOC_Os11g06180.1	nodulation-signaling pathway 2 protein, putative, expressed	Chr11	2950162	2952223	+	3	1515	4.03
LOC_Os05g31744.1	expressed protein	Chr5	18489775	18490672	-	1	930	4.03
LOC_Os09g10770.1	OsTOP6B - Topoisomerase 6 subunit B, expressed	Chr9	5874972	5883020	+	19	3122	4.03
LOC_Os08g37260.1	expressed protein	Chr8	23551865	23556346	-	3	2088	4.03
LOC_Os08g31120.1	expressed protein	Chr8	19220469	19224534	+	4	989	4.03
LOC_Os12g34052.1	expressed protein	Chr12	20575896	20576480	-	1	617	4.03
LOC_Os07g43060.1	transcription elongation factor SPT4 homolog 1, putative, expressed	Chr7	25797879	25800778	-	5	942	4.03
LOC_Os07g43060.2	transcription elongation factor SPT4 homolog 1, putative, expressed	Chr7	25797879	25800778	-	5	938	4.03
LOC_Os06g07474.2	tetratricopeptide repeat domain containing protein, expressed	Chr6	3588217	3595865	-	15	2415	4.03
LOC_Os06g07474.1	tetratricopeptide repeat domain containing protein, expressed	Chr6	3588217	3595865	-	15	2404	4.03
LOC_Os02g30630.1	thiamine pyrophosphate enzyme, C-terminal TPP binding domain containing protein, expressed	Chr2	18236025	18238376	+	1	2384	4.04
LOC_Os01g12730.2	ras-related protein, putative, expressed	Chr1	7043936	7047559	+	6	1595	4.04
LOC_Os07g49260.1	importin subunit beta, putative, expressed	Chr7	29495914	29504033	+	23	3969	4.04
LOC_Os04g33510.2	expressed protein	Chr4	20276155	20279496	+	7	1386	4.04
LOC_Os04g33510.1	expressed protein	Chr4	20276163	20279496	+	7	1381	4.04

LOC_Os05g03174.1	glycosyltransferase family 43 protein, putative, expressed	Chr5	1278891	1285604 +	3	2382	4.04
LOC_Os07g27810.1	fiber protein Fb34, putative, expressed	Chr7	16226488	16230771 -	3	1317	4.04
LOC_Os01g44170.1	expressed protein	Chr1	25317115	25323500 +	7	1652	4.04
LOC_Os06g07923.2	expressed protein	Chr6	3852139	3854472 +	2	584	4.05
LOC_Os12g04750.1	OsDegp14 - Putative Deg protease homologue, expressed	Chr12	2017474	2022888 -	14	2875	4.05
LOC_Os12g01430.2	ribosomal protein L10, putative, expressed	Chr12	267657	270166 -	7	1712	4.05
LOC_Os03g63010.2	plastid terminal oxidase, putative, expressed	Chr3	35625601	35629619 +	6	1710	4.05
LOC_Os04g33885.1	expressed protein	Chr4	20528785	20530320 -	1	1568	4.05
LOC_Os02g48780.1	IQ calmodulin-binding and BAG domain containing protein, putative, expressed	Chr2	29853571	29854458 +	1	920	4.05
LOC_Os10g28230.1	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed	Chr10	14678069	14679443 +	2	1069	4.05
LOC_Os01g39010.1	50S ribosomal protein, putative, expressed	Chr1	21933264	21936072 +	3	964	4.05
LOC_Os05g28470.1	expressed protein	Chr5	16665100	16671351 +	6	2148	4.05
LOC_Os02g37309.1	expressed protein	Chr2	22556912	22558163 -	1	1284	4.05
LOC_Os08g28560.1	expressed protein	Chr8	17439555	17443728 -	3	1523	4.05
LOC_Os09g31050.1	cytosolic phospholipase A2 beta, putative, expressed	Chr9	18673330	18674857 -	1	1560	4.05
LOC_Os09g15980.1	expressed protein	Chr9	9768935	9773089 +	4	1610	4.05
LOC_Os12g10200.1	SAM-dependent methyltransferase, putative, expressed	Chr12	5391917	5394919 -	7	2246	4.05
LOC_Os04g36730.1	PHD finger protein, putative, expressed	Chr4	22189014	22191831 +	5	1449	4.06
LOC_Os01g55570.2	expressed protein	Chr1	32014398	32016274 +	4	1503	4.06
LOC_Os08g24930.1	expressed protein	Chr8	15105055	15109398 +	3	2260	4.06
LOC_Os01g71270.1	eukaryotic peptide chain release factor subunit 1-1, putative, expressed	Chr1	41242467	41243837 +	1	1403	4.06
LOC_Os11g03680.1	OsFBX395 - F-box domain containing protein, expressed	Chr11	1433750	1435203 +	1	1486	4.06
LOC_Os03g02570.1	dihydrodipicolinate reductase, putative, expressed	Chr3	950273	952602 -	9	1185	4.06
LOC_Os03g29630.1	ulp1 protease family protein, putative, expressed	Chr3	16888876	16892201 +	9	1482	4.06
LOC_Os05g45820.1	heavy metal-associated domain containing protein, expressed	Chr5	26538000	26541970 -	3	1593	4.06
LOC_Os11g32390.1	expressed protein	Chr11	19128672	19130334 -	4	473	4.06
LOC_Os02g15750.1	expressed protein	Chr2	8873032	8876441 +	9	2239	4.06
LOC_Os03g06160.1	BTBP1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with pentapeptide repeats, expressed	Chr3	3091857	3095663 +	11	1887	4.06
LOC_Os02g10430.2	1-5-phosphoribosyl-5-5-phosphoribosylaminomethylideneaminoimidazole-4-carboxamide isomer	Chr2	5478698	5480881 -	4	1355	4.06
LOC_Os07g36930.1	expressed protein	Chr7	22110787	22113703 +	2	1670	4.06
LOC_Os07g36230.3	BTBN15 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3-like	Chr7	21653722	21657359 +	3	2325	4.06
LOC_Os02g44770.1	uncharacterized mscS family protein, putative, expressed	Chr2	27117991	27122440 +	5	3535	4.06
LOC_Os12g03270.1	ELMO/CED-12 family protein, putative, expressed	Chr12	1265812	1269154 +	10	1641	4.06
LOC_Os01g59950.1	pentatricopeptide repeat-containing protein, putative, expressed	Chr1	34663998	34664902 -	1	937	4.06
LOC_Os06g42030.1	potassium transporter, putative, expressed	Chr6	25235281	25242965 -	9	6152	4.07
LOC_Os11g12270.2	expressed protein	Chr11	6851207	6853897 +	5	1281	4.07
LOC_Os06g21340.3	rho GDP-dissociation inhibitor 1, putative, expressed	Chr6	12322863	12325489 -	4	998	4.07
LOC_Os09g28760.1	CXE carboxylesterase, putative, expressed	Chr9	17473042	17473491 +	1	482	4.07
LOC_Os03g31180.3	diacylglycerol kinase 1, putative, expressed	Chr3	17757829	17761133 +	7	1812	4.07
LOC_Os08g06280.4	LSD1 zinc finger domain containing protein, expressed	Chr8	3460710	3463786 -	7	1334	4.07
LOC_Os01g16530.1	OsClp1 - Putative Clp protease homologue, expressed	Chr1	9378864	9383183 -	7	1511	4.07
LOC_Os03g36730.1	OST3/OST6 family protein, putative, expressed	Chr3	20363507	20370047 -	2	1545	4.08
LOC_Os04g08034.5	ZOS4-02 - C2H2 zinc finger protein, expressed	Chr4	4274958	4290615 +	19	2698	4.08
LOC_Os02g51280.1	TCP-domain protein, putative, expressed	Chr2	31396707	31399105 +	1	2431	4.08
LOC_Os01g10340.1	expressed protein	Chr1	5435443	5442651 -	11	1523	4.08

LOC_Os01g58754.1	expressed protein	Chr1	33960314	33961061 +	1	780	4.08
LOC_Os08g06280.1	LSD1 zinc finger domain containing protein, expressed	Chr8	3460710	3463827 -	8	1533	4.08
LOC_Os08g06280.2	LSD1 zinc finger domain containing protein, expressed	Chr8	3460710	3463758 -	7	1530	4.08
LOC_Os09g04240.1	retrotransposon protein, putative, unclassified, expressed	Chr9	2237300	2245121 +	6	6903	4.08
LOC_Os01g62660.1	MYB family transcription factor, putative, expressed	Chr1	36286928	36289643 +	1	2748	4.08
LOC_Os08g04830.1	expressed protein	Chr8	2427513	2431161 -	2	1911	4.09
LOC_Os02g09670.1	MYB protein, putative, expressed	Chr2	4966920	4973686 +	5	1221	4.09
LOC_Os06g12790.1	ras-related protein, putative, expressed	Chr6	6990939	6994556 +	8	1454	4.09
LOC_Os03g46390.1	ras-related protein, putative, expressed	Chr3	26234213	26240763 +	7	1438	4.09
LOC_Os12g34460.2	auxin-binding protein 4 precursor, putative, expressed	Chr12	20869417	20871021 +	3	1211	4.09
LOC_Os06g42020.1	CSLA9 - cellulose synthase-like family A, expressed	Chr6	25231214	25235898 +	9	2435	4.09
LOC_Os04g57930.1	thioredoxin, putative, expressed	Chr4	34513582	34515350 +	2	964	4.09
LOC_Os01g50616.1	phosphatidylinositol transfer, putative, expressed	Chr1	29066657	29072196 -	15	3297	4.09
LOC_Os08g33340.2	RAD23 DNA repair protein, putative, expressed	Chr8	20796966	20801724 +	11	1999	4.09
LOC_Os08g33340.1	RAD23 DNA repair protein, putative, expressed	Chr8	20796966	20801724 +	11	2002	4.09
ChrUn.fgenesh.mRNA.69	expressed protein	ChrUn	451392	455909 -	9	1185	4.09
ChrUn.fgenesh.mRNA.74	expressed protein	ChrUn	472469	476986 -	9	1185	4.09
LOC_Os06g01850.1	ferredoxin--NADP reductase, chloroplast precursor, putative, expressed	Chr6	479178	481669 -	8	1737	4.09
LOC_Os01g55750.1	TCP family transcription factor, putative, expressed	Chr1	32106832	32108671 -	1	1872	4.09
LOC_Os10g38020.1	expressed protein	Chr10	20360947	20365155 +	3	1969	4.09
LOC_Os10g03540.1	ribosomal protein L7Ae, putative, expressed	Chr10	1530559	1532298 +	4	928	4.09
LOC_Os05g19954.3	tRNA pseudouridine synthase family protein, putative, expressed	Chr5	11647790	11656591 -	5	1074	4.09
LOC_Os06g42540.1	expressed protein	Chr6	25582962	25585092 +	3	1093	4.09
LOC_Os01g16060.1	expressed protein	Chr1	9041580	9046087 -	3	3201	4.09
LOC_Os02g07220.1	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr2	3711144	3713440 -	4	1141	4.09
LOC_Os01g55750.2	TCP family transcription factor, putative, expressed	Chr1	32106832	32109743 -	2	1711	4.09
LOC_Os01g55750.3	TCP family transcription factor, putative, expressed	Chr1	32106832	32109745 -	2	1717	4.09
LOC_Os01g52280.1	NB-ARC domain containing protein, expressed	Chr1	30055567	30057039 +	1	1505	4.09
LOC_Os11g12340.1	disease resistance protein RPM1, putative, expressed	Chr11	6888057	6896357 +	2	3490	4.09
LOC_Os05g11090.1	thioredoxin, putative, expressed	Chr5	6233819	6237913 -	4	1255	4.09
LOC_Os03g10350.2	NPGR1, putative, expressed	Chr3	5276817	5281556 -	6	3442	4.10
LOC_Os04g41810.1	expressed protein	Chr4	24766247	24769318 +	4	2004	4.10
LOC_Os07g48360.1	helicase conserved C-terminal domain containing protein, expressed	Chr7	28901448	28908698 +	20	3833	4.10
LOC_Os05g49220.1	GTP-binding protein, putative, expressed	Chr5	28243253	28244772 -	5	1256	4.10
LOC_Os04g52520.3	APO, putative, expressed	Chr4	31226016	31230567 +	8	2002	4.10
LOC_Os04g52520.4	APO, putative, expressed	Chr4	31226016	31230567 +	8	2006	4.10
LOC_Os01g72930.1	pentatricopeptide, putative, expressed	Chr1	42297255	42300253 +	2	2881	4.10
LOC_Os12g31050.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr12	18660378	18664109 +	8	2758	4.10
LOC_Os12g31410.1	expressed protein	Chr12	18893310	18895347 -	2	760	4.10
LOC_Os08g42210.1	expressed protein	Chr8	26658479	26661534 +	8	1363	4.10
LOC_Os01g68010.3	TBC domain containing protein, expressed	Chr1	39538148	39541096 -	9	1605	4.10
LOC_Os09g12050.1	retrotransposon protein, putative, unclassified, expressed	Chr9	6803261	6806757 +	6	1398	4.10
LOC_Os05g31780.1	adaptor complexes medium subunit family domain containing protein, expressed	Chr5	18508427	18512695 -	8	2146	4.10
LOC_Os07g47940.1	expressed protein	Chr7	28630523	28631018 -	2	241	4.10
LOC_Os02g12790.1	GATA zinc finger domain containing protein, expressed	Chr2	6705604	6707734 -	3	1886	4.11

LOC_Os04g31524.1	expressed protein	Chr4	18847020	18850779 -	7	1456	4.11
LOC_Os01g68010.2	TBC domain containing protein, expressed	Chr1	39538143	39541096 -	9	1606	4.11
LOC_Os01g68010.1	TBC domain containing protein, expressed	Chr1	39538143	39541096 -	9	1599	4.11
LOC_Os01g66720.1	NADP-dependent oxidoreductase, putative, expressed	Chr1	38752611	38754970 +	5	1425	4.11
LOC_Os02g13960.1	spotted leaf 11, putative, expressed	Chr2	7612541	7615851 +	1	3343	4.11
LOC_Os04g52890.1	ATBAG1, putative, expressed	Chr4	31497254	31502769 +	4	1777	4.11
LOC_Os04g52890.2	ATBAG1, putative, expressed	Chr4	31497254	31502769 +	4	1771	4.11
LOC_Os09g17750.2	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed	Chr9	10849736	10853196 -	8	2303	4.11
LOC_Os04g42134.1	enhancer of rudimentary protein, putative, expressed	Chr4	24943121	24945222 -	3	1556	4.11
LOC_Os10g35870.1	cytochrome b5-like Heme/Steroid binding domain containing protein, expressed	Chr10	19171741	19174055 -	2	1112	4.11
LOC_Os10g34409.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr10	18353556	18354435 -	1	912	4.11
LOC_Os05g43490.1	OsFBX169 - F-box domain containing protein, expressed	Chr5	25283108	25286695 -	2	1971	4.12
LOC_Os12g04900.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr12	2107319	2108275 +	1	989	4.12
LOC_Os02g54030.1	polygalacturonase, putative, expressed	Chr2	33097336	33098858 +	3	1289	4.12
LOC_Os01g54910.1	GTP-binding protein typA/bipA, putative, expressed	Chr1	31575708	31583605 +	19	3280	4.12
LOC_Os05g49740.1	EMB2744, putative, expressed	Chr5	28534151	28536925 -	1	2807	4.12
LOC_Os10g07150.2	transposon protein, putative, unclassified, expressed	Chr10	3750178	3752622 -	3	932	4.12
LOC_Os02g09670.2	MYB protein, putative, expressed	Chr2	4966920	4972531 +	4	871	4.12
LOC_Os08g36710.1	expressed protein	Chr8	23160967	23163436 -	4	2073	4.12
LOC_Os09g09320.1	nuclear transport factor, putative, expressed	Chr9	4988974	4991687 +	3	1499	4.12
LOC_Os09g36110.1	OsSub59 - Putative Subtilisin homologue, expressed	Chr9	20794456	20797766 +	11	2662	4.12
LOC_Os12g25720.1	expressed protein	Chr12	14912243	14916625 -	4	1810	4.12
LOC_Os10g18150.1	crooked neck, putative, expressed	Chr10	9212937	9215332 -	1	2428	4.12
LOC_Os06g01050.1	expressed protein	Chr6	33589	37124 +	5	613	4.12
LOC_Os02g44480.1	pentatricopeptide, putative, expressed	Chr2	26922512	26924209 -	1	1730	4.12
LOC_Os10g04610.1	OsFBX360 - F-box domain containing protein, expressed	Chr10	2196559	2198967 +	1	2441	4.12
LOC_Os02g05940.1	phytosulfokine receptor precursor, putative, expressed	Chr2	2952131	2955766 -	1	3668	4.12
LOC_Os02g46910.1	glycosyl hydrolases family 16, putative, expressed	Chr2	28621982	28624683 +	4	1994	4.12
LOC_Os08g12780.5	chloroplast envelope membrane protein, putative, expressed	Chr8	7571731	7574295 -	5	1208	4.12
LOC_Os02g08490.1	chaperone protein clpB 1, putative, expressed	Chr2	4567617	4573049 -	10	3633	4.13
LOC_Os12g06060.1	amino acid permease family protein, putative, expressed	Chr12	2816374	2822877 +	5	1768	4.13
LOC_Os02g05230.1	retrotransposon protein, putative, unclassified, expressed	Chr2	2506009	2509048 -	4	2930	4.13
LOC_Os09g25720.1	glycine-rich cell wall structural protein 2 precursor, putative, expressed	Chr9	15430580	15431378 +	1	831	4.13
LOC_Os03g10350.1	NPGR1, putative, expressed	Chr3	5276864	5281819 -	6	3398	4.13
LOC_Os09g32600.1	OsFBX334 - F-box domain containing protein, expressed	Chr9	19454864	19457637 -	5	1707	4.13
LOC_Os04g47720.1	cis-zeatin O-glucosyltransferase, putative, expressed	Chr4	28315067	28316878 +	1	1844	4.13
LOC_Os12g12380.3	transposon protein, putative, unclassified, expressed	Chr12	6816934	6820419 -	3	2769	4.13
LOC_Os01g55974.2	deoxycytidylate deaminase, putative, expressed	Chr1	32233035	32238980 -	10	1375	4.13
LOC_Os04g07600.1	AGAP002737-PA, putative, expressed	Chr4	4039853	4042102 +	2	2227	4.13
LOC_Os05g39850.1	MCM3 - Putative minichromosome maintenance MCM complex subunit 3, expressed	Chr5	23419593	23424596 +	16	3213	4.13
LOC_Os08g05280.1	oxidoreductase family, NAD-binding Rossmann fold containing protein, expressed	Chr8	2756966	2765155 -	12	2922	4.13
LOC_Os12g07590.1	Protein-tyrosine phosphatase domain containing protein, expressed	Chr12	3792110	3797497 -	9	1835	4.13
LOC_Os12g43000.2	retrotransposon protein, putative, unclassified, expressed	Chr12	26715379	26718178 -	7	1801	4.13
LOC_Os04g50740.1	ara54-like RING finger protein, putative, expressed	Chr4	30016919	30021073 +	7	2263	4.13
LOC_Os01g36540.1	pentatricopeptide, putative, expressed	Chr1	20280855	20282564 +	1	1742	4.13

LOC_Os04g52520.2	APO, putative, expressed	Chr4	31226045	31230567 +	8	2034	4.13
LOC_Os09g32580.1	expressed protein	Chr9	19445271	19448189 -	5	2196	4.13
LOC_Os06g21710.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr6	12549751	12553501 -	4	1770	4.13
LOC_Os03g50364.1	expressed protein	Chr3	28744729	28746317 -	3	1467	4.14
LOC_Os09g36250.1	MYB family transcription factor, putative, expressed	Chr9	20915301	20919808 -	2	1643	4.14
LOC_Os05g29974.2	lipase, putative, expressed	Chr5	17336715	17342967 +	7	1399	4.14
LOC_Os07g48840.2	Ser/Thr protein phosphatase family protein, putative, expressed	Chr7	29225276	29227666 +	2	1762	4.14
LOC_Os04g31940.1	dnaj domain containing protein, expressed	Chr4	19130179	19133059 +	1	2913	4.14
LOC_Os08g42020.1	zinc ion binding protein, putative, expressed	Chr8	26543220	26545477 +	1	2290	4.14
LOC_Os03g16790.3	DHHC zinc finger domain containing protein, expressed	Chr3	9307510	9312680 +	9	2314	4.14
LOC_Os07g45610.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr7	27216125	27226912 +	5	5593	4.14
LOC_Os06g29640.1	retrotransposon protein, putative, unclassified, expressed	Chr6	16999914	17000908 +	2	898	4.15
LOC_Os03g12930.1	expressed protein	Chr3	6974761	6978108 -	3	1190	4.15
LOC_Os03g12930.2	expressed protein	Chr3	6974761	6978108 -	3	1156	4.15
LOC_Os02g56440.1	expressed protein	Chr2	34559238	34560374 -	1	1169	4.15
LOC_Os08g06280.9	LSD1 zinc finger domain containing protein, expressed	Chr8	3460710	3463827 -	4	1817	4.15
LOC_Os04g47020.3	genetic modifier, putative, expressed	Chr4	27868084	27870370 +	3	1515	4.15
LOC_Os04g47020.1	genetic modifier, putative, expressed	Chr4	27868084	27870370 +	2	1560	4.15
LOC_Os02g58550.2	chloroplast channel forming outer membrane protein, putative, expressed	Chr2	35785868	35787820 -	4	1050	4.15
LOC_Os09g07660.1	ELMO/CED-12 family protein, putative, expressed	Chr9	3855460	3862968 +	18	3159	4.15
LOC_Os09g06570.1	expressed protein	Chr9	3126602	3127160 -	1	591	4.15
LOC_Os01g66630.1	S-domain receptor-like protein kinase, putative, expressed	Chr1	38699042	38701558 +	4	1739	4.15
LOC_Os12g32210.1	autophagy-related protein 10, putative, expressed	Chr12	19441176	19447196 +	9	1667	4.15
LOC_Os11g13940.1	NBS-LRR disease resistance protein, putative, expressed	Chr11	7712006	7717010 -	2	3523	4.15
LOC_Os04g07700.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr4	4094808	4095608 +	1	833	4.15
LOC_Os04g03470.1	retrotransposon protein, putative, unclassified, expressed	Chr4	1498934	1504186 +	5	4621	4.15
LOC_Os06g04190.1	rad1, putative, expressed	Chr6	1758960	1760884 -	7	1260	4.15
LOC_Os03g53750.1	nuclear prelamin A recognition factor, putative, expressed	Chr3	30810265	30814716 -	11	2230	4.15
LOC_Os03g53750.2	nuclear prelamin A recognition factor, putative, expressed	Chr3	30810265	30814716 -	11	2213	4.15
LOC_Os04g52410.1	OsMADS31 - MADS-box family gene with MIKCC type-box, expressed	Chr4	31143100	31144202 +	4	689	4.15
LOC_Os03g10210.1	homeobox domain containing protein, expressed	Chr3	5180655	5182185 -	3	1387	4.15
LOC_Os08g44650.1	expressed protein	Chr8	28074869	28077136 -	3	1122	4.15
LOC_Os09g03610.2	flowering time control protein FCA, putative, expressed	Chr9	1790446	1799611 +	17	3901	4.15
LOC_Os09g03610.4	flowering time control protein FCA, putative, expressed	Chr9	1790600	1799611 +	18	3399	4.15
LOC_Os09g03610.1	flowering time control protein FCA, putative, expressed	Chr9	1790600	1799611 +	18	3377	4.15
LOC_Os09g03610.3	flowering time control protein FCA, putative, expressed	Chr9	1790608	1799611 +	18	3351	4.15
LOC_Os11g36960.1	dnaj domain containing protein, expressed	Chr11	21806099	21809530 +	1	3464	4.16
LOC_Os04g43670.1	expressed protein	Chr4	25835625	25837777 +	2	1027	4.16
LOC_Os05g04650.1	expressed protein	Chr5	2194869	2196468 +	4	984	4.16
LOC_Os09g25600.1	AP2 domain containing protein, expressed	Chr9	15364891	15369757 +	7	2008	4.16
LOC_Os01g19630.4	expressed protein	Chr1	11129520	11131876 +	3	1903	4.16
LOC_Os01g65350.1	deoxynucleoside kinase family, putative, expressed	Chr1	37914757	37918965 -	5	2160	4.16
LOC_Os08g18820.1	zinc knuckle family protein, expressed	Chr8	11223774	11233240 +	2	7492	4.16
LOC_Os04g28234.3	Rf1, mitochondrial precursor, putative, expressed	Chr4	16684906	16693432 +	3	4199	4.16
LOC_Os05g37884.1	50S ribosomal protein L33, putative, expressed	Chr5	22198314	22199542 +	2	775	4.16

LOC_Os03g07310.1	growth regulator related protein, putative, expressed	Chr3	3717384	3721105 -	8	2137	4.16
LOC_Os01g72970.1	DUF630/DUF632 domains containing protein, putative, expressed	Chr1	42325823	42329066 +	4	3048	4.16
LOC_Os02g10160.1	AGAP003371-PA, putative, expressed	Chr2	5324532	5328301 -	6	1978	4.16
LOC_Os03g62630.1	ribosomal protein S6, putative, expressed	Chr3	35444418	35446363 +	2	1119	4.16
LOC_Os05g36150.1	Yip1 domain containing protein, expressed	Chr5	21427652	21431594 -	3	1311	4.16
LOC_Os07g06490.1	DNA binding protein, putative, expressed	Chr7	3149943	3152648 -	2	2036	4.16
LOC_Os01g48320.1	transcription factor like protein, putative, expressed	Chr1	27690411	27692209 -	1	1831	4.16
LOC_Os03g16790.2	DHHC zinc finger domain containing protein, expressed	Chr3	9307510	9312680 +	10	2412	4.16
LOC_Os04g34110.1	retrotransposon protein, putative, unclassified, expressed	Chr4	20674053	20678365 +	5	3067	4.16
LOC_Os12g12380.1	transposon protein, putative, unclassified, expressed	Chr12	6816937	6820419 -	2	3429	4.16
LOC_Os10g28340.1	heat stress transcription factor, putative, expressed	Chr10	14746825	14750175 -	2	1746	4.16
LOC_Os11g40110.1	RWP-RK, putative, expressed	Chr11	23926033	23929039 -	3	846	4.16
LOC_Os12g04610.1	expressed protein	Chr12	1949570	1952621 -	4	2569	4.16
LOC_Os08g40890.1	spermidine synthase-related, putative, expressed	Chr8	25867085	25870277 -	1	3225	4.16
LOC_Os05g40950.1	pentatricopeptide repeat-containing protein, putative, expressed	Chr5	24013453	24014600 +	1	1180	4.16
LOC_Os08g44180.1	expressed protein	Chr8	27811017	27814357 +	9	1395	4.16
LOC_Os08g38990.1	WRKY30, expressed	Chr8	24645860	24649832 -	6	2616	4.16
LOC_Os04g46380.1	expressed protein	Chr4	27498110	27498747 +	2	604	4.16
LOC_Os09g28590.3	AGAP010609-PA, putative, expressed	Chr9	17393569	17395622 +	3	1224	4.16
LOC_Os06g36490.1	ethylene-responsive element-binding protein, putative, expressed	Chr6	21431258	21435702 -	4	1290	4.17
LOC_Os08g27100.1	expressed protein	Chr8	16559436	16560579 +	3	888	4.17
LOC_Os02g57510.3	SNARE domain containing protein, putative, expressed	Chr2	35234147	35238028 +	6	1218	4.17
LOC_Os02g57510.4	SNARE domain containing protein, putative, expressed	Chr2	35234126	35238028 +	6	1232	4.17
LOC_Os03g18970.1	protein phosphatase protein, putative, expressed	Chr3	10621702	10625411 -	7	2249	4.17
LOC_Os06g05600.1	OsFBDUF31 - F-box and DUF domain containing protein, expressed	Chr6	2535324	2537022 +	1	1731	4.17
LOC_Os02g57510.1	SNARE domain containing protein, putative, expressed	Chr2	35234126	35238028 +	6	1251	4.17
LOC_Os02g57510.2	SNARE domain containing protein, putative, expressed	Chr2	35234126	35238028 +	6	1244	4.17
LOC_Os03g49800.1	phosphatidylinositol-4-phosphate 5-kinase, putative, expressed	Chr3	28358095	28362611 -	8	3246	4.17
LOC_Os01g09252.1	WD domain, G-beta repeat domain containing protein, expressed	Chr1	4688108	4693114 +	6	2397	4.17
LOC_Os02g50230.1	peptidase, putative, expressed	Chr2	30669185	30673105 +	3	2072	4.17
LOC_Os09g07660.2	ELMO/CED-12 family protein, putative, expressed	Chr9	3855216	3862968 +	18	3265	4.17
LOC_Os01g58035.1	expressed protein	Chr1	33567103	33567405 +	1	335	4.17
LOC_Os08g42320.1	expressed protein	Chr8	26713274	26716439 -	3	2695	4.17
LOC_Os02g05870.1	expressed protein	Chr2	2898892	2903751 -	8	1733	4.17
LOC_Os08g29660.1	WRKY69, expressed	Chr8	18220041	18222408 +	2	2338	4.17
LOC_Os03g38745.1	serine/arginine repetitive matrix protein 1, putative, expressed	Chr3	21520109	21522077 -	2	1460	4.18
LOC_Os07g37270.1	MSP domain containing protein, putative, expressed	Chr7	22333881	22338439 +	7	1627	4.18
LOC_Os10g39950.1	viral A-type inclusion protein repeat containing protein, expressed	Chr10	21389826	21399532 -	9	5545	4.18
LOC_Os02g26814.5	UDP-N-acetylglucosamine transferase subunit ALG13, putative, expressed	Chr2	15741292	15742976 +	2	776	4.18
LOC_Os06g23790.1	expressed protein	Chr6	13900584	13901962 -	3	1283	4.18
LOC_Os02g38574.1	EMB2423, putative, expressed	Chr2	23324961	23326159 +	3	765	4.18
LOC_Os03g19200.1	DNAJ heat shock N-terminal domain-containing protein, putative, expressed	Chr3	10772280	10775798 -	3	3043	4.18
LOC_Os01g51210.1	uncharacterized protein PA4923, putative, expressed	Chr1	29437276	29439882 -	7	1388	4.18
LOC_Os01g16620.4	expressed protein	Chr1	9431735	9435957 -	5	1712	4.18
LOC_Os07g09140.1	expressed protein	Chr7	4773048	4774450 +	2	1007	4.18

LOC_Os07g09140.2	expressed protein	Chr7	4773051	4774450 +	3	1097	4.18
LOC_Os03g38950.1	chloroplast post-illumination chlorophyll fluorescence increase protein, putative, expressed	Chr3	21634867	21637243 +	7	1485	4.18
LOC_Os03g38950.2	chloroplast post-illumination chlorophyll fluorescence increase protein, putative, expressed	Chr3	21634872	21637243 +	6	1530	4.18
LOC_Os07g32230.2	domain of unknown function domain containing protein, expressed	Chr7	19162340	19165067 -	4	1047	4.18
LOC_Os02g50270.1	ankyrin repeat-containing protein, putative, expressed	Chr2	30695324	30698401 +	3	2076	4.18
LOC_Os01g05450.1	expressed protein	Chr1	2573049	2574201 -	3	597	4.18
LOC_Os08g30910.1	YDG/SRA domain containing protein, expressed	Chr8	19085505	19089497 +	2	3943	4.19
LOC_Os06g23790.2	expressed protein	Chr6	13900584	13901962 -	3	1315	4.19
LOC_Os06g22660.2	EMB1303, putative, expressed	Chr6	13177537	13181742 +	5	1016	4.19
LOC_Os06g22660.1	EMB1303, putative, expressed	Chr6	13177537	13181742 +	5	1040	4.19
LOC_Os05g08854.2	expressed protein	Chr5	4886631	4890243 -	4	1762	4.19
LOC_Os10g22590.1	POEI24 - Pollen Ole e l allergen and extensin family protein precursor, expressed	Chr10	11723419	11726426 +	2	983	4.19
LOC_Os01g19630.2	expressed protein	Chr1	11129520	11131876 +	4	2027	4.19
LOC_Os01g19630.3	expressed protein	Chr1	11129520	11131876 +	4	2032	4.19
LOC_Os01g19630.1	expressed protein	Chr1	11129421	11131876 +	4	2096	4.19
LOC_Os04g36640.1	dehydration-responsive element-binding protein, putative, expressed	Chr4	21362368	21365387 -	6	993	4.19
LOC_Os06g05250.3	GTP-binding protein GUF1, putative, expressed	Chr6	2368985	2372121 -	8	2143	4.19
LOC_Os06g42660.1	expressed protein	Chr6	25655524	25656230 +	1	739	4.19
LOC_Os09g36020.1	EAP30/Vps36 family domain containing protein, expressed	Chr9	20745079	20748932 -	7	797	4.19
LOC_Os01g64340.1	expressed protein	Chr1	37352263	37352667 +	1	437	4.19
LOC_Os04g53550.1	ABC transporter, ATP-binding protein, putative, expressed	Chr4	31925655	31928596 -	4	1070	4.19
LOC_Os03g18360.1	BTBT1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with tetratricopeptide repeats, expressed	Chr3	10286812	10291004 +	4	3005	4.19
LOC_Os12g31460.1	heat shock protein DnaJ, putative, expressed	Chr12	18918230	18920690 -	5	1119	4.19
LOC_Os01g37690.2	sodium/calcium exchanger protein, putative, expressed	Chr1	21072230	21073919 -	5	1225	4.19
LOC_Os10g33000.1	retrotransposon protein, putative, unclassified, expressed	Chr10	17276945	17279876 +	8	2359	4.19
LOC_Os11g06230.1	expressed protein	Chr11	2978428	2981561 +	2	2251	4.19
LOC_Os03g03860.3	expressed protein	Chr3	1737298	1742634 -	6	4006	4.19
LOC_Os03g03860.1	expressed protein	Chr3	1737298	1742634 -	6	4021	4.19
LOC_Os04g45180.1	EF hand family protein, expressed	Chr4	26709264	26712512 +	6	1429	4.19
LOC_Os04g33330.1	expressed protein	Chr4	20187930	20189402 -	3	853	4.19
LOC_Os05g32640.1	expressed protein	Chr5	19115148	19115597 +	1	482	4.20
LOC_Os04g17650.1	sucrose synthase, putative, expressed	Chr4	9661934	9667057 -	16	3145	4.20
LOC_Os01g15490.2	phosphoadenosine phosphosulfate, putative, expressed	Chr1	8701159	8708630 -	16	2787	4.20
LOC_Os01g15490.1	phosphoadenosine phosphosulfate, putative, expressed	Chr1	8701159	8708630 -	16	2796	4.20
LOC_Os07g05440.2	retrotransposon protein, putative, unclassified, expressed	Chr7	2502663	2507764 +	2	4684	4.20
LOC_Os08g32120.1	expressed protein	Chr8	19928656	19929307 +	2	621	4.20
LOC_Os03g22680.2	RING finger and CHY zinc finger domain-containing protein 1, putative, expressed	Chr3	13095806	13098285 -	11	1586	4.20
LOC_Os04g50730.1	RWD domain containing protein, expressed	Chr4	30012117	30016413 +	6	2658	4.20
LOC_Os06g20320.1	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr6	11676953	11682092 +	13	2439	4.20
LOC_Os01g09550.3	no apical meristem protein, putative, expressed	Chr1	4879207	4885949 -	6	3209	4.20
LOC_Os11g34690.1	expressed protein	Chr11	20321331	20326421 +	9	3254	4.20
LOC_Os05g18730.1	generative cell specific-1, putative, expressed	Chr5	10847748	10854702 -	18	3063	4.20
LOC_Os06g36210.1	amino acid transporter, putative, expressed	Chr6	21208192	21214381 +	3	2474	4.21
LOC_Os11g01220.1	expressed protein	Chr11	129995	134454 -	12	3116	4.21
LOC_Os09g33780.1	expressed protein	Chr9	19943524	19948721 +	8	1908	4.21

LOC_Os09g14614.1	serine/arginine repetitive matrix protein 1, putative, expressed	Chr9	8665902	8667873 -	2	1463	4.21
LOC_Os10g41190.2	transporter family protein, putative, expressed	Chr10	22124277	22127825 +	2	2596	4.21
LOC_Os03g51840.1	PPR repeat containing protein, expressed	Chr3	29730344	29732399 +	1	2088	4.21
LOC_Os03g03334.1	expressed protein	Chr3	1427658	1428154 +	1	529	4.21
LOC_Os03g64370.1	pentatricopeptide, putative, expressed	Chr3	36384991	36386913 +	1	1955	4.21
LOC_Os03g63420.1	OsGrx_S14 - glutaredoxin subgroup II, expressed	Chr3	35830359	35832570 +	2	1006	4.22
LOC_Os01g37837.1	seryl-tRNA synthetase, putative, expressed	Chr1	21175744	21179966 +	10	2275	4.22
LOC_Os10g33820.1	expressed protein	Chr10	17938977	17940533 -	1	1589	4.22
LOC_Os01g70490.1	potassium transporter, putative, expressed	Chr1	40825681	40830301 +	9	3045	4.22
LOC_Os11g14900.3	thiol protease SEN102 precursor, putative, expressed	Chr11	8379377	8382036 -	5	1621	4.22
LOC_Os10g27030.1	retrotransposon protein, putative, unclassified, expressed	Chr10	14241989	14244875 +	4	2735	4.22
LOC_Os12g37140.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr12	22760485	22765508 +	6	1188	4.22
LOC_Os01g06450.1	glycosyltransferase family 43 protein, putative, expressed	Chr1	3039298	3041232 +	3	1746	4.22
LOC_Os12g03601.1	expressed protein	Chr12	1445553	1446381 -	3	730	4.22
LOC_Os12g10040.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr12	5317468	5321891 +	3	1110	4.22
LOC_Os05g48260.1	wax synthase, putative, expressed	Chr5	27660691	27664964 +	7	2241	4.22
LOC_Os06g05140.1	pentatricopeptide, putative, expressed	Chr6	2282572	2284863 +	1	2324	4.22
LOC_Os08g06840.1	expressed protein	Chr8	3819022	3820090 -	1	1101	4.22
LOC_Os03g18170.1	STE_MEKK_ste11_MAP3K.13 - STE kinases include homologs to sterile 7, sterile 11 and sterile 20	Chr3	10184582	10187474 +	4	1664	4.22
LOC_Os09g10790.1	retrotransposon protein, putative, unclassified, expressed	Chr9	5888125	5890572 -	6	1905	4.22
LOC_Os10g42240.1	kinase, pfkB family, putative, expressed	Chr10	22750204	22753105 +	5	2017	4.22
LOC_Os10g42240.2	kinase, pfkB family, putative, expressed	Chr10	22750204	22753105 +	4	2231	4.22
LOC_Os03g09940.1	sulfate transporter, putative, expressed	Chr3	4954101	4959448 -	12	3061	4.22
LOC_Os01g37837.2	seryl-tRNA synthetase, putative, expressed	Chr1	21175744	21179966 +	9	2326	4.22
LOC_Os03g47240.1	expressed protein	Chr3	26732768	26735887 +	3	621	4.22
LOC_Os05g39050.1	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed	Chr5	22903108	22903946 +	1	871	4.22
LOC_Os01g56960.1	acid phosphatase, putative, expressed	Chr1	32903910	32905663 -	7	1268	4.22
LOC_Os10g32830.1	kinase, pfkB family, putative, expressed	Chr10	17186606	17189893 +	12	1479	4.22
LOC_Os03g22040.1	expressed protein	Chr3	12627290	12630390 +	2	2165	4.22
LOC_Os04g50760.1	ara54-like RING finger protein, putative, expressed	Chr4	30022736	30026167 -	7	2307	4.22
LOC_Os01g64290.1	expressed protein	Chr1	37321895	37323504 +	3	1541	4.22
LOC_Os09g31120.1	pirin, putative, expressed	Chr9	18707883	18710315 +	4	1618	4.22
LOC_Os10g05940.1	expressed protein	Chr10	2995396	2998062 +	3	778	4.22
LOC_Os07g33420.1	hydroxylase, putative, expressed	Chr7	19975537	19981363 -	6	2155	4.22
LOC_Os08g04790.1	xylosyltransferase, putative, expressed	Chr8	2389729	2393042 +	4	1898	4.22
LOC_Os01g59510.1	chloroplast ribonuclease III domain protein, putative, expressed	Chr1	34412853	34416988 -	5	2325	4.23
LOC_Os01g04130.1	peptidyl-tRNA hydrolase, mitochondrial precursor protein, putative, expressed	Chr1	1815769	1817554 -	4	575	4.23
LOC_Os01g32350.3	OsClp2 - Putative Clp protease homologue, expressed	Chr1	17746363	17751130 +	3	988	4.23
LOC_Os08g14320.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr8	8582061	8584105 +	4	1413	4.23
LOC_Os04g57780.2	tetratricopeptide repeat domain containing protein, expressed	Chr4	34411231	34413183 -	4	1277	4.23
LOC_Os03g09260.1	ubiquitin carboxyl-terminal hydrolase 26, putative, expressed	Chr3	4836142	4838183 +	4	1383	4.23
LOC_Os02g15220.1	bromodomain containing protein, expressed	Chr2	8490392	8498390 +	5	3174	4.23
LOC_Os05g45270.1	ribosomal L9, putative, expressed	Chr5	26276599	26279411 +	6	1198	4.23
LOC_Os03g16790.1	DHHC zinc finger domain containing protein, expressed	Chr3	9307510	9312680 +	11	2346	4.23
LOC_Os02g15220.4	bromodomain containing protein, expressed	Chr2	8490618	8498390 +	4	3028	4.23

LOC_Os02g15220.2	bromodomain containing protein, expressed	Chr2	8490392	8498390 +	5	3178	4.23
LOC_Os11g02860.1	expressed protein	Chr11	969861	970384 -	2	547	4.24
LOC_Os04g52540.1	retrotransposon protein, putative, unclassified, expressed	Chr4	31239185	31243433 +	3	3574	4.24
LOC_Os01g67560.1	Divergent PAP2 family domain containing protein, expressed	Chr1	39266781	39269619 -	5	1331	4.24
LOC_Os08g04300.1	fringe-related protein, putative, expressed	Chr8	2108300	2112134 +	3	2511	4.24
LOC_Os02g08530.1	protein kinase family protein, putative, expressed	Chr2	4604012	4607666 -	10	2431	4.25
LOC_Os01g22670.1	fruit bromelain precursor, putative, expressed	Chr1	12745130	12747081 -	2	1927	4.25
LOC_Os05g03630.1	dnaJ domain containing protein, expressed	Chr5	1553433	1557251 +	3	1453	4.25
LOC_Os05g32270.2	AP2 domain containing protein, expressed	Chr5	18813472	18817699 +	8	1542	4.25
LOC_Os05g25890.1	expressed protein	Chr5	15061485	15066256 +	1	4804	4.25
LOC_Os09g19890.2	expressed protein	Chr9	11904341	11908232 +	3	2339	4.25
LOC_Os07g32910.1	transposon protein, putative, unclassified, expressed	Chr7	19674068	19680433 -	10	5250	4.25
LOC_Os01g59620.1	histone-lysine N-methyltransferase, H3 lysine-9 specific SUVH1, putative, expressed	Chr1	34480551	34484984 +	3	3041	4.25
LOC_Os07g04150.1	stress-induced protein, putative, expressed	Chr7	1770641	1772559 -	2	1900	4.25
LOC_Os01g26020.1	expressed protein	Chr1	14752089	14754630 +	3	1087	4.25
LOC_Os04g25540.1	ribosomal protein L27, putative, expressed	Chr4	14804703	14805724 +	3	799	4.25
LOC_Os02g03730.1	SWIB/MDM2 domain containing protein, expressed	Chr2	1563393	1565446 -	2	956	4.25
LOC_Os04g43440.1	NB-ARC/LRR disease resistance protein, putative, expressed	Chr4	25708299	25712533 -	3	2973	4.25
LOC_Os09g20240.2	DUF581 domain containing protein, expressed	Chr9	12126818	12128189 +	2	967	4.25
LOC_Os05g19470.6	expressed protein	Chr5	11314399	11319175 +	4	811	4.25
LOC_Os05g19470.3	expressed protein	Chr5	11314367	11319175 +	5	969	4.25
LOC_Os01g61560.1	phosphatidate cytidyltransferase, putative, expressed	Chr1	35601031	35604029 -	6	1370	4.25
LOC_Os01g37670.1	OsFBX15 - F-box domain containing protein, expressed	Chr1	21068507	21070217 +	1	1743	4.25
LOC_Os02g27490.1	bile acid sodium symporter family protein, putative, expressed	Chr2	16265380	16268835 +	6	2195	4.25
LOC_Os01g37090.1	expressed protein	Chr1	20700553	20703076 +	3	677	4.25
LOC_Os08g13330.1	retrotransposon protein, putative, Ty1-copia subclass, expressed	Chr8	7920977	7924531 -	4	719	4.25
LOC_Os03g31880.1	SHORT-ROOT, putative, expressed	Chr3	18238256	18240730 -	1	2507	4.25
LOC_Os09g28100.1	OsRhmbd15 - Putative Rhomboid homologue, expressed	Chr9	17059795	17062359 +	9	1866	4.25
LOC_Os02g19410.1	expressed protein	Chr2	11335415	11337708 -	3	1754	4.26
LOC_Os07g33420.4	hydroxylase, putative, expressed	Chr7	19975530	19981364 -	6	2234	4.26
LOC_Os07g33420.2	hydroxylase, putative, expressed	Chr7	19975530	19981364 -	7	2271	4.26
LOC_Os07g33420.3	hydroxylase, putative, expressed	Chr7	19975530	19981363 -	6	2309	4.26
LOC_Os01g37690.1	sodium/calcium exchanger protein, putative, expressed	Chr1	21071370	21076730 -	9	2386	4.26
LOC_Os04g45600.1	NDH-M H PLASTOQUINONE DEHY, putative, expressed	Chr4	26977405	26978791 +	2	1297	4.26
LOC_Os06g06960.1	S-locus-like receptor protein kinase, putative, expressed	Chr6	3305184	3307861 -	1	2710	4.26
LOC_Os08g38990.3	WRKY30, expressed	Chr8	24645860	24649085 -	5	2662	4.26
LOC_Os05g43240.3	jacalin-like lectin domain containing protein, expressed	Chr5	25159955	25163447 +	6	2395	4.26
LOC_Os04g54740.3	expressed protein	Chr4	32552399	32556341 +	3	753	4.26
LOC_Os07g49240.1	MRH1, putative, expressed	Chr7	29484521	29487438 +	6	2290	4.26
LOC_Os10g22560.3	peptide transporter PTR2, putative, expressed	Chr10	11691142	11695039 -	6	2435	4.26
LOC_Os06g20440.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr6	11742656	11746429 -	9	1554	4.26
LOC_Os04g46460.2	amino acid kinase, putative, expressed	Chr4	27563230	27564681 +	1	1484	4.26
LOC_Os11g46960.1	receptor-like protein kinase precursor, putative, expressed	Chr11	28224334	28228388 +	2	1243	4.26
LOC_Os05g25950.1	cyclin, putative, expressed	Chr5	15084915	15086150 +	1	1268	4.26
LOC_Os09g15320.2	ubiquitin-conjugating enzyme, putative, expressed	Chr9	9357955	9362416 +	6	1159	4.26

LOC_Os09g15320.1	ubiquitin-conjugating enzyme, putative, expressed	Chr9	9357985	9362416 +	6	1126	4.26
LOC_Os06g34650.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr6	20143793	20144666 +	1	906	4.26
LOC_Os07g31310.1	PPR repeat domain containing protein, putative, expressed	Chr7	18536372	18541354 -	3	3943	4.26
LOC_Os01g66600.2	rhodanese-like, putative, expressed	Chr1	38685221	38688097 -	3	1373	4.27
LOC_Os10g25320.3	initiation factor 2 subunit family domain containing protein, expressed	Chr10	13091456	13096704 -	9	1616	4.27
LOC_Os10g25320.2	initiation factor 2 subunit family domain containing protein, expressed	Chr10	13091456	13096750 -	9	1666	4.27
LOC_Os03g10755.1	expressed protein	Chr3	5491325	5494424 -	5	1124	4.27
LOC_Os07g43020.1	TRM112, putative, expressed	Chr7	25774436	25775340 -	1	937	4.27
LOC_Os08g09670.1	F-box/LRR-repeat protein 22, putative, expressed	Chr8	5584228	5587025 -	2	1340	4.27
LOC_Os01g49830.1	B3 DNA binding domain containing protein, expressed	Chr1	28619484	28621118 -	1	1667	4.27
LOC_Os04g49610.1	expressed protein	Chr4	29583835	29585675 -	5	1279	4.27
LOC_Os05g32330.1	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr5	18845942	18849942 -	10	1888	4.27
LOC_Os01g51210.2	uncharacterized protein PA4923, putative, expressed	Chr1	29437276	29439881 -	6	1456	4.28
LOC_Os02g40490.1	expressed protein	Chr2	24560176	24563246 +	4	575	4.28
LOC_Os08g34380.2	receptor-like kinase, putative, expressed	Chr8	21578024	21583634 -	9	2565	4.28
LOC_Os08g34380.1	receptor-like kinase, putative, expressed	Chr8	21578024	21583634 -	11	3184	4.28
LOC_Os06g23430.2	signal recognition particle 19 kDa protein, putative, expressed	Chr6	13677506	13681875 -	4	1044	4.28
LOC_Os08g30830.1	transposon protein, putative, unclassified, expressed	Chr8	19033958	19035156 +	3	798	4.28
LOC_Os03g45344.1	expressed protein	Chr3	25601289	25603942 -	3	1095	4.28
LOC_Os02g27490.2	bile acid sodium symporter family protein, putative, expressed	Chr2	16265380	16268088 +	5	1964	4.28
LOC_Os03g16350.1	DNA binding protein, putative, expressed	Chr3	9022590	9023976 +	1	1419	4.28
LOC_Os11g14900.5	thiol protease SEN102 precursor, putative, expressed	Chr11	8379342	8382033 -	5	1665	4.28
LOC_Os11g14900.1	thiol protease SEN102 precursor, putative, expressed	Chr11	8379342	8382015 -	5	1666	4.28
LOC_Os11g14900.2	thiol protease SEN102 precursor, putative, expressed	Chr11	8379342	8382036 -	5	1671	4.28
LOC_Os11g14900.4	thiol protease SEN102 precursor, putative, expressed	Chr11	8379342	8382036 -	5	1680	4.28
LOC_Os04g24160.1	expressed protein	Chr4	13815784	13817011 -	2	736	4.28
LOC_Os04g30790.1	expressed protein	Chr4	18407325	18410401 -	9	1818	4.28
LOC_Os05g50640.1	transposon protein, putative, unclassified, expressed	Chr5	29028867	29032785 +	2	2919	4.28
LOC_Os10g39810.1	fatty acid hydroxylase, putative, expressed	Chr10	21308453	21311416 +	5	1478	4.28
LOC_Os12g34510.1	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed	Chr12	20888185	20889121 -	2	903	4.28
LOC_Os01g16340.1	expressed protein	Chr1	9264978	9268482 +	6	1396	4.28
LOC_Os04g32920.4	potassium transporter, putative, expressed	Chr4	19887940	19892492 +	8	3348	4.28
LOC_Os03g49140.1	ABC1 protein At2g40090 precursor, putative, expressed	Chr3	27989293	27991227 -	3	1018	4.28
LOC_Os03g05800.3	expressed protein	Chr3	2899130	2900290 -	2	953	4.28
LOC_Os02g18810.2	pentatricopeptide, putative, expressed	Chr2	10960622	10968060 +	5	1527	4.28
LOC_Os03g64250.2	expressed protein	Chr3	36295246	36297531 +	6	1692	4.28
LOC_Os01g37280.3	expressed protein	Chr1	20816985	20820446 +	4	2956	4.28
LOC_Os02g26814.3	UDP-N-acetylglucosamine transferase subunit ALG13, putative, expressed	Chr2	15740129	15742974 +	4	987	4.28
LOC_Os02g26814.2	UDP-N-acetylglucosamine transferase subunit ALG13, putative, expressed	Chr2	15740126	15742974 +	4	974	4.28
LOC_Os04g40180.1	expressed protein	Chr4	23912883	23915214 +	2	1144	4.28
LOC_Os01g10600.1	aquaporin protein, putative, expressed	Chr1	5663323	5668903 -	7	1334	4.28
LOC_Os07g49280.1	PMR5, putative, expressed	Chr7	29511567	29516375 -	4	2891	4.28
LOC_Os05g43240.1	jacalin-like lectin domain containing protein, expressed	Chr5	25158992	25163447 +	8	2692	4.29
LOC_Os05g43240.2	jacalin-like lectin domain containing protein, expressed	Chr5	25158986	25163447 +	7	2755	4.29
LOC_Os07g30830.1	SNF7 family protein, putative, expressed	Chr7	18250957	18253283 +	3	756	4.29

LOC_Os07g30830.2	SNF7 family protein, putative, expressed	Chr7	18250922	18253311 +	3	824	4.29
LOC_Os01g02070.1	invertase/pectin methylesterase inhibitor family protein, putative, expressed	Chr1	585963	586445 +	1	515	4.29
LOC_Os02g01480.1	nucleic acid binding protein, putative, expressed	Chr2	274428	277257 +	8	1446	4.29
LOC_Os03g36540.1	magnesium-chelatase subunit chlI, chloroplast precursor, putative, expressed	Chr3	20247674	20250146 -	3	2375	4.29
LOC_Os03g36540.2	magnesium-chelatase subunit chlI, chloroplast precursor, putative, expressed	Chr3	20247674	20250146 -	4	2300	4.29
LOC_Os01g55020.5	expressed protein	Chr1	31635593	31638430 +	3	769	4.29
LOC_Os01g55020.2	expressed protein	Chr1	31635593	31638430 +	4	837	4.29
LOC_Os04g33470.2	Ser/Thr protein phosphatase family protein, putative, expressed	Chr4	20245217	20249961 -	5	1284	4.29
LOC_Os04g41450.1	TGF-beta receptor, type I/II extracellular region, putative, expressed	Chr4	24560986	24566456 -	6	3024	4.29
LOC_Os06g04580.1	transcription factor TFIIIF, putative, expressed	Chr6	1990029	1993736 +	7	1519	4.29
LOC_Os07g48280.3	expressed protein	Chr7	28848874	28852330 -	2	2790	4.29
LOC_Os07g48280.1	expressed protein	Chr7	28848822	28852330 -	3	2773	4.29
LOC_Os05g32810.1	expressed protein	Chr5	19217189	19218684 -	3	1423	4.29
LOC_Os04g03990.1	3-5 exonuclease domain-containing protein, putative, expressed	Chr4	1835462	1839603 -	7	1450	4.29
LOC_Os11g03670.1	Mpv17 / PMP22 family domain containing protein, expressed	Chr11	1429206	1432727 -	8	1684	4.29
LOC_Os01g70090.1	enoyl-CoA hydratase/isomerase family protein, putative, expressed	Chr1	40563530	40566440 +	2	1542	4.29
LOC_Os08g18720.1	retrotransposon protein, putative, unclassified	Chr8	11173403	11174632 +	2	1021	4.29
LOC_Os12g04790.1	expressed protein	Chr12	2042903	2045476 +	3	1270	4.29
LOC_Os05g32190.1	tungus CG8253-PA, putative, expressed	Chr5	18769040	18772114 -	6	1078	4.29
LOC_Os01g11880.1	DJ-1 family protein, putative, expressed	Chr1	6432336	6436086 +	7	2382	4.29
LOC_Os07g12490.1	KH domain containing protein, putative, expressed	Chr7	7120719	7126458 +	7	1704	4.30
LOC_Os01g16180.4	MT-A70 domain containing protein, expressed	Chr1	9159606	9165693 +	8	4318	4.30
LOC_Os01g47110.1	expressed protein	Chr1	26916205	26916570 +	1	398	4.30
LOC_Os10g42180.1	aluminum-activated malate transporter, putative, expressed	Chr10	22682272	22685028 -	6	2375	4.30
LOC_Os01g16180.3	MT-A70 domain containing protein, expressed	Chr1	9159606	9165693 +	8	4358	4.30
LOC_Os07g03060.1	expressed protein	Chr7	1159806	1163372 +	2	2948	4.30
LOC_Os03g64250.6	expressed protein	Chr3	36295246	36299447 +	7	2347	4.30
LOC_Os08g42470.1	BEE 1, putative, expressed	Chr8	26841064	26843299 -	8	1622	4.30
LOC_Os03g15380.1	expressed protein	Chr3	8413175	8415066 +	3	1095	4.30
LOC_Os09g20240.1	DUF581 domain containing protein, expressed	Chr9	12126822	12128189 +	2	1350	4.30
LOC_Os09g38310.1	pentatricopeptide, putative, expressed	Chr9	22036957	22040688 -	4	3058	4.31
LOC_Os09g09320.2	nuclear transport factor, putative, expressed	Chr9	4988972	4990544 +	2	892	4.31
LOC_Os05g24150.1	tetratricopeptide-like helical, putative, expressed	Chr5	13929176	13932703 -	5	2464	4.31
LOC_Os06g08290.1	MYB family transcription factor, putative, expressed	Chr6	4015962	4019327 +	5	1911	4.31
LOC_Os01g72670.4	expressed protein	Chr1	42163534	42166462 -	7	1933	4.31
LOC_Os04g30790.2	expressed protein	Chr4	18407323	18410401 -	7	1940	4.31
LOC_Os12g30590.1	disease resistance protein RGA2, putative, expressed	Chr12	18369705	18373748 +	2	3478	4.31
LOC_Os04g38420.1	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed	Chr4	22837855	22840529 -	3	1385	4.31
LOC_Os04g14690.1	flavin-containing monooxygenase family protein, putative, expressed	Chr4	8243687	8249942 -	5	2016	4.31
LOC_Os05g43800.1	expressed protein	Chr5	25464179	25466433 -	2	2160	4.31
LOC_Os03g15530.1	expressed protein	Chr3	8530910	8533071 -	1	2194	4.31
LOC_Os10g11240.1	expressed protein	Chr10	6233625	6236688 -	5	988	4.31
LOC_Os02g43340.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr2	26146594	26151338 -	9	1921	4.31
LOC_Os02g43340.2	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr2	26146598	26151390 -	8	2052	4.31
LOC_Os04g34330.1	serine/threonine-protein kinase receptor precursor, putative, expressed	Chr4	20790085	20792481 +	1	2429	4.31

LOC_Os06g51530.1	ribosomal protein L29, putative, expressed	Chr6	31223501	31226586 -	8	1128	4.31
LOC_Os04g32920.3	potassium transporter, putative, expressed	Chr4	19886674	19892492 +	9	3357	4.31
LOC_Os04g32920.5	potassium transporter, putative, expressed	Chr4	19886676	19892492 +	9	3370	4.31
LOC_Os04g32920.1	potassium transporter, putative, expressed	Chr4	19886676	19892492 +	9	3382	4.31
LOC_Os04g32920.2	potassium transporter, putative, expressed	Chr4	19886676	19892492 +	9	3462	4.31
LOC_Os10g41390.1	protein kinase domain containing protein, expressed	Chr10	22247749	22253378 +	15	3837	4.31
LOC_Os01g04550.1	expressed protein	Chr1	2036118	2038198 +	3	1833	4.31
LOC_Os12g06910.1	nucleolar protein family 6, putative, expressed	Chr12	3360716	3369213 +	24	4179	4.31
LOC_Os11g16540.1	tetratricopeptide repeat domain containing protein, expressed	Chr11	9156589	9173338 -	18	3690	4.31
LOC_Os01g69830.1	OsSPL2 - SBP-box gene family member, expressed	Chr1	40331733	40335718 +	3	2079	4.31
LOC_Os05g30250.2	Os5bglu19 - beta-glucosidase homologue, similar to G. max isohydroxyurate hydrolase, expressed	Chr5	17530143	17534646 +	12	2569	4.31
LOC_Os03g48840.1	ribosomal L18p/L5e family protein, putative, expressed	Chr3	27823028	27825718 +	1	2723	4.31
LOC_Os02g26814.1	UDP-N-acetylglucosamine transferase subunit ALG13, putative, expressed	Chr2	15740124	15742974 +	4	996	4.31
LOC_Os02g12870.6	expressed protein	Chr2	6790686	6795165 +	8	1719	4.31
LOC_Os05g11090.2	thioredoxin, putative, expressed	Chr5	6233819	6237524 -	3	1599	4.31
LOC_Os03g62070.1	hydrolase, putative, expressed	Chr3	35164707	35169032 +	5	1962	4.31
LOC_Os03g64250.5	expressed protein	Chr3	36295246	36299447 +	6	2441	4.31
LOC_Os01g07212.1	staphylococcal nuclease homologue, putative, expressed	Chr1	3401288	3407358 +	11	2015	4.32
LOC_Os02g56219.1	acetyltransferase, GNAT family, putative, expressed	Chr2	34382284	34388181 +	3	1384	4.32
LOC_Os02g22650.2	glycosyltransferase, putative, expressed	Chr2	13495411	13498723 +	3	2847	4.32
LOC_Os02g22650.1	glycosyltransferase, putative, expressed	Chr2	13495411	13498723 +	3	2850	4.32
LOC_Os12g06910.2	nucleolar protein family 6, putative, expressed	Chr12	3360716	3369240 +	23	4247	4.32
LOC_Os02g26814.4	UDP-N-acetylglucosamine transferase subunit ALG13, putative, expressed	Chr2	15740129	15742974 +	4	954	4.32
LOC_Os07g12490.2	KH domain containing protein, putative, expressed	Chr7	7120954	7126458 +	6	1597	4.32
LOC_Os08g13060.1	MBTB22 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Mepirin and TRAF Homology I	Chr8	7756666	7758169 -	1	1536	4.32
LOC_Os12g17070.1	radical SAM enzyme, putative, expressed	Chr12	9766670	9772331 -	2	3663	4.32
LOC_Os09g29780.2	expressed protein	Chr9	18098663	18100425 -	2	946	4.32
LOC_Os11g37560.1	expressed protein	Chr11	22175492	22178883 -	4	2204	4.32
LOC_Os11g37560.2	expressed protein	Chr11	22175492	22178883 -	4	2198	4.32
LOC_Os04g23040.1	expressed protein	Chr4	13086288	13089005 -	5	1320	4.32
LOC_Os01g58400.1	zinc finger C3HC4 type family protein, putative, expressed	Chr1	33740650	33745858 -	10	2352	4.33
LOC_Os01g58400.2	zinc finger C3HC4 type family protein, putative, expressed	Chr1	33740650	33745858 -	10	2319	4.33
LOC_Os02g57620.1	Citrate transporter protein, putative, expressed	Chr2	35286785	35290716 +	3	2711	4.33
LOC_Os01g05440.1	XH domain containing protein, expressed	Chr1	2570072	2571997 -	4	1364	4.33
LOC_Os09g33470.1	mitochondrial carrier protein, putative, expressed	Chr9	19728409	19735541 -	12	1798	4.33
LOC_Os03g07226.1	thioredoxin, putative, expressed	Chr3	3694441	3698200 -	5	1330	4.33
LOC_Os04g36800.1	3-oxoacyl-synthase, putative, expressed	Chr4	22216909	22221345 -	7	2159	4.33
LOC_Os05g48950.1	expressed protein	Chr5	28077381	28078527 +	2	1119	4.33
LOC_Os09g04995.1	expressed protein	Chr9	2688913	2691284 -	2	1936	4.33
LOC_Os07g40770.1	myosin heavy chain-related, putative, expressed	Chr7	24429187	24433536 -	7	1841	4.33
LOC_Os06g44150.1	CorA-like magnesium transporter protein, putative, expressed	Chr6	26635632	26639757 -	5	1859	4.33
LOC_Os08g05190.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr8	2706529	2707326 -	1	830	4.34
LOC_Os11g24590.1	transposon protein, putative, Pong sub-class, expressed	Chr11	14038902	14042499 +	3	2210	4.34
LOC_Os08g05340.1	expressed protein	Chr8	2808273	2813026 +	10	3218	4.34
LOC_Os07g31690.1	retrotransposon protein, putative, unclassified, expressed	Chr7	18814660	18818135 +	3	2582	4.34

LOC_Os05g08854.1	expressed protein	Chr5	4886631	4890243 -	5	1912	4.34
LOC_Os09g20579.2	expressed protein	Chr9	12397884	12399092 +	1	1241	4.34
LOC_Os07g12710.1	GIY-YIG catalytic domain containing protein, putative, expressed	Chr7	7258614	7260429 -	4	1574	4.34
LOC_Os06g01470.1	AGAP000326-PA, putative, expressed	Chr6	282348	284950 +	2	1911	4.34
LOC_Os05g35260.1	PB1 domain containing protein, expressed	Chr5	20939551	20942220 +	4	2012	4.34
LOC_Os05g35260.2	PB1 domain containing protein, expressed	Chr5	20939551	20942220 +	3	2063	4.34
LOC_Os04g44550.2	CHCH domain containing protein, expressed	Chr4	26372025	26375186 +	3	865	4.34
LOC_Os02g53780.2	expressed protein	Chr2	32945680	32951005 +	13	3040	4.34
LOC_Os08g31030.1	HOTHEAD precursor, putative, expressed	Chr8	19157179	19161852 -	6	2364	4.34
LOC_Os04g21500.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr4	12155013	12160308 +	2	4915	4.34
LOC_Os09g01620.2	RNA pseudouridine synthase, putative, expressed	Chr9	437172	443033 +	10	2003	4.34
LOC_Os09g01620.1	RNA pseudouridine synthase, putative, expressed	Chr9	437172	443033 +	10	2022	4.34
LOC_Os02g31924.1	expressed protein	Chr2	18861405	18862005 +	1	633	4.34
LOC_Os01g61560.3	phosphatidate cytidyltransferase, putative, expressed	Chr1	35601031	35604029 -	6	1429	4.34
LOC_Os12g26875.1	expressed protein	Chr12	15753988	15754746 -	1	791	4.34
LOC_Os05g01630.1	OsFBX156 - F-box domain containing protein, expressed	Chr5	372787	375683 -	5	2320	4.34
LOC_Os05g06680.1	expressed protein	Chr5	3463349	3468755 -	4	2267	4.34
LOC_Os05g06680.2	expressed protein	Chr5	3463349	3468755 -	4	2273	4.34
LOC_Os01g37280.2	expressed protein	Chr1	20816985	20820446 +	3	3347	4.34
LOC_Os01g37280.1	expressed protein	Chr1	20816955	20820446 +	3	3384	4.34
LOC_Os12g08240.1	expressed protein	Chr12	4203828	4206452 -	4	920	4.34
LOC_Os01g03810.1	expressed protein	Chr1	1597486	1598510 -	1	1057	4.34
LOC_Os01g63220.1	kinase, pfkB family, putative, expressed	Chr1	36640943	36643202 +	2	1936	4.34
LOC_Os01g09750.2	RNA methyltransferase protein, putative, expressed	Chr1	5022051	5025704 -	9	2107	4.35
LOC_Os04g54330.2	acetyltransferase, GNAT family, putative, expressed	Chr4	32340668	32342426 -	1	1791	4.35
LOC_Os03g10450.2	Sua5/YciO/YrdC/YwIC family protein, putative, expressed	Chr3	5320785	5323970 -	5	1909	4.35
LOC_Os01g59890.1	pentatricopeptide, putative, expressed	Chr1	34636151	34639624 +	3	2572	4.35
LOC_Os10g07150.1	transposon protein, putative, unclassified, expressed	Chr10	3750178	3752622 -	2	2077	4.35
LOC_Os01g16180.2	MT-A70 domain containing protein, expressed	Chr1	9159765	9165687 +	7	4463	4.35
LOC_Os02g17460.1	tesmin/TSO1-like CXC domain containing protein, expressed	Chr2	10042478	10049191 -	9	2117	4.35
LOC_Os01g22510.1	cyclase/dehydrase family protein, expressed	Chr1	12650540	12654393 +	7	1357	4.35
LOC_Os08g18079.1	expressed protein	Chr8	11074054	11078779 +	5	2713	4.35
LOC_Os09g33950.1	ferredoxin 1-like isoform 1, putative, expressed	Chr9	20039465	20040401 -	1	969	4.35
LOC_Os05g38360.1	DHHC zinc finger domain containing protein, expressed	Chr5	22488569	22492094 +	8	1695	4.35
LOC_Os03g56830.2	ad-003, putative, expressed	Chr3	32381178	32383791 -	8	1492	4.35
LOC_Os03g37950.1	proteasome subunit, putative, expressed	Chr3	21078343	21080791 +	2	1707	4.36
LOC_Os12g40910.1	expressed protein	Chr12	25328178	25328713 -	2	457	4.36
LOC_Os04g36050.1	cleft lip and palate transmembrane protein 1, putative, expressed	Chr4	21989516	21995087 -	12	2738	4.36
LOC_Os01g34100.1	expressed protein	Chr1	18780600	18781392 +	1	825	4.36
LOC_Os02g47170.1	expressed protein	Chr2	28795583	28800686 -	4	3719	4.36
LOC_Os03g39432.2	CPuORF31 - conserved peptide uORF-containing transcript, expressed	Chr3	21912140	21913786 +	2	1591	4.36
LOC_Os02g04460.1	ribosomal protein L3, putative, expressed	Chr2	1972935	1974663 -	2	1060	4.36
LOC_Os06g10730.1	expressed protein	Chr6	5601748	5604984 +	2	1518	4.36
LOC_Os03g24040.1	seven in absentia protein family domain containing protein, expressed	Chr3	13633729	13637491 -	4	1621	4.36
LOC_Os05g46710.1	expressed protein	Chr5	27036918	27039084 -	4	1236	4.36

LOC_Os08g03670.2	galactosyltransferase family protein, putative, expressed	Chr8	1744665	1748184 +	6	2041	4.36
LOC_Os04g49110.1	GRAS family transcription factor domain containing protein, expressed	Chr4	29275026	29277269 -	1	2276	4.36
LOC_Os05g38360.2	DHHC zinc finger domain containing protein, expressed	Chr5	22488533	22492117 +	7	1822	4.36
LOC_Os05g31480.1	methyltransferase, putative, expressed	Chr5	18313409	18318440 -	8	2618	4.37
LOC_Os01g71599.1	expressed protein	Chr1	41480531	41482391 -	4	554	4.37
LOC_Os08g28080.1	coatamer subunit delta, putative, expressed	Chr8	17122122	17132608 -	16	3026	4.37
LOC_Os11g38030.1	CDK5RAP1, putative, expressed	Chr11	22561543	22565402 -	3	2412	4.37
LOC_Os09g32800.1	peptidase, T1 family, putative, expressed	Chr9	19562275	19565838 +	7	1387	4.37
LOC_Os02g47320.1	vacuolar ATPase G subunit, putative, expressed	Chr2	28898090	28900862 -	5	1219	4.37
LOC_Os08g28830.1	pentatricopeptide, putative, expressed	Chr8	17628667	17631205 +	1	2571	4.37
LOC_Os11g41910.1	GTP-binding protein, putative, expressed	Chr11	25212874	25216758 +	8	1626	4.37
LOC_Os11g29690.1	oxidoreductase, 2OG-Fe oxygenase family protein, putative, expressed	Chr11	17208164	17210164 +	5	1034	4.37
LOC_Os09g38755.1	E3 ubiquitin-protein ligase HERC2, putative, expressed	Chr9	22269102	22272680 +	6	2115	4.37
LOC_Os01g58630.1	pentatricopeptide repeat, putative, expressed	Chr1	33893707	33895999 +	2	2241	4.37
LOC_Os03g52430.1	mitochondrial carrier protein, putative, expressed	Chr3	30085441	30090107 -	11	1793	4.37
LOC_Os03g61040.1	GIL1, putative, expressed	Chr3	34674983	34676923 -	1	1973	4.37
LOC_Os07g34980.1	TKL_IRAK_DUF26-lh.9 - DUF26 kinases have homology to DUF26 containing loci, expressed	Chr7	20958620	20962387 +	7	2201	4.37
LOC_Os07g09950.1	OsFBX222 - F-box domain containing protein, expressed	Chr7	5303491	5304753 -	1	1295	4.37
LOC_Os05g25400.1	RNA binding protein, putative, expressed	Chr5	14770503	14773117 +	7	1544	4.37
LOC_Os03g55950.2	H-BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence,	Chr3	31853872	31857850 +	4	2714	4.37
LOC_Os09g17850.1	acetyltransferase type B catalytic subunit, putative, expressed	Chr9	10922338	10926994 +	10	2152	4.37
LOC_Os01g53450.2	aminotransferase, classes I and II, domain containing protein, expressed	Chr1	30712157	30717688 +	12	3853	4.37
LOC_Os12g37440.1	conserved hypothetical protein	Chr12	22980342	22982338 -	2	1252	4.37
LOC_Os01g16180.1	MT-A70 domain containing protein, expressed	Chr1	9159606	9165693 +	6	5243	4.37
LOC_Os05g31480.2	methyltransferase, putative, expressed	Chr5	18313409	18318440 -	7	2673	4.37
LOC_Os01g72520.1	phosphoesterase family protein, putative, expressed	Chr1	42063181	42067788 -	4	2083	4.37
LOC_Os01g68010.4	TBC domain containing protein, expressed	Chr1	39539150	39541096 -	5	1015	4.37
LOC_Os02g40860.1	CK1_CaseinKinase_1.5 - CK1 includes the casein kinase 1 kinases, expressed	Chr2	24766807	24772750 +	14	2852	4.37
LOC_Os01g10630.1	expressed protein	Chr1	5675585	5679551 -	6	1833	4.38
LOC_Os01g10630.2	expressed protein	Chr1	5675585	5679551 -	6	2153	4.38
LOC_Os03g06340.1	XS domain containing protein, expressed	Chr3	3170103	3176437 +	3	1812	4.38
LOC_Os06g49080.1	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed	Chr6	29738880	29742503 +	11	2186	4.38
LOC_Os03g44230.1	transmembrane amino acid transporter protein, putative, expressed	Chr3	24850172	24854377 -	8	2542	4.38
LOC_Os09g23360.2	expressed protein	Chr9	13880626	13883902 -	4	2514	4.38
LOC_Os09g23360.1	expressed protein	Chr9	13880626	13883902 -	5	2335	4.38
LOC_Os05g38360.3	DHHC zinc finger domain containing protein, expressed	Chr5	22488569	22492195 +	8	1801	4.38
LOC_Os09g19890.1	expressed protein	Chr9	11904357	11908232 +	3	2748	4.38
LOC_Os05g35060.1	DUF803 domain containing, putative, expressed	Chr5	20807057	20811318 -	9	2425	4.39
LOC_Os09g09370.1	BTBN18 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3	Chr9	5021748	5029479 -	7	2688	4.39
LOC_Os01g70980.1	expressed protein	Chr1	41085901	41088168 -	3	1137	4.39
LOC_Os06g50370.1	zinc finger, C3HC4 type, domain containing protein, expressed	Chr6	30492760	30496151 +	5	1691	4.39
LOC_Os07g49010.1	TOPBP1B - Similar to DNA replication protein TOPBP1 from, expressed	Chr7	29342988	29350836 -	10	4915	4.39
LOC_Os01g26039.1	expressed protein	Chr1	14754773	14764507 -	13	2960	4.39
LOC_Os05g32270.1	AP2 domain containing protein, expressed	Chr5	18812390	18817699 +	9	1772	4.39
LOC_Os07g19470.3	uncharacterized ACR, YggU family COG1872 containing protein, expressed	Chr7	11513903	11516720 -	6	1591	4.39

LOC_Os09g05030.2	armadillo/beta-catenin-like repeat family protein, expressed	Chr9	2703211	2707348 -	2	2317	4.39
LOC_Os12g03290.1	AP2 domain containing protein, expressed	Chr12	1269561	1274766 -	6	1767	4.39
LOC_Os07g48840.1	Ser/Thr protein phosphatase family protein, putative, expressed	Chr7	29225276	29228504 +	3	2087	4.39
LOC_Os07g48840.3	Ser/Thr protein phosphatase family protein, putative, expressed	Chr7	29225276	29228504 +	3	2201	4.39
LOC_Os01g74330.1	pectinacylesterase domain containing protein, expressed	Chr1	43066680	43070166 -	10	1840	4.39
LOC_Os03g37950.3	proteasome subunit, putative, expressed	Chr3	21078321	21080790 +	2	2011	4.39
LOC_Os03g37950.2	proteasome subunit, putative, expressed	Chr3	21078321	21080791 +	2	1880	4.39
LOC_Os02g48480.1	expressed protein	Chr2	29677821	29678633 +	1	845	4.39
LOC_Os02g24636.1	expressed protein	Chr2	14287886	14288188 -	1	335	4.39
LOC_Os10g41692.1	expressed protein	Chr10	22447469	22447771 -	1	335	4.39
LOC_Os07g46730.1	PPR repeat domain containing protein, putative, expressed	Chr7	27929310	27932769 -	2	3033	4.39
LOC_Os08g36570.1	F-box protein, putative, expressed	Chr8	23077540	23079365 -	3	1711	4.40
LOC_Os01g55974.3	deoxycytidylate deaminase, putative, expressed	Chr1	32233137	32235404 -	3	1988	4.40
LOC_Os11g40030.1	cyclin-dependent kinase inhibitor, putative, expressed	Chr11	23866045	23867666 +	3	1338	4.40
LOC_Os01g36940.1	OsFBX13 - F-box domain containing protein, expressed	Chr1	20595192	20598852 +	3	1401	4.40
LOC_Os01g24180.1	retrotransposon protein, putative, unclassified	Chr1	13626406	13630428 +	3	2079	4.40
LOC_Os08g03290.2	glyceraldehyde-3-phosphate dehydrogenase, putative, expressed	Chr8	1525436	1529228 +	11	2012	4.40
LOC_Os02g06030.1	phytosulfokine receptor precursor, putative, expressed	Chr2	3005602	3007978 -	1	2409	4.40
LOC_Os08g03290.1	glyceraldehyde-3-phosphate dehydrogenase, putative, expressed	Chr8	1525295	1529228 +	12	2052	4.40
LOC_Os08g03290.3	glyceraldehyde-3-phosphate dehydrogenase, putative, expressed	Chr8	1525330	1529228 +	11	2272	4.40
LOC_Os05g05550.1	expressed protein	Chr5	2755047	2761436 -	3	692	4.40
LOC_Os01g64820.1	POLA1 - Putative DNA polymerase alpha catalytic subunit, expressed	Chr1	37625795	37636034 -	31	5958	4.40
LOC_Os05g30860.1	expressed protein	Chr5	17914212	17917811 -	3	2567	4.40
LOC_Os02g49150.5	RNA polymerase Rpb4, putative, expressed	Chr2	30054264	30058543 -	6	1075	4.40
LOC_Os05g19470.1	expressed protein	Chr5	11314372	11319936 +	6	1177	4.40
LOC_Os03g63990.1	transposon protein, putative, unclassified, expressed	Chr3	36165994	36171502 +	9	4467	4.40
LOC_Os01g03660.2	MYB family transcription factor, putative, expressed	Chr1	1508235	1512752 +	10	2103	4.40
LOC_Os04g40140.2	expressed protein	Chr4	23885498	23889561 -	6	1738	4.40
LOC_Os04g40140.1	expressed protein	Chr4	23885498	23887923 -	5	1753	4.40
LOC_Os01g63220.3	kinase, pfkB family, putative, expressed	Chr1	36640943	36646487 +	3	2221	4.40
LOC_Os11g02310.1	pentatricopeptide, putative, expressed	Chr11	671757	675572 +	4	3659	4.40
LOC_Os01g65260.1	amidophosphoribosyltransferase, chloroplast precursor, putative, expressed	Chr1	37866113	37868060 -	1	1980	4.40
LOC_Os07g12910.2	PHD finger protein, putative, expressed	Chr7	7415667	7418059 -	4	811	4.40
LOC_Os07g12910.4	PHD finger protein, putative, expressed	Chr7	7415665	7418059 -	4	818	4.40
LOC_Os01g70850.1	esterase, putative, expressed	Chr1	41004288	41006137 -	3	1235	4.40
LOC_Os05g04850.2	RNA recognition motif containing protein, putative, expressed	Chr5	2331059	2333054 +	2	871	4.40
LOC_Os01g62230.1	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed	Chr1	36013832	36014697 -	1	898	4.40
LOC_Os12g03710.1	RNA recognition motif containing protein, putative, expressed	Chr12	1497364	1499413 +	2	1407	4.41
LOC_Os09g33670.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr9	19878388	19882206 +	6	1944	4.41
LOC_Os01g60050.1	HEAT, putative, expressed	Chr1	34731210	34735202 -	9	1458	4.41
LOC_Os03g56840.1	GTP-binding protein, putative, expressed	Chr3	32384812	32388231 -	11	2100	4.41
LOC_Os05g15890.1	SNF2 family N-terminal domain containing protein, expressed	Chr5	8966122	8973309 -	8	3400	4.41
LOC_Os05g15890.3	SNF2 family N-terminal domain containing protein, expressed	Chr5	8966122	8973309 -	8	3400	4.41
LOC_Os05g15890.2	SNF2 family N-terminal domain containing protein, expressed	Chr5	8966122	8973309 -	8	3405	4.41
LOC_Os03g55950.3	H-BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence, Chr3	Chr3	31853917	31857850 +	4	2565	4.41

LOC_Os02g57280.1	CBS domain containing membrane protein, putative, expressed	Chr2	35092340	35094315 +	5	1689	4.41
LOC_Os02g57280.4	CBS domain containing membrane protein, putative, expressed	Chr2	35092340	35094315 +	5	1731	4.41
LOC_Os02g57280.6	CBS domain containing membrane protein, putative, expressed	Chr2	35092340	35094315 +	4	1747	4.41
LOC_Os02g57280.5	CBS domain containing membrane protein, putative, expressed	Chr2	35092340	35094315 +	4	1789	4.41
LOC_Os02g57280.7	CBS domain containing membrane protein, putative, expressed	Chr2	35092340	35094315 +	3	1847	4.41
LOC_Os02g58460.1	beta-catenin-like protein 1, putative, expressed	Chr2	35747230	35751292 -	8	2167	4.41
LOC_Os07g43740.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr7	26173595	26174386 +	1	824	4.41
LOC_Os03g56840.2	GTP-binding protein, putative, expressed	Chr3	32384812	32388231 -	10	2148	4.41
LOC_Os12g35340.1	OsGrx_C11 - glutaredoxin subgroup III, expressed	Chr12	21480112	21481075 +	1	996	4.41
LOC_Os05g45730.1	ubiquinone oxidoreductase, putative, expressed	Chr5	26494486	26497211 +	2	1214	4.42
LOC_Os11g08940.1	RNA polymerases N 8 kDa subunit, putative, expressed	Chr11	4732019	4734044 +	4	377	4.42
LOC_Os01g06920.1	resistance protein SIVe1 precursor, putative, expressed	Chr1	3282976	3286357 +	1	3414	4.42
LOC_Os05g32330.2	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr5	18845942	18849942 -	9	2348	4.42
LOC_Os07g27950.1	RING zinc finger protein, putative, expressed	Chr7	16302993	16307559 +	5	1853	4.42
LOC_Os07g27950.2	RING zinc finger protein, putative, expressed	Chr7	16302993	16307559 +	5	1850	4.42
LOC_Os01g56360.1	wax synthase, putative, expressed	Chr1	32475143	32479148 -	7	2218	4.42
LOC_Os01g55500.4	nucleobase-ascorbate transporter, putative, expressed	Chr1	31975992	31979416 +	12	2309	4.42
LOC_Os01g58280.1	OsSub8 - Putative Subtilisin homologue, expressed	Chr1	33684778	33688225 +	10	2636	4.42
LOC_Os08g41890.2	microtubule associated protein, putative, expressed	Chr8	26448418	26452961 +	10	2595	4.42
LOC_Os08g41890.1	microtubule associated protein, putative, expressed	Chr8	26448418	26452961 +	11	2544	4.42
LOC_Os09g12300.1	serine/threonine-protein kinase NAK, putative, expressed	Chr9	7015998	7016707 -	2	589	4.42
LOC_Os01g65986.1	DUF803 domain containing, putative, expressed	Chr1	38299999	38305642 +	9	2109	4.42
LOC_Os01g58620.1	expressed protein	Chr1	33890098	33891727 -	1	1662	4.43
LOC_Os08g05360.1	transposon protein, putative, unclassified, expressed	Chr8	2822433	2830063 +	12	5685	4.43
LOC_Os12g31240.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr12	18810731	18812591 +	2	945	4.43
LOC_Os07g34520.3	isocitrate lyase, putative, expressed	Chr7	20691054	20693694 -	2	2624	4.43
LOC_Os07g34520.1	isocitrate lyase, putative, expressed	Chr7	20691054	20693694 -	3	2519	4.43
LOC_Os07g34520.2	isocitrate lyase, putative, expressed	Chr7	20691054	20693521 -	2	2395	4.43
LOC_Os07g05790.1	retrotransposon protein, putative, unclassified, expressed	Chr7	2786582	2788423 +	1	1874	4.43
LOC_Os04g56290.2	aldose 1-epimerase, putative, expressed	Chr4	33557307	33563979 +	9	2930	4.43
LOC_Os05g43760.1	TCP family transcription factor, putative, expressed	Chr5	25436354	25438703 +	2	1713	4.43
LOC_Os04g44550.1	CHCH domain containing protein, expressed	Chr4	26372046	26375186 +	4	1002	4.43
LOC_Os06g09780.1	retrotransposon protein, putative, unclassified	Chr6	4979155	4980996 -	2	1675	4.43
LOC_Os04g07760.1	retrotransposon protein, putative, unclassified, expressed	Chr4	4124355	4133318 +	9	3321	4.43
LOC_Os02g54940.1	expressed protein	Chr2	33650679	33651357 +	2	487	4.43
LOC_Os02g18784.1	expressed protein	Chr2	10947696	10948612 -	1	949	4.43
LOC_Os03g18990.1	expressed protein	Chr3	10643568	10645277 +	5	1042	4.43
LOC_Os02g19629.1	expressed protein	Chr2	11473863	11474785 -	2	884	4.43
LOC_Os04g49060.1	H-BTB3 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence,	Chr4	29247374	29249631 +	2	2238	4.43
LOC_Os03g29170.2	sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating, putative, expressed	Chr3	16571965	16577763 +	10	2572	4.43
LOC_Os03g29170.1	sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating, putative, expressed	Chr3	16571944	16577834 +	12	2526	4.43
LOC_Os10g35980.1	tetraspanin family protein, putative, expressed	Chr10	19230258	19233195 -	11	1528	4.43
LOC_Os08g23470.1	B3 DNA binding domain containing protein, expressed	Chr8	14209891	14213318 -	3	2274	4.43
LOC_Os06g21340.2	rho GDP-dissociation inhibitor 1, putative, expressed	Chr6	12322948	12326083 -	4	1451	4.43
LOC_Os08g27010.1	APE1, putative, expressed	Chr8	16506115	16510326 +	9	1628	4.43

LOC_Os01g03050.1	fruit protein PKIWI502, putative, expressed	Chr1	1165737	1168415	+	5	1654	4.43
LOC_Os08g38220.1	dof zinc finger domain containing protein, putative, expressed	Chr8	24232676	24233972	+	1	1329	4.43
LOC_Os06g13580.1	expressed protein	Chr6	7498331	7500517	-	8	1270	4.44
LOC_Os02g32615.1	expressed protein	Chr2	19332473	19333623	-	1	1183	4.44
LOC_Os03g37240.1	retrotransposon protein, putative, unclassified, expressed	Chr3	20638709	20641638	+	8	2498	4.44
LOC_Os06g41060.1	helix-loop-helix DNA-binding, putative, expressed	Chr6	24522165	24527832	-	6	1271	4.44
LOC_Os05g27350.1	expressed protein	Chr5	15894885	15896386	-	1	1534	4.44
LOC_Os06g12050.1	mTERF family protein, expressed	Chr6	6458283	6459567	-	2	1311	4.44
LOC_Os04g03740.1	expressed protein	Chr4	1652403	1653677	+	2	1268	4.44
LOC_Os07g13534.1	expressed protein	Chr7	7749266	7751782	-	2	761	4.44
LOC_Os05g23700.1	DNA-binding storekeeper protein-related, putative, expressed	Chr5	13606399	13607791	+	1	1425	4.44
LOC_Os06g45130.1	expressed protein	Chr6	27294148	27295054	+	2	268	4.44
LOC_Os04g41990.1	autophagy-related protein 10, putative, expressed	Chr4	24876009	24877897	-	5	1242	4.44
LOC_Os02g22060.1	expressed protein	Chr2	13119915	13127569	-	8	2194	4.45
LOC_Os11g05110.2	pyruvate kinase, putative, expressed	Chr11	2239210	2243604	-	17	2776	4.45
LOC_Os11g05110.1	pyruvate kinase, putative, expressed	Chr11	2239210	2243499	-	16	2717	4.45
LOC_Os11g05110.3	pyruvate kinase, putative, expressed	Chr11	2239210	2243499	-	16	2712	4.45
LOC_Os01g19850.1	amino acid permease family protein, putative, expressed	Chr1	11254144	11261684	-	12	2775	4.45
LOC_Os02g52620.1	expressed protein	Chr2	32189251	32190146	+	1	928	4.45
LOC_Os04g28470.1	retrotransposon protein, putative, unclassified, expressed	Chr4	16860380	16862551	+	2	2126	4.45
LOC_Os07g44770.1	expressed protein	Chr7	26719123	26722212	-	13	2414	4.45
LOC_Os12g03594.1	OsFBX437 - F-box domain containing protein, expressed	Chr12	1436996	1445090	+	4	2959	4.45
LOC_Os02g45270.1	expressed protein	Chr2	27502723	27503874	-	1	1184	4.45
LOC_Os04g57330.1	expressed protein	Chr4	34127975	34131164	-	5	1488	4.45
LOC_Os02g47060.1	WRKY66, expressed	Chr2	28726783	28730933	+	3	1728	4.45
LOC_Os06g20354.1	PPR repeat domain containing protein, putative, expressed	Chr6	11693031	11695278	+	3	1588	4.45
LOC_Os10g35230.1	Rf1, mitochondrial precursor, putative, expressed	Chr10	18823675	18825328	-	1	1686	4.45
LOC_Os01g03040.1	expressed protein	Chr1	1160152	1164635	-	4	1177	4.45
LOC_Os01g47200.1	retrotransposon protein, putative, unclassified, expressed	Chr1	26975615	26978104	+	3	1745	4.45
LOC_Os01g08690.1	holocarboxylase synthetase, putative, expressed	Chr1	4326578	4328863	+	3	1431	4.45
LOC_Os02g37020.1	expressed protein	Chr2	22355174	22362057	+	5	2494	4.45
LOC_Os11g14180.1	expressed protein	Chr11	7931610	7935798	+	4	2839	4.45
LOC_Os01g36840.3	ATP-binding region, ATPase-like domain containing protein, expressed	Chr1	20495221	20501766	-	12	2519	4.45
LOC_Os12g41770.1	expressed protein	Chr12	25877950	25878380	-	1	463	4.45
LOC_Os05g19040.1	prefoldin, putative, expressed	Chr5	11049078	11052426	-	2	1318	4.45
LOC_Os01g65090.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr1	37779509	37782884	+	10	2016	4.45
LOC_Os01g65090.2	aminotransferase, classes I and II, domain containing protein, expressed	Chr1	37779618	37782884	+	10	1868	4.45
LOC_Os05g51800.1	peptidyl-tRNA hydrolase, mitochondrial precursor, putative, expressed	Chr5	29742839	29745605	+	8	721	4.45
LOC_Os06g36400.1	HAD superfamily phosphatase, putative, expressed	Chr6	21374013	21377313	-	3	1305	4.45
LOC_Os04g57650.1	expressed protein	Chr4	34321350	34324747	-	6	1196	4.45
LOC_Os10g42110.1	protein kinase family protein, putative, expressed	Chr10	22650009	22654267	+	10	2593	4.45
LOC_Os06g09170.2	zinc ion binding protein, putative, expressed	Chr6	4612249	4615532	+	5	1756	4.45
LOC_Os11g05160.1	DNA binding protein, putative, expressed	Chr11	2271006	2274083	+	5	1800	4.45
LOC_Os03g38010.1	nuf2 family protein, expressed	Chr3	21102128	21106012	-	11	2165	4.46
LOC_Os04g40140.3	expressed protein	Chr4	23885590	23889226	-	6	2148	4.46

LOC_Os09g14614.2	serine/arginine repetitive matrix protein 1, putative, expressed	Chr9	8665792	8667873 -	2	1578	4.46
LOC_Os12g02050.1	expressed protein	Chr12	610165	612434 +	4	1136	4.46
LOC_Os02g33020.1	SOUL heme-binding protein, putative, expressed	Chr2	19632434	19635251 +	7	1272	4.46
LOC_Os11g34130.1	expressed protein	Chr11	19985660	19989101 +	11	2575	4.46
LOC_Os10g24020.2	transposon protein, putative, unclassified, expressed	Chr10	12307922	12311609 -	6	3171	4.46
LOC_Os10g24020.1	transposon protein, putative, unclassified, expressed	Chr10	12307922	12311609 -	5	3449	4.46
LOC_Os05g08210.1	retrotransposon, putative, centromere-specific	Chr5	4472601	4473927 -	3	690	4.46
LOC_Os05g30410.1	PHF5-like protein domain containing protein, expressed	Chr5	17627044	17627376 -	1	365	4.46
LOC_Os06g21340.1	rho GDP-dissociation inhibitor 1, putative, expressed	Chr6	12322863	12326083 -	5	1461	4.46
LOC_Os04g51380.1	protein-S-isoprenylcysteine O-methyltransferase. tax, putative, expressed	Chr4	30428188	30431745 +	5	1450	4.46
LOC_Os09g39570.1	beta-amylase, putative, expressed	Chr9	22713280	22717110 +	9	3006	4.46
LOC_Os04g44590.5	expressed protein	Chr4	26387566	26391274 +	3	825	4.46
LOC_Os03g10890.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr3	5593820	5596016 +	2	1369	4.46
LOC_Os02g22084.2	expressed protein	Chr2	13137869	13141343 +	4	2036	4.46
LOC_Os01g09550.4	no apical meristem protein, putative, expressed	Chr1	4879207	4885949 -	4	5843	4.46
LOC_Os03g19000.1	peroxisomal biogenesis factor 11, putative, expressed	Chr3	10645800	10646902 +	1	1135	4.46
LOC_Os01g52780.1	HVA22, putative, expressed	Chr1	30363062	30370212 -	9	4737	4.47
LOC_Os01g59980.1	zinc finger family protein, putative, expressed	Chr1	34677991	34682230 +	4	3374	4.47
LOC_Os07g49390.1	P-protein, putative, expressed	Chr7	29579789	29583150 -	12	1939	4.47
LOC_Os02g14860.1	prefoldin subunit, putative, expressed	Chr2	8262546	8265723 +	5	1020	4.47
LOC_Os12g07830.1	OsAPx5 - Stromal Ascorbate Peroxidase encoding gene 5,8, expressed	Chr12	3960512	3964001 -	11	1678	4.47
LOC_Os07g46240.1	choline transporter-related, putative, expressed	Chr7	27590441	27594192 -	5	2511	4.47
LOC_Os01g18100.1	OsRhmbd3 - Putative Rhomboid homologue, expressed	Chr1	10137215	10140159 -	2	2020	4.47
LOC_Os03g21290.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr3	12176602	12182782 -	6	3759	4.47
LOC_Os03g11990.2	bolA, putative, expressed	Chr3	6282854	6284348 +	3	693	4.47
LOC_Os06g44280.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr6	26714866	26717570 +	3	2342	4.47
LOC_Os07g08770.1	YGGT family protein, putative, expressed	Chr7	4509152	4513785 -	2	1158	4.47
LOC_Os02g42540.1	expressed protein	Chr2	25576772	25579174 +	6	1150	4.47
LOC_Os05g04160.1	pentatricopeptide containing protein, putative, expressed	Chr5	1864582	1866495 +	1	1946	4.47
LOC_Os01g57840.1	expressed protein	Chr1	33448306	33449348 +	2	983	4.47
LOC_Os07g05440.1	retrotransposon protein, putative, unclassified, expressed	Chr7	2502663	2507764 +	1	5134	4.47
LOC_Os01g61890.4	AT hook motif family protein, expressed	Chr1	35816630	35820868 -	3	2295	4.47
LOC_Os03g38330.1	disease resistance RPP13-like protein 1, putative, expressed	Chr3	21268409	21272412 +	3	3602	4.48
LOC_Os02g40420.1	expressed protein	Chr2	24482990	24487434 -	7	2336	4.48
LOC_Os02g17280.1	gamma-secretase subunit APH-1B, putative, expressed	Chr2	9902629	9907888 +	6	1319	4.48
LOC_Os02g52650.1	chlorophyll A-B binding protein, putative, expressed	Chr2	32199522	32201722 -	6	1351	4.48
LOC_Os10g25220.1	SAP domain containing protein, expressed	Chr10	13018505	13023203 -	10	2826	4.48
LOC_Os01g71690.3	recA protein, expressed	Chr1	41539690	41545870 -	9	2874	4.48
LOC_Os01g71690.2	recA protein, expressed	Chr1	41539700	41545870 -	10	3102	4.48
LOC_Os02g52130.4	OsFBX61 - F-box domain containing protein, expressed	Chr2	31908532	31911652 +	4	1795	4.48
LOC_Os02g52130.5	OsFBX61 - F-box domain containing protein, expressed	Chr2	31908532	31911652 +	4	1800	4.48
LOC_Os08g09740.1	OsFBX274 - F-box domain containing protein, expressed	Chr8	5628896	5632266 +	5	2402	4.48
LOC_Os02g54280.1	retrotransposon protein, putative, unclassified, expressed	Chr2	33279514	33295107 -	23	6627	4.48
LOC_Os01g08540.1	DNA mismatch repair protein MSH6-2, putative, expressed	Chr1	4234514	4244531 -	17	4603	4.48
LOC_Os09g27140.2	expressed protein	Chr9	16503937	16508819 -	5	1511	4.48

LOC_Os08g09910.1	OsFBX276 - F-box domain containing protein, expressed	Chr8	5720452	5723821 +	5	1996	4.48
LOC_Os08g03590.1	expressed protein	Chr8	1677840	1680335 +	5	1010	4.48
LOC_Os01g65350.2	deoxynucleoside kinase family, putative, expressed	Chr1	37914761	37918998 -	4	3325	4.48
LOC_Os09g05020.1	tyrosine phosphatase family protein, putative, expressed	Chr9	2697267	2702668 +	5	1589	4.48
LOC_Os03g21390.1	expressed protein	Chr3	12232168	12232877 +	2	400	4.48
LOC_Os11g36410.1	NBS-LRR type disease resistance protein, putative, expressed	Chr11	21468751	21472160 -	2	3198	4.48
LOC_Os05g50290.1	hhH-GPD superfamily base excision DNA repair protein, putative, expressed	Chr5	28826577	28828063 +	1	1519	4.48
LOC_Os07g43510.1	40S ribosomal protein S9, putative, expressed	Chr7	26036088	26039317 -	3	1089	4.48
LOC_Os05g48860.1	interferon-induced guanylate-binding protein 2, putative, expressed	Chr5	28009513	28010606 -	3	956	4.48
LOC_Os02g57990.3	methionine adenosyltransferase regulatory beta subunit-related, putative, expressed	Chr2	35507155	35510879 +	5	1242	4.48
LOC_Os01g72710.1	expressed protein	Chr1	42190284	42194070 +	8	2115	4.48
LOC_Os04g15820.1	expressed protein	Chr4	8588650	8594339 +	12	3583	4.48
LOC_Os09g27830.3	OsPDIL2-3 protein disulfide isomerase PDIL2-3, expressed	Chr9	16930987	16935178 +	7	1679	4.48
LOC_Os02g19040.1	GDLS-like lipase/acylhydrolase, putative, expressed	Chr2	11116177	11120334 +	5	1730	4.48
LOC_Os05g33590.1	cytochrome P450, putative, expressed	Chr5	19742291	19744851 -	4	1944	4.48
LOC_Os07g45370.1	expressed protein	Chr7	27058608	27062284 -	2	3061	4.48
LOC_Os05g18850.1	endoribonuclease Dicer, putative, expressed	Chr5	10945615	10947989 +	3	1064	4.48
LOC_Os02g53720.2	phytosulfokine receptor precursor, putative, expressed	Chr2	32887125	32889742 +	4	1736	4.48
LOC_Os02g53720.1	phytosulfokine receptor precursor, putative, expressed	Chr2	32886843	32889742 +	6	1900	4.48
LOC_Os01g70850.2	esterase, putative, expressed	Chr1	41004305	41006137 -	2	1407	4.48
LOC_Os10g22370.1	retrotransposon protein, putative, unclassified, expressed	Chr10	11571002	11576569 -	5	2902	4.48
LOC_Os11g45750.2	WRKY125, expressed	Chr11	27683640	27690288 -	5	4419	4.48
LOC_Os02g43594.1	MSP domain containing protein, putative, expressed	Chr2	26311268	26316050 -	7	1288	4.49
LOC_Os02g43594.3	MSP domain containing protein, putative, expressed	Chr2	26309385	26316050 -	8	1226	4.49
LOC_Os02g19170.3	expressed protein	Chr2	11180103	11183158 +	2	2588	4.49
LOC_Os08g41910.1	Sua5/YciO/YrdC/YwC family protein, putative, expressed	Chr8	26464491	26467802 +	9	1463	4.49
LOC_Os06g40560.1	26S protease regulatory subunit S10B, putative, expressed	Chr6	24182506	24186597 +	10	2051	4.49
LOC_Os09g36760.1	DUF630/DUF632 domains containing protein, putative, expressed	Chr9	21208855	21213168 +	4	2469	4.50
LOC_Os01g44090.1	X8 domain containing protein, expressed	Chr1	25271543	25273512 +	4	1567	4.50
LOC_Os06g34570.1	retrotransposon protein, putative, unclassified, expressed	Chr6	20106008	20112107 +	6	2169	4.50
LOC_Os10g28340.3	heat stress transcription factor, putative, expressed	Chr10	14746101	14750175 -	5	2255	4.50
LOC_Os10g28340.5	heat stress transcription factor, putative, expressed	Chr10	14746101	14750175 -	4	2130	4.50
LOC_Os11g05180.1	expressed protein	Chr11	2278719	2279569 +	2	737	4.50
LOC_Os08g35948.2	expressed protein	Chr8	22670558	22675587 -	4	1604	4.50
LOC_Os05g11730.1	CGMC_GSK.7 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed	Chr5	6657481	6661493 -	12	2247	4.50
LOC_Os04g52361.1	ribosomal protein S17, putative, expressed	Chr4	31105992	31107930 +	6	987	4.50
LOC_Os01g21240.1	MLA6 protein, putative, expressed	Chr1	11855552	11858974 +	3	2718	4.50
LOC_Os02g21520.1	chalcone isomerase 3, putative, expressed	Chr2	12765282	12772122 +	5	1379	4.50
LOC_Os06g05630.1	GDLS-like lipase/acylhydrolase, putative, expressed	Chr6	2546752	2549257 +	5	1864	4.50
LOC_Os06g05630.2	GDLS-like lipase/acylhydrolase, putative, expressed	Chr6	2546752	2549257 +	4	1932	4.50
LOC_Os03g61120.1	anthranilate synthase component I-1, chloroplast precursor, putative, expressed	Chr3	34715396	34721075 -	11	2663	4.50
LOC_Os03g08140.2	tubulin--tyrosine ligase-like protein 12, putative, expressed	Chr3	4150736	4157416 +	14	3415	4.50
LOC_Os03g08140.1	tubulin--tyrosine ligase-like protein 12, putative, expressed	Chr3	4150750	4157419 +	15	3371	4.50
LOC_Os06g15410.1	angel, putative, expressed	Chr6	8754366	8757478 -	8	1159	4.50
LOC_Os02g02480.2	basic helix-loop-helix DND-binding domain containing protein, expressed	Chr2	876783	878615 -	4	959	4.50

LOC_Os01g06640.3	basic helix-loop-helix, putative, expressed	Chr1	3128992	3130722	+	2	1674	4.50
LOC_Os05g38490.1	growth regulator related protein, putative, expressed	Chr5	22580337	22586442	+	11	2044	4.50
LOC_Os01g50980.1	cullin, putative, expressed	Chr1	29290326	29295442	+	15	2523	4.50
LOC_Os06g49940.1	retrotransposon protein, putative, unclassified, expressed	Chr6	30234847	30236214	-	1	1400	4.51
LOC_Os02g57990.2	methionine adenosyltransferase regulatory beta subunit-related, putative, expressed	Chr2	35507155	35510879	+	6	1345	4.51
LOC_Os07g47470.1	pentatricopeptide, putative, expressed	Chr7	28373368	28375023	-	1	1688	4.51
LOC_Os01g15530.1	tetratricopeptide-like helical, putative, expressed	Chr1	8732427	8734486	+	1	2092	4.51
LOC_Os02g19850.1	hAT dimerisation domain-containing protein, putative, expressed	Chr2	11663436	11668036	-	4	2820	4.51
LOC_Os07g39920.1	formin, putative, expressed	Chr7	23944536	23950464	+	4	2951	4.51
LOC_Os06g48930.1	expressed protein	Chr6	29620476	29622473	-	2	1574	4.51
LOC_Os01g59880.1	inositol-1, 4, 5-trisphosphate 5-phosphatase, putative, expressed	Chr1	34629359	34635205	-	9	3663	4.51
LOC_Os12g41860.1	START domain containing protein, expressed	Chr12	25920639	25927353	-	18	3730	4.51
LOC_Os03g56960.1	PPR repeat domain containing protein, putative, expressed	Chr3	32440882	32443979	-	3	2926	4.51
LOC_Os03g57420.1	ML domain protein, putative, expressed	Chr3	32739717	32742759	+	4	1346	4.51
LOC_Os10g22170.2	expressed protein	Chr10	11460289	11464253	+	8	1952	4.51
LOC_Os10g22170.1	expressed protein	Chr10	11460316	11464253	+	8	1921	4.51
LOC_Os01g61890.1	AT hook motif family protein, expressed	Chr1	35817467	35820860	-	2	1513	4.51
LOC_Os03g55970.1	uncharacterized protein ycf44, putative, expressed	Chr3	31860449	31863401	-	8	2510	4.51
LOC_Os04g40340.1	expressed protein	Chr4	23984033	23987369	-	8	989	4.51
LOC_Os01g61900.1	CCT motif family protein, expressed	Chr1	35827134	35828772	-	3	1547	4.51
LOC_Os02g43594.2	MSP domain containing protein, putative, expressed	Chr2	26311268	26316083	-	7	1381	4.51
LOC_Os07g40470.1	expressed protein	Chr7	24250056	24251465	+	1	1442	4.51
LOC_Os08g02840.1	ribosome, putative, expressed	Chr8	1192971	1194666	+	2	877	4.51
LOC_Os01g58780.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr1	33968738	33970811	+	2	1576	4.52
LOC_Os10g01840.1	hypothetical protein	Chr10	540892	542632	+	3	627	4.52
LOC_Os08g41730.1	peptidase, T1 family, putative, expressed	Chr8	26342315	26344539	+	6	1294	4.52
LOC_Os03g48610.1	galactosyltransferase family protein, putative, expressed	Chr3	27715478	27720176	-	7	2081	4.52
LOC_Os07g12560.2	OsFBX224 - F-box domain containing protein, expressed	Chr7	7165536	7167725	-	2	2043	4.52
LOC_Os12g29280.1	disease resistance protein RGA3, putative, expressed	Chr12	17354834	17357230	+	1	2429	4.52
LOC_Os11g38930.1	tRNA-splicing endonuclease subunit Sen2, putative, expressed	Chr11	23176604	23178856	+	2	1199	4.52
LOC_Os04g49310.1	tRNA-splicing endonuclease positive effector-related, putative, expressed	Chr4	29431008	29434383	-	6	2569	4.52
LOC_Os01g56850.1	expressed protein	Chr1	32835841	32838252	+	2	2346	4.52
LOC_Os06g47770.1	expressed protein	Chr6	28910275	28914944	-	12	2866	4.52
LOC_Os01g51030.1	expressed protein	Chr1	29317540	29318159	+	1	652	4.52
LOC_Os12g04860.2	DTW domain containing protein, putative, expressed	Chr12	2087518	2090631	-	2	1950	4.52
LOC_Os12g42640.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr12	26500867	26504567	-	6	1839	4.53
LOC_Os02g12510.1	expressed protein	Chr2	6541264	6543574	+	4	1271	4.53
LOC_Os01g70310.1	inducer of CBF expression 2, putative, expressed	Chr1	40714145	40717179	-	5	1721	4.53
LOC_Os01g70310.2	inducer of CBF expression 2, putative, expressed	Chr1	40714145	40717179	-	4	1721	4.53
LOC_Os04g32470.1	expressed protein	Chr4	19479792	19484470	-	2	1117	4.53
LOC_Os07g10860.1	expressed protein	Chr7	5931013	5939269	+	10	1439	4.53
LOC_Os11g39540.1	14-3-3 protein, putative, expressed	Chr11	23553560	23558464	-	7	917	4.53
LOC_Os09g29780.1	expressed protein	Chr9	18096794	18100425	-	3	835	4.53
LOC_Os03g17520.1	CDP-alcohol phosphatidyltransferase, putative, expressed	Chr3	9733146	9737565	-	7	1837	4.53
LOC_Os01g40120.1	expressed protein	Chr1	22632889	22637560	-	7	1565	4.53

LOC_Os11g26890.1	expressed protein	Chr11	15447175	15450155 -	3	1576	4.53
LOC_Os05g43450.1	transcription initiation factor IIF beta subunit, putative, expressed	Chr5	25260665	25263726 -	6	1505	4.53
LOC_Os03g20850.1	exostosin family domain containing protein, expressed	Chr3	11805189	11807807 +	2	2000	4.53
LOC_Os03g02544.1	expressed protein	Chr3	939338	939908 +	1	603	4.53
LOC_Os05g48320.2	60S ribosomal protein L37a, putative, expressed	Chr5	27699747	27701354 +	3	778	4.53
LOC_Os03g06730.1	plant protein of unknown function domain containing protein, expressed	Chr3	3424904	3426962 +	2	2047	4.53
LOC_Os03g40170.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr3	22332262	22335094 +	5	1642	4.53
LOC_Os09g01680.1	DNA repair protein RAD51 homolog 4, putative, expressed	Chr9	485012	490816 -	9	1509	4.53
LOC_Os08g29370.1	peptidyl-prolyl cis-trans isomerase, chloroplast precursor, putative, expressed	Chr8	18020117	18023998 +	7	1840	4.53
LOC_Os08g29370.2	peptidyl-prolyl cis-trans isomerase, chloroplast precursor, putative, expressed	Chr8	18020081	18023998 +	7	1873	4.53
LOC_Os10g06760.1	receptor-like protein kinase precursor, putative, expressed	Chr10	3514904	3518648 +	2	3722	4.53
LOC_Os12g38850.1	DUF1336 domain containing protein, expressed	Chr12	23879858	23884982 +	10	3066	4.53
LOC_Os12g38850.3	DUF1336 domain containing protein, expressed	Chr12	23879858	23884977 +	11	2698	4.53
LOC_Os12g38850.2	DUF1336 domain containing protein, expressed	Chr12	23879858	23884977 +	11	2588	4.53
LOC_Os03g46260.1	DUF581 domain containing protein, expressed	Chr3	26152125	26155504 -	3	1849	4.53
LOC_Os01g03660.3	MYB family transcription factor, putative, expressed	Chr1	1508235	1510980 +	8	1826	4.53
LOC_Os01g66360.1	2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase, putative, expressed	Chr1	38541818	38546204 +	12	2026	4.53
LOC_Os03g08400.1	retrotransposon protein, putative, unclassified, expressed	Chr3	4293140	4297457 -	11	2647	4.53
LOC_Os12g05410.1	G10 protein, putative, expressed	Chr12	2449160	2451525 +	4	907	4.53
LOC_Os12g05410.2	G10 protein, putative, expressed	Chr12	2449160	2451525 +	4	903	4.53
LOC_Os06g39680.1	transposon protein, putative, unclassified, expressed	Chr6	23556493	23559285 +	2	2755	4.53
LOC_Os04g51380.2	protein-S-isoprenylcysteine O-methyltransferase. tax, putative, expressed	Chr4	30428216	30431745 +	6	1539	4.54
LOC_Os12g04860.1	DTW domain containing protein, putative, expressed	Chr12	2087516	2090631 -	1	3148	4.54
LOC_Os09g14614.3	serine/arginine repetitive matrix protein 1, putative, expressed	Chr9	8665792	8667873 -	2	1767	4.54
LOC_Os07g10030.1	expressed protein	Chr7	5348906	5353630 -	11	2090	4.54
LOC_Os02g44730.1	tetracycline transporter protein, putative, expressed	Chr2	27103466	27106378 +	10	2178	4.54
LOC_Os05g43582.1	tRNA methyltran, putative, expressed	Chr5	25346734	25349386 +	6	1713	4.54
LOC_Os03g55120.1	plastocyanin-like domain containing protein, putative, expressed	Chr3	31359355	31360474 -	2	1049	4.54
LOC_Os07g12560.1	OsFBX224 - F-box domain containing protein, expressed	Chr7	7165536	7167725 -	1	2222	4.54
LOC_Os08g39600.1	RNA methyltransferase, TrmH family protein, putative, expressed	Chr8	25064640	25066853 -	6	1035	4.54
LOC_Os11g04600.1	BTBA5 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Ankyrin repeat region, expressed	Chr11	1951555	1954600 +	2	2142	4.55
LOC_Os04g38026.1	transporter family protein, putative, expressed	Chr4	22627207	22633284 -	3	2886	4.55
LOC_Os06g04810.1	leucine rich repeat protein, putative, expressed	Chr6	2095566	2098813 -	1	3280	4.55
LOC_Os11g44310.1	calmodulin binding protein, putative, expressed	Chr11	26777812	26783973 +	9	2600	4.55
LOC_Os02g01710.4	peptidase family C78 domain containing protein, expressed	Chr2	391819	394223 +	6	1846	4.55
LOC_Os12g35630.3	elongation factor TS family protein, expressed	Chr12	21660651	21664125 +	2	2817	4.55
LOC_Os12g11930.1	disease resistance protein SlVe2 precursor, putative, expressed	Chr12	6506509	6509781 +	1	3305	4.55
LOC_Os12g34400.1	expressed protein	Chr12	20850016	20851258 +	4	1004	4.55
LOC_Os07g38460.1	expressed protein	Chr7	23106246	23108163 +	2	1885	4.55
LOC_Os07g13810.1	cytokinin-N-glucosyltransferase 1, putative, expressed	Chr7	7911925	7913775 +	2	1822	4.55
LOC_Os11g07020.6	fructose-bisphosphate aldolase isozyme, putative, expressed	Chr11	3488553	3491659 -	4	1214	4.55
LOC_Os03g57580.1	expressed protein	Chr3	32829131	32832506 -	3	2575	4.55
LOC_Os11g06650.1	transcription elongation factor protein, putative, expressed	Chr11	3233711	3236546 -	9	1663	4.55
LOC_Os11g26890.2	expressed protein	Chr11	15447175	15450089 -	3	1722	4.55
LOC_Os01g65640.1	expressed protein	Chr1	38106331	38107815 +	1	1517	4.55

LOC_Os01g08370.1	symbiosis-related disease resistance protein, putative, expressed	Chr1	4106828	4108541 +	1	1746	4.55
LOC_Os05g50980.1	SET domain containing protein, expressed	Chr5	29251632	29255944 +	11	2188	4.55
LOC_Os01g25600.2	tetratricopeptide repeat domain containing protein, expressed	Chr1	14507658	14513133 -	7	2388	4.55
LOC_Os03g40170.2	zinc finger, C3HC4 type domain containing protein, expressed	Chr3	22332262	22335094 +	4	1770	4.55
LOC_Os02g52130.2	OsFBX61 - F-box domain containing protein, expressed	Chr2	31908532	31911652 +	4	2123	4.55
LOC_Os02g52130.3	OsFBX61 - F-box domain containing protein, expressed	Chr2	31908532	31911652 +	3	2292	4.55
LOC_Os02g34990.2	ACT domain containing protein, putative, expressed	Chr2	20985923	20994251 +	9	2678	4.55
LOC_Os11g34060.1	retrotransposon, putative, centromere-specific, expressed	Chr11	19910516	19912154 +	2	304	4.55
LOC_Os05g19470.2	expressed protein	Chr5	11314409	11319996 +	5	1259	4.55
LOC_Os04g33200.2	heparan-alpha-glucosaminide N-acetyltransferase, putative, expressed	Chr4	20083916	20086861 -	12	1889	4.55
LOC_Os04g33200.1	heparan-alpha-glucosaminide N-acetyltransferase, putative, expressed	Chr4	20083916	20091821 -	13	2226	4.55
LOC_Os01g53560.1	phosphoesterase, putative, expressed	Chr1	30753219	30761219 +	14	2382	4.55
LOC_Os09g01680.3	DNA repair protein RAD51 homolog 4, putative, expressed	Chr9	485012	490816 -	9	1526	4.55
LOC_Os05g04890.1	expressed protein	Chr5	2351573	2354876 -	5	2767	4.55
LOC_Os05g39374.3	expressed protein	Chr5	23096724	23097842 +	3	1010	4.56
LOC_Os04g20200.1	expressed protein	Chr4	11258169	11261439 +	5	968	4.56
LOC_Os06g45340.1	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr6	27402362	27403768 -	4	1137	4.56
LOC_Os06g45340.3	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr6	27402362	27403746 -	3	1187	4.56
LOC_Os06g45340.2	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr6	27402362	27403746 -	3	1223	4.56
LOC_Os08g40680.1	glycosyl hydrolase, putative, expressed	Chr8	25758851	25759949 -	1	1131	4.56
LOC_Os01g54040.2	ATP-dependent protease La, putative, expressed	Chr1	31083055	31088007 -	10	2197	4.56
LOC_Os01g28540.2	stress regulated protein, putative, expressed	Chr1	15975324	15980624 +	6	1480	4.56
LOC_Os02g50280.1	pentatricopeptide, putative, expressed	Chr2	30698990	30701615 +	1	2658	4.56
LOC_Os01g54030.1	NADP-dependent malic enzyme, putative, expressed	Chr1	31076571	31081377 +	19	2789	4.56
LOC_Os02g31890.1	ZOS2-08 - C2H2 zinc finger protein, expressed	Chr2	18839194	18842419 -	3	1575	4.56
LOC_Os04g56290.1	aldose 1-epimerase, putative, expressed	Chr4	33557307	33563979 +	9	2502	4.56
LOC_Os03g11310.1	PPR repeat domain containing protein, putative, expressed	Chr3	5817877	5820748 +	2	2177	4.56
LOC_Os03g41120.1	expressed protein	Chr3	22856683	22861392 -	3	1355	4.56
LOC_Os09g17680.1	NAD kinase, putative, expressed	Chr9	10810135	10812498 -	5	1422	4.56
LOC_Os08g37480.2	mediator of RNA polymerase II transcription subunit 22, putative, expressed	Chr8	23744513	23747027 -	3	1066	4.56
LOC_Os01g64680.1	bolA, putative, expressed	Chr1	37526134	37526646 -	3	381	4.56
LOC_Os08g38910.1	caffeoyl-CoA O-methyltransferase, putative, expressed	Chr8	24592945	24597553 -	5	1697	4.56
LOC_Os08g38910.2	caffeoyl-CoA O-methyltransferase, putative, expressed	Chr8	24592945	24594866 -	4	1619	4.56
LOC_Os05g50160.1	DUF617 domain containing protein, expressed	Chr5	28743375	28744604 -	1	1262	4.56
LOC_Os11g29350.1	ELMO/CED-12 family protein, putative, expressed	Chr11	17028206	17032606 +	9	1667	4.57
LOC_Os11g29350.2	ELMO/CED-12 family protein, putative, expressed	Chr11	17030037	17032606 +	9	1438	4.57
LOC_Os08g39120.1	expressed protein	Chr8	24712425	24715665 +	2	2446	4.57
LOC_Os10g06630.1	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr10	3438472	3439486 +	1	1047	4.57
LOC_Os02g10590.2	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr2	5568324	5569801 -	6	986	4.57
LOC_Os07g06990.2	expressed protein	Chr7	3444957	3446867 +	1	1943	4.57
LOC_Os07g06990.1	expressed protein	Chr7	3444957	3446867 +	2	1111	4.57
LOC_Os02g34960.1	pentatricopeptide, putative, expressed	Chr2	20966831	20969333 +	1	2535	4.57
LOC_Os02g26560.1	expressed protein	Chr2	15594984	15598135 +	2	3120	4.57
LOC_Os03g37690.1	retrotransposon protein, putative, unclassified	Chr3	20901689	20902867 +	3	732	4.57
LOC_Os09g31270.1	polygalacturonase, putative, expressed	Chr9	18801144	18803450 -	3	1826	4.57

LOC_Os07g36260.1	transposon protein, putative, Pong sub-class, expressed	Chr7	21674947	21677377	-	5	1828	4.57
LOC_Os03g46490.1	40S ribosomal protein S21, putative, expressed	Chr3	26308552	26312894	-	4	746	4.57
LOC_Os08g38910.3	caffeoyl-CoA O-methyltransferase, putative, expressed	Chr8	24592945	24594866	-	3	1819	4.57
LOC_Os08g38910.4	caffeoyl-CoA O-methyltransferase, putative, expressed	Chr8	24592945	24594495	-	2	1531	4.57
LOC_Os01g58690.3	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr1	33926531	33929814	+	8	1620	4.58
LOC_Os04g44210.1	expressed protein	Chr4	26168609	26173905	-	9	2268	4.58
LOC_Os01g47330.1	ribosomal protein L7/L12 C-terminal domain containing protein, expressed	Chr1	27041791	27042669	+	1	911	4.58
LOC_Os03g17760.1	RNA recognition motif containing protein, putative, expressed	Chr3	9878025	9880930	-	6	1788	4.58
LOC_Os05g44020.1	acetyltransferase, GNAT family, putative, expressed	Chr5	25608292	25609196	+	1	937	4.58
LOC_Os06g04920.2	zinc finger family protein, putative, expressed	Chr6	2162622	2169683	-	4	1476	4.58
LOC_Os07g09450.1	heat shock protein DnaJ, putative, expressed	Chr7	4977967	4981656	-	3	937	4.58
LOC_Os01g70960.2	cytochrome c1-1, heme protein, mitochondrial precursor, putative, expressed	Chr1	41074429	41079281	+	7	2885	4.58
LOC_Os06g41410.1	expressed protein	Chr6	24819853	24830207	+	4	1013	4.58
LOC_Os06g07932.1	flavonol synthase/flavanone 3-hydroxylase, putative, expressed	Chr6	3854646	3857393	+	6	1871	4.58
LOC_Os02g03440.1	LSM domain containing protein, expressed	Chr2	1399613	1401222	-	6	618	4.58
LOC_Os02g35890.1	expressed protein	Chr2	21561848	21563276	-	3	858	4.58
LOC_Os04g53370.1	acyltransferase, putative, expressed	Chr4	31786589	31788246	+	5	1417	4.58
LOC_Os08g02540.1	adenylate kinase, putative, expressed	Chr8	1046937	1050009	+	4	1418	4.58
LOC_Os01g26174.1	OsWAK5 - OsWAK receptor-like protein kinase, expressed	Chr1	14825144	14828267	+	3	2274	4.58
LOC_Os11g05860.1	harpin-induced protein 1 domain containing protein, expressed	Chr11	2738389	2739467	-	1	1111	4.58
LOC_Os07g09625.1	expressed protein	Chr7	5113934	5115785	-	2	1107	4.58
LOC_Os05g40150.1	RGH2B, putative, expressed	Chr5	23580975	23585400	-	3	3771	4.58
LOC_Os12g17070.2	radical SAM enzyme, putative, expressed	Chr12	9766670	9772331	-	3	2158	4.58
LOC_Os07g09800.1	expressed protein	Chr7	5216004	5217096	-	1	1125	4.58
LOC_Os08g19105.1	expressed protein	Chr8	11399711	11402862	-	5	1286	4.59
LOC_Os09g21689.1	expressed protein	Chr9	13140485	13147163	-	5	1445	4.59
LOC_Os01g34430.1	expressed protein	Chr1	18979441	18989543	+	12	1787	4.59
LOC_Os05g23670.1	transcription factor jumonji, putative, expressed	Chr5	13573857	13579655	-	11	3774	4.59
LOC_Os03g56000.1	PHLOEM 2-LIKE A10, putative, expressed	Chr3	31874975	31876571	+	1	1629	4.59
LOC_Os01g44050.1	siroheme synthase, putative, expressed	Chr1	25234661	25238165	+	6	2148	4.59
LOC_Os01g10080.2	expressed protein	Chr1	5258256	5261017	+	4	1311	4.59
LOC_Os02g51070.1	starch synthase, putative, expressed	Chr2	31232888	31238210	-	8	3460	4.59
LOC_Os08g35948.1	expressed protein	Chr8	22670558	22675587	-	4	1688	4.59
LOC_Os08g31460.1	GTPase of unknown function domain containing protein, putative, expressed	Chr8	19456437	19460442	+	10	2423	4.59
LOC_Os03g49600.3	Os3bglu7 - beta-glucosidase, exo-beta-glucanase, expressed	Chr3	28240290	28245347	-	11	2429	4.59
LOC_Os03g49600.2	Os3bglu7 - beta-glucosidase, exo-beta-glucanase, expressed	Chr3	28240285	28245347	-	11	2443	4.59
LOC_Os03g49600.1	Os3bglu7 - beta-glucosidase, exo-beta-glucanase, expressed	Chr3	28240285	28245347	-	11	2447	4.59
LOC_Os03g49600.5	Os3bglu7 - beta-glucosidase, exo-beta-glucanase, expressed	Chr3	28240285	28245347	-	10	2554	4.59
LOC_Os02g53384.1	expressed protein	Chr2	32678757	32681169	+	4	2274	4.59
LOC_Os01g55960.1	pentatricopeptide, putative, expressed	Chr1	32231125	32232573	-	1	1481	4.60
LOC_Os06g12790.3	ras-related protein, putative, expressed	Chr6	6990939	6994556	+	6	2965	4.60
LOC_Os01g56860.1	WD domain, G-beta repeat domain containing protein, expressed	Chr1	32838523	32842473	-	12	2203	4.60
LOC_Os01g59800.3	EAP30/Vps36 family domain containing protein, expressed	Chr1	34585608	34587173	-	2	1395	4.60
LOC_Os02g58170.1	transposon protein, putative, unclassified, expressed	Chr2	35595613	35603610	+	13	2996	4.60
LOC_Os12g10720.1	glutathione S-transferase, putative, expressed	Chr12	5756436	5760088	+	10	1608	4.60

LOC_Os12g10720.2	glutathione S-transferase, putative, expressed	Chr12	5756436	5760088 +	10	1616	4.60
LOC_Os06g47834.2	expressed protein	Chr6	28952913	28953456 +	1	576	4.60
LOC_Os06g47834.1	expressed protein	Chr6	28950823	28953456 +	2	632	4.60
LOC_Os07g02110.1	expressed protein	Chr7	667744	669217 +	2	865	4.60
LOC_Os02g52130.1	OsFBX61 - F-box domain containing protein, expressed	Chr2	31908532	31911697 +	4	2173	4.60
LOC_Os09g15639.1	expressed protein	Chr9	9544294	9546480 +	2	1731	4.60
LOC_Os01g47650.1	vacuolar protein sorting-associated protein 16, putative, expressed	Chr1	27257381	27266486 +	15	3527	4.60
LOC_Os12g42760.1	type IIB DNA topoisomerase, putative, expressed	Chr12	26577956	26581040 +	3	2178	4.60
LOC_Os08g38990.2	WRKY30, expressed	Chr8	24645880	24649829 -	8	2864	4.60
LOC_Os08g38990.4	WRKY30, expressed	Chr8	24645860	24649860 -	8	2915	4.60
LOC_Os01g62260.1	thaumatin, putative, expressed	Chr1	36029785	36030969 -	1	1217	4.60
LOC_Os04g39970.1	vacuolar sorting protein 9 domain-containing protein, putative, expressed	Chr4	23790789	23792871 -	2	1193	4.60
LOC_Os03g50620.1	ATP binding protein, putative, expressed	Chr3	28901044	28906929 +	9	1806	4.60
LOC_Os03g02110.1	WD domain, G-beta repeat domain containing protein, expressed	Chr3	674687	681881 +	20	5491	4.60
LOC_Os03g02110.2	WD domain, G-beta repeat domain containing protein, expressed	Chr3	674687	681881 +	20	5486	4.60
LOC_Os01g33784.1	lipase family protein, putative, expressed	Chr1	18595126	18597589 +	5	1693	4.61
LOC_Os08g09300.2	expressed protein	Chr8	5395453	5398851 +	5	945	4.61
LOC_Os01g07250.1	saposin-like type B, region 1 family protein, putative, expressed	Chr1	3422011	3425559 +	6	1913	4.61
LOC_Os08g37840.1	phosphate-induced protein 1 conserved region domain containing protein, expressed	Chr8	23969345	23970659 -	1	1347	4.61
LOC_Os05g47890.1	WD domain, G-beta repeat domain containing protein, expressed	Chr5	27459362	27461864 -	2	1476	4.61
LOC_Os01g28540.1	stress regulated protein, putative, expressed	Chr1	15975324	15980624 +	7	1539	4.61
LOC_Os03g49600.4	Os3bglu7 - beta-glucosidase, exo-beta-glucanase, expressed	Chr3	28240285	28245347 -	9	2587	4.61
LOC_Os03g46400.1	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed	Chr3	26237169	26239446 -	1	2310	4.61
LOC_Os04g49540.1	expressed protein	Chr4	29541427	29544700 -	4	2139	4.61
LOC_Os11g45750.1	WRKY125, expressed	Chr11	27683753	27695070 -	5	4981	4.61
LOC_Os03g15240.1	expressed protein	Chr3	8337593	8339497 +	3	375	4.61
LOC_Os02g44740.1	expressed protein	Chr2	27105464	27110709 -	3	1821	4.61
LOC_Os02g54870.1	expressed protein	Chr2	33604348	33606002 +	2	1597	4.62
LOC_Os12g43000.1	retrotransposon protein, putative, unclassified, expressed	Chr12	26714543	26718178 -	7	2884	4.62
LOC_Os11g42430.1	transporter family protein, putative, expressed	Chr11	25536945	25540452 -	17	2400	4.62
LOC_Os02g53150.1	expressed protein	Chr2	32535375	32536898 -	1	1556	4.62
LOC_Os06g30420.1	PPR repeat domain containing protein, putative, expressed	Chr6	17576997	17578925 -	1	1961	4.62
LOC_Os05g19470.5	expressed protein	Chr5	11314659	11319175 +	5	1182	4.62
LOC_Os05g45870.1	OsFBL25 - F-box domain and LRR containing protein, expressed	Chr5	26575670	26578440 +	4	2203	4.62
LOC_Os01g45520.1	D-mannose binding lectin family protein, expressed	Chr1	25836151	25839983 +	3	2328	4.62
LOC_Os10g07400.2	disease resistance RPP13-like protein 1, putative, expressed	Chr10	3908102	3912672 -	3	3330	4.62
LOC_Os04g16450.1	aquaporin protein, putative, expressed	Chr4	8948206	8950028 -	3	1725	4.62
LOC_Os04g51809.2	expressed protein	Chr4	30716167	30722227 +	3	1881	4.62
LOC_Os02g19629.2	expressed protein	Chr2	11470576	11474785 -	3	813	4.62
LOC_Os11g07960.1	transferase family protein, putative, expressed	Chr11	4128529	4130571 -	2	1560	4.62
LOC_Os01g62890.1	prenylated rab acceptor, putative, expressed	Chr1	36420024	36422893 -	8	1482	4.62
LOC_Os01g62890.2	prenylated rab acceptor, putative, expressed	Chr1	36420027	36422893 -	7	1523	4.62
LOC_Os05g31330.1	retrotransposon protein, putative, unclassified, expressed	Chr5	18209847	18211697 -	1	1883	4.62
LOC_Os03g19350.1	OsLonP1 - Putative Lon protease homologue, expressed	Chr3	10887716	10898989 -	18	3541	4.62
LOC_Os04g26330.1	expressed protein	Chr4	15350426	15352064 -	2	397	4.62

LOC_Os12g22760.1	expressed protein	Chr12	12845194	12851765 +	10	2766	4.62
LOC_Os02g54000.1	mRNA cap guanine-N7 methyltransferase 2, putative, expressed	Chr2	33073135	33077179 +	12	2283	4.62
LOC_Os10g13800.1	ufm1-conjugating enzyme 1, putative, expressed	Chr10	7496087	7498986 +	3	1652	4.62
LOC_Os02g52130.7	OsFBX61 - F-box domain containing protein, expressed	Chr2	31908532	31911652 +	3	2182	4.62
LOC_Os02g52130.8	OsFBX61 - F-box domain containing protein, expressed	Chr2	31908532	31911652 +	3	2187	4.62
LOC_Os02g52130.6	OsFBX61 - F-box domain containing protein, expressed	Chr2	31908532	31911652 +	3	2217	4.62
LOC_Os02g52130.9	OsFBX61 - F-box domain containing protein, expressed	Chr2	31908532	31911652 +	2	2351	4.62
LOC_Os04g32590.1	transcription factor, putative, expressed	Chr4	19613118	19615783 -	3	1086	4.63
LOC_Os06g04920.1	zinc finger family protein, putative, expressed	Chr6	2162737	2169683 -	5	1464	4.63
LOC_Os06g47250.1	DUF292 domain containing protein, expressed	Chr6	28644140	28648820 -	7	2507	4.63
LOC_Os02g39350.1	eukaryotic translation initiation factor 2A, putative, expressed	Chr2	23749032	23753236 -	13	2532	4.63
LOC_Os01g04900.1	peptidase M50 family protein, putative, expressed	Chr1	2266281	2271051 -	13	2470	4.63
LOC_Os05g39374.2	expressed protein	Chr5	23096724	23097842 +	2	1075	4.63
LOC_Os05g39374.1	expressed protein	Chr5	23096724	23097842 +	1	1151	4.63
LOC_Os10g42090.1	AGAP003819-PA, putative, expressed	Chr10	22636085	22640106 +	6	1106	4.63
LOC_Os02g39290.2	TRAF-type zinc finger family protein, expressed	Chr2	23726238	23729125 -	2	714	4.63
LOC_Os11g01340.3	omega-3 fatty acid desaturase, chloroplast precursor, putative, expressed	Chr11	199733	203904 -	8	2103	4.63
LOC_Os11g01340.2	omega-3 fatty acid desaturase, chloroplast precursor, putative, expressed	Chr11	199733	203904 -	8	2107	4.63
LOC_Os11g01340.4	omega-3 fatty acid desaturase, chloroplast precursor, putative, expressed	Chr11	199733	203904 -	7	2155	4.63
LOC_Os02g57990.1	methionine adenosyltransferase regulatory beta subunit-related, putative, expressed	Chr2	35507155	35510880 +	6	1435	4.63
LOC_Os01g47810.1	S-locus-like receptor protein kinase, putative, expressed	Chr1	27366317	27368704 -	1	2420	4.63
LOC_Os02g57740.1	expressed protein	Chr2	35355316	35357125 +	6	1104	4.63
LOC_Os01g63220.2	kinase, pfkB family, putative, expressed	Chr1	36640943	36647156 +	4	2486	4.63
LOC_Os02g52390.1	M16 domain containing zinc peptidase, putative, expressed	Chr2	32062238	32070456 +	19	5294	4.63
LOC_Os07g33050.1	expressed protein	Chr7	19740385	19742856 -	4	2332	4.63
LOC_Os08g16830.1	retrotransposon protein, putative, SINE subclass, expressed	Chr8	10294174	10295184 -	2	926	4.63
LOC_Os02g50100.1	SET domain-containing protein, putative, expressed	Chr2	30593495	30596223 +	5	1885	4.63
LOC_Os01g03720.1	MYB family transcription factor, putative, expressed	Chr1	1549229	1551011 -	3	1685	4.64
LOC_Os08g21700.1	DCL, chloroplast precursor, putative, expressed	Chr8	13000764	13005578 -	3	979	4.64
LOC_Os11g38920.2	HVA22, putative, expressed	Chr11	23171897	23176348 +	6	1675	4.64
LOC_Os01g68440.3	expressed protein	Chr1	39775467	39776787 +	5	982	4.64
LOC_Os12g40770.1	ankyrin-1, putative, expressed	Chr12	25236011	25240748 +	11	2165	4.64
LOC_Os12g29520.3	auxin response factor, putative, expressed	Chr12	17571537	17577896 -	15	4099	4.64
LOC_Os12g29520.4	auxin response factor, putative, expressed	Chr12	17571537	17577896 -	15	4099	4.64
LOC_Os12g29520.1	auxin response factor, putative, expressed	Chr12	17571537	17577896 -	15	4102	4.64
LOC_Os12g29520.2	auxin response factor, putative, expressed	Chr12	17571537	17577896 -	15	4119	4.64
LOC_Os12g29520.5	auxin response factor, putative, expressed	Chr12	17571537	17577896 -	14	4149	4.64
LOC_Os11g43960.1	mitochondrial carrier protein, putative, expressed	Chr11	26549874	26552470 +	3	1705	4.64
LOC_Os07g05960.1	expressed protein	Chr7	2883039	2892647 -	28	5279	4.64
LOC_Os01g61410.3	NADH-ubiquinone oxidoreductase, mitochondrial precursor, putative, expressed	Chr1	35508867	35512813 +	7	1863	4.64
LOC_Os10g42090.2	AGAP003819-PA, putative, expressed	Chr10	22636085	22640106 +	4	1974	4.64
LOC_Os05g26660.1	NADH-ubiquinone oxidoreductase, mitochondrial precursor, putative, expressed	Chr5	15482300	15488221 -	10	2514	4.64
LOC_Os11g39350.2	expressed protein	Chr11	23421717	23426690 -	3	2480	4.64
LOC_Os12g16410.2	isoflavone reductase, putative, expressed	Chr12	9398428	9400411 -	2	1006	4.64
LOC_Os03g04490.1	cyclin-dependent kinase inhibitor, putative, expressed	Chr3	2088673	2091770 +	3	1257	4.64

LOC_Os07g01890.1	expressed protein	Chr7	535602	538037 -	4	2150	4.64
LOC_Os07g36260.2	transposon protein, putative, Pong sub-class, expressed	Chr7	21674777	21678256 -	5	2254	4.64
LOC_Os07g01890.2	expressed protein	Chr7	535602	538317 -	3	2584	4.64
LOC_Os10g35030.2	IAP100, putative, expressed	Chr10	18687523	18693653 -	11	2803	4.64
LOC_Os11g35740.1	retrotransposon protein, putative, Ty1-copia subclass, expressed	Chr11	20979819	20984348 -	4	3323	4.64
LOC_Os05g01230.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr5	155313	160214 +	9	3110	4.64
LOC_Os12g06620.1	deoxyhypusine hydroxylase, putative, expressed	Chr12	3208470	3211798 -	8	1891	4.65
LOC_Os04g29350.1	retrotransposon protein, putative, unclassified, expressed	Chr4	17425173	17437135 -	14	4486	4.65
LOC_Os04g45821.1	expressed protein	Chr4	27133034	27135595 +	4	1262	4.65
LOC_Os01g66230.1	csAtPR5, putative, expressed	Chr1	38471695	38475218 -	3	1981	4.65
LOC_Os04g39270.1	indole-3-glycerol phosphate synthase, chloroplast precursor, putative, expressed	Chr4	23362168	23365712 -	10	1893	4.65
LOC_Os03g18830.2	programmed cell death protein 2, putative, expressed	Chr3	10552724	10556172 -	10	1930	4.65
LOC_Os06g45380.1	vacuolar-sorting receptor precursor, putative, expressed	Chr6	27433318	27441148 +	14	3364	4.65
LOC_Os01g17020.1	glycosyl hydrolases family 17 protein, putative, expressed	Chr1	9750080	9753770 +	3	1303	4.65
LOC_Os08g15460.2	preprotein translocase subunit secY, putative, expressed	Chr8	9405688	9411734 +	8	2485	4.65
LOC_Os05g13300.1	helicase, putative, expressed	Chr5	7367166	7374483 -	11	3695	4.65
LOC_Os01g20740.1	retrotransposon protein, putative, unclassified, expressed	Chr1	11549976	11552644 -	2	2365	4.65
LOC_Os10g35750.1	pentatricopeptide, putative, expressed	Chr10	19108875	19111044 +	2	2142	4.65
LOC_Os04g33060.1	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr4	20015750	20019634 +	7	1643	4.65
LOC_Os09g38720.1	mTERF domain containing protein, expressed	Chr9	22255999	22259924 +	10	2324	4.65
LOC_Os01g21960.1	serine/threonine-protein kinase, putative, expressed	Chr1	12326486	12331776 +	8	2644	4.65
LOC_Os11g43900.1	translationally-controlled tumor protein, putative, expressed	Chr11	26510871	26513134 -	5	1139	4.65
LOC_Os11g43900.2	translationally-controlled tumor protein, putative, expressed	Chr11	26510871	26513134 -	4	1297	4.65
LOC_Os05g15360.6	expressed protein	Chr5	8691776	8696460 -	2	4666	4.65
LOC_Os02g57990.4	methionine adenosyltransferase regulatory beta subunit-related, putative, expressed	Chr2	35507155	35510879 +	6	1565	4.65
LOC_Os02g58580.4	cation efflux family protein, putative, expressed	Chr2	35807045	35812446 +	9	1742	4.65
LOC_Os02g58580.1	cation efflux family protein, putative, expressed	Chr2	35807045	35812446 +	9	1720	4.65
LOC_Os02g58580.2	cation efflux family protein, putative, expressed	Chr2	35807045	35812446 +	10	1677	4.65
LOC_Os01g16550.1	expressed protein	Chr1	9394361	9396460 -	3	357	4.65
LOC_Os11g19720.1	recA protein, putative, expressed	Chr11	11361743	11368591 -	8	2078	4.65
LOC_Os01g54740.1	transposon protein, putative, unclassified, expressed	Chr1	31497674	31498418 +	1	777	4.65
LOC_Os11g43600.1	peptide chain release factor protein, putative, expressed	Chr11	26306075	26310454 +	15	2133	4.66
LOC_Os05g31040.1	cytokinin dehydrogenase precursor, putative, expressed	Chr5	18033251	18035399 +	5	1963	4.66
LOC_Os02g22084.1	expressed protein	Chr2	13137869	13141343 +	3	2585	4.66
LOC_Os07g48810.2	parvulin-type peptidyl prolyl cis/trans isomerase, putative, expressed	Chr7	29209563	29212778 +	7	1463	4.66
LOC_Os02g48190.1	expressed protein	Chr2	29502650	29506701 -	2	2452	4.66
LOC_Os04g25570.1	protein phosphatase 2C, putative, expressed	Chr4	14821182	14826775 -	5	2213	4.66
LOC_Os05g31780.2	adaptor complexes medium subunit family domain containing protein, expressed	Chr5	18508440	18512695 -	8	2124	4.66
LOC_Os03g58930.1	expressed protein	Chr3	33553558	33556161 +	5	859	4.66
LOC_Os06g15820.1	NHL repeat-containing protein, putative, expressed	Chr6	8977312	8981633 -	7	2384	4.66
LOC_Os03g30092.1	expressed protein	Chr3	17172464	17174192 -	3	727	4.66
LOC_Os01g49060.1	prenyltransferase, putative, expressed	Chr1	28187853	28193358 +	11	2313	4.66
LOC_Os04g30180.1	F-box/LRR-repeat protein 14, putative, expressed	Chr4	18012199	18015102 +	2	2255	4.67
LOC_Os07g38370.1	expressed protein	Chr7	23058569	23059595 -	1	1059	4.67
LOC_Os07g33224.1	BNR/Asp-box repeat family protein, putative, expressed	Chr7	19856175	19857873 +	7	1340	4.67

LOC_Os01g28690.1	nucleoporin autopeptidase domain containing protein, expressed	Chr1	16061947	16067662 +	8	2400	4.67
LOC_Os10g35030.3	IAP100, putative, expressed	Chr10	18687523	18693653 -	11	2780	4.67
LOC_Os10g35030.1	IAP100, putative, expressed	Chr10	18687523	18693653 -	11	2813	4.67
LOC_Os02g05730.1	protein kinase domain containing protein, expressed	Chr2	2816880	2824133 -	12	3329	4.67
LOC_Os11g39350.1	expressed protein	Chr11	23421717	23426690 -	4	2660	4.67
LOC_Os09g09490.1	disease resistance protein RPM1, putative, expressed	Chr9	5108210	5112958 +	4	3277	4.67
LOC_Os02g45700.2	fringe-related protein, putative, expressed	Chr2	27803398	27805631 -	2	2166	4.67
LOC_Os01g49060.2	prenyltransferase, putative, expressed	Chr1	28187863	28193349 +	11	2307	4.67
LOC_Os08g10630.1	metal cation transporter, putative, expressed	Chr8	6267823	6270905 +	3	1819	4.67
LOC_Os02g16709.1	peptidase, putative, expressed	Chr2	9544161	9550627 +	6	1633	4.67
LOC_Os10g40324.1	expressed protein	Chr10	21601595	21613523 +	12	5035	4.67
LOC_Os01g39890.1	transposon protein, putative, unclassified, expressed	Chr1	22494356	22500816 -	4	3032	4.67
LOC_Os08g03120.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr8	1420754	1427323 +	5	2683	4.67
LOC_Os05g27304.1	peptide transporter PTR2, putative, expressed	Chr5	15866239	15873589 +	3	2279	4.67
LOC_Os01g66890.3	BTBZ1 - Bric-a-Brac, Tramtrack, and Broad Complex BTB domain with TAZ zinc finger and Calmod	Chr1	38843725	38846536 +	6	1697	4.67
LOC_Os07g20544.3	aspartokinase, chloroplast precursor, putative, expressed	Chr7	11867784	11874242 -	7	1350	4.67
LOC_Os03g03650.1	POLD2 - Putative DNA polymerase delta complex subunit, expressed	Chr3	1612325	1616443 -	14	2433	4.67
LOC_Os03g25050.1	chaperonin, putative, expressed	Chr3	14298390	14301345 -	3	767	4.67
LOC_Os01g58610.1	phosphoglycerate kinase protein, putative, expressed	Chr1	33884920	33887413 +	5	1318	4.68
LOC_Os03g55870.1	membrane associated DUF588 domain containing protein, putative, expressed	Chr3	31802310	31804183 +	3	1559	4.68
LOC_Os03g55870.2	membrane associated DUF588 domain containing protein, putative, expressed	Chr3	31802310	31804152 +	2	1604	4.68
LOC_Os12g42970.1	GATA zinc finger domain containing protein, expressed	Chr12	26693519	26696516 +	2	1520	4.68
LOC_Os03g48390.1	expressed protein	Chr3	27552157	27554236 +	2	328	4.68
LOC_Os10g41240.2	dual specificity protein phosphatase, putative, expressed	Chr10	22161905	22165064 -	5	1548	4.68
LOC_Os10g20230.1	expressed protein	Chr10	10162871	10165082 +	2	2168	4.68
LOC_Os06g33370.1	expressed protein	Chr6	19438625	19441380 -	2	1347	4.68
LOC_Os04g38850.1	expressed protein	Chr4	23094207	23095901 -	3	954	4.68
LOC_Os12g14126.1	retrotransposon protein, putative, Ty1-copia subclass, expressed	Chr12	8015779	8019944 +	1	4198	4.68
LOC_Os01g14070.1	60S ribosomal protein L18a-1, putative, expressed	Chr1	7876233	7878802 +	4	878	4.68
LOC_Os01g08760.1	choline/ethanolamine kinase, putative, expressed	Chr1	4395154	4397000 +	7	1277	4.68
LOC_Os01g08814.1	expressed protein	Chr1	4423892	4426884 -	5	1283	4.69
LOC_Os01g08814.3	expressed protein	Chr1	4423892	4426884 -	5	1283	4.69
LOC_Os01g08814.2	expressed protein	Chr1	4423892	4426884 -	5	1278	4.69
LOC_Os01g49060.3	prenyltransferase, putative, expressed	Chr1	28187863	28193349 +	10	2364	4.69
LOC_Os11g18044.1	peptide transporter PTR2, putative, expressed	Chr11	10133345	10144004 +	5	2383	4.69
LOC_Os02g28720.1	spotted leaf 11, putative, expressed	Chr2	16981477	16985654 -	2	1944	4.69
LOC_Os04g38750.1	plastid-specific 30S ribosomal protein 3, chloroplast precursor, putative, expressed	Chr4	23027339	23029083 +	2	965	4.69
LOC_Os06g08550.1	BTBN14 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3	Chr6	4229184	4233157 -	4	2493	4.69
LOC_Os08g45070.1	expressed protein	Chr8	28293562	28293927 +	1	398	4.69
LOC_Os01g28690.2	nucleoporin autopeptidase domain containing protein, expressed	Chr1	16062021	16067662 +	8	2521	4.69
LOC_Os01g63830.1	dehydrodolichyl diphosphate synthase, putative, expressed	Chr1	37034026	37036018 -	4	1685	4.69
LOC_Os01g04710.1	aspartic proteinase, putative, expressed	Chr1	2120381	2122366 +	1	2018	4.69
LOC_Os07g47700.1	NAD dependent epimerase/dehydratase family domain containing protein, expressed	Chr7	28494715	28498126 +	5	2095	4.69
LOC_Os01g70720.1	expressed protein	Chr1	40937817	40941018 -	3	3109	4.69
LOC_Os01g70720.2	expressed protein	Chr1	40937817	40941018 -	4	3029	4.69

LOC_Os01g58690.2	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr1	33926609	33929814	+	8	1643	4.69
LOC_Os02g57280.8	CBS domain containing membrane protein, putative, expressed	Chr2	35092340	35094315	+	2	1923	4.69
LOC_Os02g45700.1	fringe-related protein, putative, expressed	Chr2	27803398	27805631	-	2	2189	4.69
LOC_Os07g48810.1	parvulin-type peptidyl prolyl cis/trans isomerase, putative, expressed	Chr7	29209556	29212778	+	8	1625	4.69
LOC_Os06g42430.2	expressed protein	Chr6	25498385	25501058	+	3	954	4.69
LOC_Os06g42430.3	expressed protein	Chr6	25498418	25501058	+	3	947	4.69
LOC_Os03g26970.1	peptidase, T1 family, putative, expressed	Chr3	15420148	15424724	+	11	1650	4.69
LOC_Os03g58390.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr3	33267192	33272302	+	7	2004	4.69
LOC_Os12g33230.1	OsFBL60 - F-box domain and LRR containing protein, expressed	Chr12	20100274	20103255	+	3	2273	4.69
LOC_Os01g42050.1	DNL zinc finger domain containing protein, putative, expressed	Chr1	23840853	23843547	-	4	677	4.69
LOC_Os03g03080.1	expressed protein	Chr3	1276308	1276989	+	2	394	4.69
LOC_Os11g11770.1	disease resistance protein RPM1, putative, expressed	Chr11	6532861	6535926	-	1	3098	4.69
LOC_Os06g44410.1	histidine kinase, putative, expressed	Chr6	26807861	26813600	+	12	3408	4.69
LOC_Os03g05225.1	expressed protein	Chr3	2534162	2535545	+	5	829	4.70
LOC_Os09g33910.1	CAMK_CAMK_like.39 - CAMK includes calcium/calmodulin dependent protein kinases, expressed	Chr9	20015571	20019391	-	8	2444	4.70
LOC_Os01g05640.1	receptor-like protein kinase 5 precursor, putative, expressed	Chr1	2688623	2692186	-	3	3403	4.70
LOC_Os04g18200.1	dihydrodipicolinate synthase, chloroplast precursor, putative, expressed	Chr4	10061764	10065209	+	3	1721	4.70
LOC_Os10g31930.1	shugoshin-1, putative, expressed	Chr10	16766843	16769298	+	8	1970	4.70
LOC_Os02g58490.1	PINHEAD, putative, expressed	Chr2	35761133	35768407	-	23	4383	4.70
LOC_Os09g36976.1	trafficking protein particle complex subunit, putative, expressed	Chr9	21330727	21332728	-	5	904	4.70
LOC_Os06g37070.1	expressed protein	Chr6	21883125	21884995	+	3	325	4.70
LOC_Os10g03600.2	OsFBX343 - F-box domain containing protein, expressed	Chr10	1556748	1560612	+	3	2119	4.70
LOC_Os10g20230.2	expressed protein	Chr10	10162871	10165035	+	1	2197	4.70
LOC_Os04g59380.1	ZOS4-14 - C2H2 zinc finger protein, expressed	Chr4	35297598	35300349	+	2	1954	4.70
LOC_Os12g13295.1	expressed protein	Chr12	7409322	7411885	+	4	1680	4.70
LOC_Os05g43820.1	ras-related protein, putative, expressed	Chr5	25474799	25477027	+	8	1407	4.70
LOC_Os01g62750.1	expressed protein	Chr1	36325683	36336561	-	13	1839	4.70
LOC_Os07g09890.1	hexokinase, putative, expressed	Chr7	5256320	5259795	+	9	2291	4.71
LOC_Os07g41580.1	histone-like transcription factor and archaeal histone, putative, expressed	Chr7	24921007	24921998	-	1	1024	4.71
LOC_Os09g07614.1	expressed protein	Chr9	3826022	3827027	-	2	969	4.71
LOC_Os03g34280.1	expressed protein	Chr3	19511670	19515607	+	3	1137	4.71
LOC_Os10g37630.1	UBX domain-containing protein, putative, expressed	Chr10	20135405	20139758	-	4	1897	4.71
LOC_Os02g10600.1	OsFBA1 - F-box and FBA domain containing protein, expressed	Chr2	5573182	5578016	+	2	3590	4.71
LOC_Os08g06630.3	RNA polymerase sigma factor, putative, expressed	Chr8	3732515	3734637	+	4	1659	4.71
LOC_Os05g49170.1	cold acclimation protein WCOR413, putative, expressed	Chr5	28213808	28216045	-	6	1272	4.71
LOC_Os07g12520.1	zinc ion binding protein, putative, expressed	Chr7	7145539	7149827	+	6	3098	4.71
LOC_Os03g50210.1	DUF292 domain containing protein, expressed	Chr3	28631644	28633378	+	3	1604	4.71
LOC_Os08g37130.1	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed	Chr8	23463933	23468392	+	5	1608	4.71
LOC_Os01g58690.1	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr1	33926601	33929805	+	8	1646	4.71
LOC_Os01g66180.1	cytochrome c, putative, expressed	Chr1	38443627	38446431	+	3	803	4.71
LOC_Os07g28400.1	CDGSH iron sulfur domain-containing protein 1, putative, expressed	Chr7	16599911	16602036	-	2	875	4.71
LOC_Os06g05870.1	dual specificity protein phosphatase, putative, expressed	Chr6	2685192	2688219	+	6	1070	4.72
LOC_Os03g55950.1	H-BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence, expressed	Chr3	31853932	31857938	+	5	2574	4.72
LOC_Os03g55950.4	H-BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence, expressed	Chr3	31853872	31857850	+	5	2506	4.72
LOC_Os05g22894.1	expressed protein	Chr5	13006264	13010183	+	4	2418	4.72

LOC_Os12g19090.1	metalloprotease ATP23, putative, expressed	Chr12	11081124	11083634 -	5	1171	4.72
LOC_Os02g32110.1	exostosin family domain containing protein, expressed	Chr2	18972815	18976369 -	4	1901	4.72
LOC_Os05g07280.1	expressed protein	Chr5	3856578	3859257 -	1	2712	4.72
LOC_Os03g58520.1	green ripe-like, putative, expressed	Chr3	33325003	33327288 +	3	1243	4.72
LOC_Os02g19804.1	Zinc finger C-x8-C-x5-C-x3-H type domain containing protein, expressed	Chr2	11578489	11583591 +	2	1574	4.73
LOC_Os02g18840.1	phosphatidylinositol 3- and 4-kinase family protein, putative, expressed	Chr2	10994203	10997638 -	5	2852	4.73
LOC_Os11g20490.1	expressed protein	Chr11	11870410	11873501 -	4	431	4.73
LOC_Os01g53630.1	ulp1 protease family protein, putative, expressed	Chr1	30788730	30796556 -	12	2344	4.73
LOC_Os08g09950.1	acyl-desaturase, chloroplast precursor, putative, expressed	Chr8	5751669	5753747 -	2	1837	4.73
LOC_Os03g57580.3	expressed protein	Chr3	32829131	32832506 -	4	1971	4.73
LOC_Os08g16030.1	expressed protein	Chr8	9780201	9781984 +	2	953	4.73
LOC_Os04g23849.1	expressed protein	Chr4	13618723	13625051 -	5	1178	4.73
LOC_Os03g06990.1	oxidoreductase, putative, expressed	Chr3	3566777	3568821 +	7	1058	4.73
LOC_Os08g43360.3	RNA recognition motif containing protein, putative, expressed	Chr8	27397948	27402221 +	7	2621	4.73
LOC_Os01g69030.1	sucrose-phosphate synthase, putative, expressed	Chr1	40101404	40107116 -	13	4155	4.73
LOC_Os01g69030.3	sucrose-phosphate synthase, putative, expressed	Chr1	40101404	40107104 -	12	4185	4.73
LOC_Os01g69030.4	sucrose-phosphate synthase, putative, expressed	Chr1	40101404	40107186 -	13	4187	4.73
LOC_Os01g69030.2	sucrose-phosphate synthase, putative, expressed	Chr1	40101404	40107186 -	13	4221	4.73
LOC_Os06g20410.1	BAH domain containing protein, expressed	Chr6	11725804	11734594 -	6	2919	4.73
LOC_Os01g53190.1	expressed protein	Chr1	30555330	30557784 +	5	682	4.73
LOC_Os07g42490.1	sucrose synthase, putative, expressed	Chr7	25429639	25435182 +	16	3332	4.73
LOC_Os07g42490.2	sucrose synthase, putative, expressed	Chr7	25429639	25435177 +	16	3468	4.73
LOC_Os10g03669.2	expressed protein	Chr10	1642417	1644857 -	5	2070	4.74
LOC_Os03g60910.1	PPR repeat domain containing protein, putative, expressed	Chr3	34609761	34614454 -	5	3622	4.74
LOC_Os05g43470.1	outer membrane protein, OMP85 family, putative, expressed	Chr5	25267900	25272219 -	11	2129	4.74
LOC_Os05g32350.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr5	18862637	18867284 +	6	2505	4.74
LOC_Os08g25280.1	pentatricopeptide, putative, expressed	Chr8	15354219	15357294 +	1	3108	4.74
LOC_Os04g40190.1	circumsporozoite protein, putative, expressed	Chr4	23915728	23917015 -	1	1320	4.74
LOC_Os01g66890.1	BTBZ1 - Bric-a-Brac, Tramtrack, and Broad Complex BTB domain with TAZ zinc finger and Calmod	Chr1	38843725	38846536 +	6	1732	4.74
LOC_Os04g54820.2	programmed cell death 2 C-terminal domain-containing protein, putative, expressed	Chr4	32600309	32603388 +	6	2225	4.74
LOC_Os12g38620.3	bromodomain associated family protein, expressed	Chr12	23725985	23729784 -	3	2240	4.74
LOC_Os02g07900.1	ANTH/ENTH domain containing protein, putative, expressed	Chr2	4135897	4140415 -	15	2587	4.74
LOC_Os02g42350.2	nitrilase, putative, expressed	Chr2	25465734	25468567 +	3	1005	4.75
LOC_Os03g07110.1	calmodulin-binding protein, putative, expressed	Chr3	3630773	3635525 -	11	3286	4.75
LOC_Os01g07100.1	expressed protein	Chr1	3336408	3342886 +	11	1339	4.75
LOC_Os07g19550.1	expressed protein	Chr7	11585100	11585594 -	2	382	4.75
LOC_Os03g62950.1	expressed protein	Chr3	35606522	35607866 -	2	1247	4.75
LOC_Os06g30250.1	expressed protein	Chr6	17454251	17455479 +	1	1261	4.75
LOC_Os05g08110.1	early light-induced protein, chloroplast precursor, putative, expressed	Chr5	4415782	4416721 -	1	972	4.75
LOC_Os03g42230.1	B3 DNA binding domain containing protein, expressed	Chr3	23491995	23496324 +	7	2908	4.75
LOC_Os06g08140.1	protein phosphatase 2C, putative, expressed	Chr6	3947926	3952251 -	4	1875	4.75
LOC_Os01g54380.1	PPR repeat domain containing protein, putative, expressed	Chr1	31286182	31288094 -	1	1945	4.75
LOC_Os11g02270.1	expressed protein	Chr11	646980	649082 +	2	1704	4.75
LOC_Os01g34190.1	G-patch domain containing protein, expressed	Chr1	18847970	18851815 +	3	1627	4.75
LOC_Os03g58610.1	expressed protein	Chr3	33384953	33387239 -	2	2124	4.75

LOC_Os12g42250.1	ZOS12-10 - C2H2 zinc finger protein, expressed	Chr12	26210779	26211896 -	1	1150	4.75
LOC_Os04g02910.1	membrane related protein CP5, putative, expressed	Chr4	1148798	1152219 -	6	2393	4.75
LOC_Os01g16040.1	mitochondrial carrier protein, putative, expressed	Chr1	9024897	9028876 -	10	2349	4.75
LOC_Os09g07730.1	expressed protein	Chr9	3898437	3900416 -	1	2012	4.75
LOC_Os06g08790.1	ORC1 - Putative origin recognition complex subunit 1, expressed	Chr6	4393376	4401129 +	17	3382	4.75
LOC_Os09g36460.1	zinc RING finger protein, putative, expressed	Chr9	21038114	21041643 +	7	1602	4.76
LOC_Os10g07400.1	disease resistance RPP13-like protein 1, putative, expressed	Chr10	3908102	3912672 -	2	4459	4.76
LOC_Os01g05080.2	thylakoid lumenal protein, putative, expressed	Chr1	2383530	2385638 -	5	1542	4.76
LOC_Os09g25380.1	kinesin motor protein-related, putative, expressed	Chr9	15208405	15215467 -	12	2250	4.76
LOC_Os02g13170.1	mitochondrial carrier protein, putative, expressed	Chr2	7016805	7024341 +	15	2527	4.76
LOC_Os02g56170.1	inositol-1-monophosphatase, putative, expressed	Chr2	34362301	34365534 -	3	2415	4.76
LOC_Os05g04914.1	expressed protein	Chr5	2363742	2371823 -	5	2983	4.76
LOC_Os09g30150.2	AGC_PVPK_like_kin82y.16 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr9	18340159	18343614 +	3	2270	4.76
LOC_Os11g40450.1	retrotransposon protein, putative, Ty1-copia subclass, expressed	Chr11	24120143	24132640 -	16	7853	4.76
LOC_Os04g02910.4	membrane related protein CP5, putative, expressed	Chr4	1148798	1152219 -	5	2445	4.76
LOC_Os12g38620.1	bromodomain associated family protein, expressed	Chr12	23725967	23729784 -	2	2302	4.76
LOC_Os09g11510.1	phosphoglycerate mutase, putative, expressed	Chr9	6434549	6438925 -	5	1379	4.76
LOC_Os04g54080.1	serine/threonine-protein kinase receptor precursor, putative, expressed	Chr4	32229075	32233640 -	10	2819	4.76
LOC_Os07g44200.1	transcription regulator, putative, expressed	Chr7	26412890	26414532 +	2	1528	4.76
LOC_Os02g05900.1	ternary complex factor MIP1, putative, expressed	Chr2	2928922	2932227 +	8	2166	4.76
LOC_Os09g17770.1	retrotransposon protein, putative, unclassified, expressed	Chr9	10872551	10878008 -	9	1626	4.76
LOC_Os09g16780.1	expressed protein	Chr9	10260562	10262221 -	7	1367	4.76
LOC_Os08g43360.2	RNA recognition motif containing protein, putative, expressed	Chr8	27397948	27402221 +	6	2683	4.76
LOC_Os04g35864.1	DDT domain-containing protein, putative, expressed	Chr4	21856902	21858308 -	3	864	4.76
LOC_Os11g06220.2	expressed protein	Chr11	2971164	2974447 +	1	3316	4.76
LOC_Os04g46180.2	AGC_PVPK_like_kin82y.11 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr4	27353813	27357800 +	4	3110	4.76
LOC_Os04g46180.1	AGC_PVPK_like_kin82y.11 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr4	27353820	27357800 +	4	3154	4.76
LOC_Os10g34320.1	ribosomal L18p/L5e family protein, expressed	Chr10	18301438	18304771 -	2	2306	4.76
LOC_Os07g30240.1	mutS family domain IV containing protein, expressed	Chr7	17870625	17880163 +	19	2585	4.76
LOC_Os11g04440.1	expressed protein	Chr11	1849546	1853976 -	3	950	4.77
LOC_Os03g45180.1	expressed protein	Chr3	25512136	25517263 -	10	2420	4.77
LOC_Os03g45180.2	expressed protein	Chr3	25512212	25517280 -	9	2400	4.77
LOC_Os12g39790.1	expressed protein	Chr12	24569213	24573439 +	7	1091	4.77
LOC_Os02g30790.1	SAR DNA-binding protein-like, putative, expressed	Chr2	18343563	18347106 -	7	1722	4.77
LOC_Os01g03840.1	ZOS1-02 - C2H2 zinc finger protein, expressed	Chr1	1625159	1626771 +	4	1117	4.77
LOC_Os01g19140.2	O-sialoglycoprotein endopeptidase, putative, expressed	Chr1	10816704	10818530 -	6	916	4.77
LOC_Os05g46380.1	OsFBX174 - F-box domain containing protein, expressed	Chr5	26884955	26887331 +	1	2409	4.77
LOC_Os11g14010.1	PHD finger protein, putative, expressed	Chr11	7776646	7784194 -	5	1450	4.78
LOC_Os11g14010.2	PHD finger protein, putative, expressed	Chr11	7776646	7783855 -	4	1264	4.78
LOC_Os03g15810.1	AAA-type ATPase family protein, putative, expressed	Chr3	8720361	8728030 -	24	3777	4.78
LOC_Os01g64330.1	retrotransposon protein, putative, unclassified, expressed	Chr1	37349392	37352086 -	1	2727	4.78
LOC_Os08g34050.1	phosphofructokinase, putative, expressed	Chr8	21324969	21328749 -	13	2024	4.78
LOC_Os01g09750.1	RNA methyltransferase protein, putative, expressed	Chr1	5021088	5025720 -	10	2658	4.78
LOC_Os09g32130.1	expressed protein	Chr9	19180036	19183143 +	5	1438	4.78
LOC_Os02g44890.2	RNA-binding region RNP-1, putative, expressed	Chr2	27188019	27191898 -	4	1242	4.78

LOC_Os02g44890.1	RNA-binding region RNP-1, putative, expressed	Chr2	27188019	27191898	-	5	1397	4.78
LOC_Os08g43360.1	RNA recognition motif containing protein, putative, expressed	Chr8	27397948	27402221	+	5	3129	4.78
LOC_Os09g31490.1	reductase, putative, expressed	Chr9	18994539	18998420	-	6	1537	4.78
LOC_Os07g12330.2	tryptophan/tyrosine permease family protein, putative, expressed	Chr7	6954563	6959635	+	3	2304	4.78
LOC_Os01g28744.1	retrotransposon protein, putative, unclassified, expressed	Chr1	16101903	16104780	-	4	916	4.79
LOC_Os06g43140.1	GA16396-PA, putative, expressed	Chr6	25932429	25935032	+	7	1127	4.79
LOC_Os01g12400.2	S-locus lectin protein kinase family protein, putative, expressed	Chr1	6774200	6777805	-	3	2788	4.79
LOC_Os11g39568.1	expressed protein	Chr11	23578838	23581592	+	6	1579	4.79
LOC_Os12g37160.2	expressed protein	Chr12	22783377	22785775	-	4	2069	4.79
LOC_Os10g28340.2	heat stress transcription factor, putative, expressed	Chr10	14746103	14750175	-	5	2469	4.79
LOC_Os08g02680.3	expressed protein	Chr8	1116925	1119641	-	2	2386	4.79
LOC_Os04g44210.3	expressed protein	Chr4	26168609	26173022	-	7	2446	4.79
LOC_Os03g10450.1	Sua5/YciO/YrdC/YwIc family protein, putative, expressed	Chr3	5321334	5323969	-	5	1402	4.79
LOC_Os04g49960.1	glycosyl transferase, group 1 domain containing protein, expressed	Chr4	29803050	29806037	+	8	1866	4.79
LOC_Os12g41962.2	nucleolar protein NOP5, putative, expressed	Chr12	26021767	26026117	+	7	2974	4.79
LOC_Os04g51166.1	expressed protein	Chr4	30294784	30297419	-	5	1444	4.79
LOC_Os11g09474.1	OsFBX400 - F-box domain containing protein, expressed	Chr11	5080262	5088495	-	10	3284	4.79
LOC_Os02g10590.1	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr2	5567952	5569801	-	8	1136	4.79
LOC_Os12g41962.1	nucleolar protein NOP5, putative, expressed	Chr12	26021767	26026117	+	6	3020	4.79
LOC_Os04g35540.1	amino acid permease family protein, putative, expressed	Chr4	21637782	21642647	+	6	2259	4.80
LOC_Os04g58590.1	RNA recognition motif containing protein, putative, expressed	Chr4	34832040	34837343	-	3	3515	4.80
LOC_Os02g47010.1	secretory carrier-associated membrane protein, putative, expressed	Chr2	28696678	28700851	+	12	2123	4.80
LOC_Os01g03490.1	heavy-metal-associated domain-containing protein, putative, expressed	Chr1	1404155	1407187	+	3	2525	4.80
LOC_Os06g05630.3	GDSL-like lipase/acylhydrolase, putative, expressed	Chr6	2546688	2549257	+	4	1987	4.80
LOC_Os01g59970.1	expressed protein	Chr1	34674484	34676185	-	3	928	4.80
LOC_Os08g20420.2	MGD2, putative, expressed	Chr8	12266091	12268184	+	7	1572	4.80
LOC_Os04g22860.1	protein phosphatase 1 regulatory subunit 11, putative, expressed	Chr4	12953499	12954725	+	2	910	4.80
LOC_Os01g72960.1	expressed protein	Chr1	42315264	42317679	+	2	856	4.80
LOC_Os12g31810.1	cyclin, putative, expressed	Chr12	19138380	19143545	-	12	2459	4.80
LOC_Os05g28860.2	3%27-5%27 exonuclease, putative, expressed	Chr5	16918923	16923919	+	8	1983	4.80
LOC_Os02g37109.1	vegetative cell wall protein gp1 precursor, putative, expressed	Chr2	22433562	22434731	+	1	1202	4.80
LOC_Os02g37109.2	vegetative cell wall protein gp1 precursor, putative, expressed	Chr2	22433574	22434731	+	2	1169	4.80
LOC_Os05g44570.1	histidine-containing phosphotransfer protein, putative, expressed	Chr5	25927984	25931525	-	6	1239	4.80
LOC_Os12g02550.1	expressed protein	Chr12	876293	877652	-	1	1392	4.80
LOC_Os03g07750.1	expressed protein	Chr3	3936680	3940818	-	6	2732	4.80
LOC_Os03g21270.3	expressed protein	Chr3	12151051	12157603	-	5	2562	4.80
LOC_Os11g38990.3	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr11	23212467	23216933	+	8	2136	4.80
LOC_Os07g38110.1	tic20, putative, expressed	Chr7	22851356	22853917	-	3	1395	4.81
LOC_Os02g03420.1	pentatricopeptide repeat-containing protein, putative, expressed	Chr2	1394865	1397141	+	1	2309	4.81
LOC_Os12g34320.1	S-locus-like receptor protein kinase, putative, expressed	Chr12	20801349	20805537	+	3	3211	4.81
LOC_Os06g40860.1	pentatricopeptide, putative, expressed	Chr6	24369835	24372848	-	2	2490	4.81
LOC_Os11g40420.1	expressed protein	Chr11	24096099	24100831	-	7	3027	4.81
LOC_Os09g33555.1	expressed protein	Chr9	19788719	19789621	+	2	810	4.81
LOC_Os10g03669.1	expressed protein	Chr10	1642335	1646902	-	5	4197	4.81
LOC_Os03g09060.1	prenyltransferase, putative, expressed	Chr3	4697225	4700186	-	10	2199	4.81

LOC_Os04g56730.1	repressor of RNA polymerase III transcription MAF1, putative, expressed	Chr4	33828929	33832541 -	11	1633	4.81
LOC_Os01g10020.1	ectonucleotide pyrophosphatase/phosphodiesterase family member 1, putative, expressed	Chr1	5218542	5220398 +	1	1889	4.81
LOC_Os10g10400.1	expressed protein	Chr10	5714332	5716013 -	3	459	4.81
LOC_Os09g23720.1	expressed protein	Chr9	14095779	14099966 +	9	1904	4.81
LOC_Os01g68010.5	TBC domain containing protein, expressed	Chr1	39539150	39541096 -	3	1425	4.81
LOC_Os01g12830.2	erythronate-4-phosphate dehydrogenase domain containing protein, expressed	Chr1	7100982	7103266 -	2	1475	4.81
LOC_Os10g35370.1	oxidoreductase, short chain dehydrogenase/reductase family domain containing family, expressed	Chr10	18900290	18904022 +	4	1893	4.81
LOC_Os02g55570.1	shugoshin-1, putative, expressed	Chr2	34030829	34034442 -	16	2485	4.81
LOC_Os11g32490.1	expressed protein	Chr11	19175149	19179728 -	15	2390	4.81
LOC_Os12g42060.3	OsWAK128b - OsWAK receptor-like protein kinase, expressed	Chr12	26087069	26088874 +	2	1248	4.81
LOC_Os06g40590.1	expressed protein	Chr6	24198169	24206081 -	14	3515	4.81
LOC_Os04g40190.2	circumsporozoite protein, putative, expressed	Chr4	23915728	23917010 -	2	1238	4.82
LOC_Os02g57370.1	DHHC zinc finger domain containing protein, expressed	Chr2	35155661	35158722 +	7	1510	4.82
LOC_Os05g05330.1	expressed protein	Chr5	2625971	2630241 -	11	1987	4.82
LOC_Os03g50430.1	zinc finger family protein, putative, expressed	Chr3	28774588	28777248 +	6	1952	4.82
LOC_Os03g11990.3	bolA, putative, expressed	Chr3	6282856	6284385 +	2	811	4.82
LOC_Os03g11990.1	bolA, putative, expressed	Chr3	6282854	6284385 +	2	819	4.82
LOC_Os11g02090.1	expressed protein	Chr11	566237	568625 +	4	1057	4.82
LOC_Os11g02090.2	expressed protein	Chr11	566237	568625 +	4	1076	4.82
LOC_Os01g36610.1	expressed protein	Chr1	20314316	20316106 +	1	1823	4.82
LOC_Os07g07070.1	anthranilate phosphoribosyltransferase, putative, expressed	Chr7	3485498	3489389 -	1	3924	4.82
LOC_Os04g56730.3	repressor of RNA polymerase III transcription MAF1, putative, expressed	Chr4	33828929	33832541 -	11	1656	4.82
LOC_Os11g09110.1	receptor-like protein kinase 5 precursor, putative, expressed	Chr11	4851055	4852938 -	1	1916	4.82
LOC_Os02g43480.1	expressed protein	Chr2	26243664	26246240 -	6	1431	4.82
LOC_Os09g32860.1	OsFBX335 - F-box domain containing protein, expressed	Chr9	19589542	19592781 +	6	1683	4.82
LOC_Os09g32860.2	OsFBX335 - F-box domain containing protein, expressed	Chr9	19589542	19592781 +	6	1692	4.82
LOC_Os05g05530.2	expressed protein	Chr5	2748324	2749973 -	3	1080	4.82
LOC_Os03g19780.1	expressed protein	Chr3	11133135	11134225 +	1	1123	4.82
LOC_Os02g38386.1	NBS-LRR disease resistance protein, putative, expressed	Chr2	23209694	23210456 +	1	795	4.82
LOC_Os07g45210.1	expressed protein	Chr7	26984201	26988333 +	8	1677	4.82
LOC_Os04g40050.1	ribonuclease H2 subunit B, putative, expressed	Chr4	23843544	23847934 +	10	1721	4.82
LOC_Os04g33330.2	expressed protein	Chr4	20186829	20189403 -	2	2052	4.82
LOC_Os07g41660.1	expressed protein	Chr7	24965965	24968299 -	3	801	4.82
LOC_Os01g73060.1	expressed protein	Chr1	42388274	42390062 -	2	1414	4.82
LOC_Os02g51810.1	expressed protein	Chr2	31739493	31747386 +	13	2698	4.82
LOC_Os08g34160.1	CAF1 family ribonuclease containing protein, putative, expressed	Chr8	21411152	21416150 +	7	1877	4.83
LOC_Os04g40980.1	Divergent PAP2 family domain containing protein, expressed	Chr4	24321375	24325746 +	5	1270	4.83
LOC_Os12g29760.2	oxidoreductase, aldo/keto reductase family protein, putative, expressed	Chr12	17788672	17791111 -	5	1491	4.83
LOC_Os12g29760.1	oxidoreductase, aldo/keto reductase family protein, putative, expressed	Chr12	17788672	17791111 -	5	1502	4.83
LOC_Os02g39880.1	expressed protein	Chr2	24095854	24097712 +	2	772	4.83
LOC_Os02g14520.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr2	7998422	8001879 -	5	3100	4.83
LOC_Os01g50820.1	transporter, major facilitator family, putative, expressed	Chr1	29188850	29190965 +	1	2148	4.83
LOC_Os01g53294.1	respiratory burst oxidase protein B, putative, expressed	Chr1	30622671	30634405 +	14	3230	4.83
LOC_Os12g04720.1	expressed protein	Chr12	2010205	2011804 -	2	1265	4.84
LOC_Os12g04720.2	expressed protein	Chr12	2010205	2011804 -	2	1479	4.84

LOC_Os06g08750.1	integral membrane transporter family protein, putative, expressed	Chr6	4379795	4383418 -	5	2473	4.84
LOC_Os02g42960.1	thylakoid luminal protein, putative, expressed	Chr2	25855532	25859143 +	6	1498	4.84
LOC_Os08g40850.1	mitochondrial carrier protein, putative, expressed	Chr8	25848628	25853121 -	5	1878	4.84
LOC_Os07g15430.1	expressed protein	Chr7	8926122	8928964 +	2	1898	4.84
LOC_Os01g07880.1	transcription factor HY5, putative, expressed	Chr1	3811149	3812069 -	3	849	4.84
LOC_Os03g27320.4	steroid binding protein, putative, expressed	Chr3	15648901	15651034 +	5	1197	4.84
LOC_Os03g07110.3	calmodulin-binding protein, putative, expressed	Chr3	3631135	3635525 -	10	2694	4.84
LOC_Os11g32500.1	rubredoxin family protein, putative, expressed	Chr11	19180541	19182360 -	4	1162	4.84
LOC_Os02g05610.1	ZOS2-03 - C2H2 zinc finger protein, expressed	Chr2	2728848	2734454 +	12	2903	4.84
LOC_Os01g67520.1	VTC2, putative, expressed	Chr1	39244417	39247128 +	7	2039	4.84
LOC_Os01g67520.3	VTC2, putative, expressed	Chr1	39244417	39247128 +	6	2124	4.84
LOC_Os08g32130.2	heat shock protein DnaJ, putative, expressed	Chr8	19937056	19940521 +	5	1749	4.84
LOC_Os02g06754.1	expressed protein	Chr2	3408024	3409076 +	3	919	4.84
LOC_Os05g43820.3	ras-related protein, putative, expressed	Chr5	25474799	25477947 +	9	1405	4.84
LOC_Os06g13100.3	CREG1 precursor, putative, expressed	Chr6	7189601	7191441 -	3	904	4.84
LOC_Os02g07110.1	OsSAUR6 - Auxin-responsive SAUR gene family member, expressed	Chr2	3655348	3656185 +	1	870	4.85
LOC_Os03g60350.1	leaf senescence related protein, putative, expressed	Chr3	34320193	34325381 -	6	2544	4.85
LOC_Os08g28200.1	expressed protein	Chr8	17211715	17213207 +	3	931	4.85
LOC_Os08g39694.2	cytochrome P450, putative, expressed	Chr8	25131585	25134371 +	1	2819	4.85
LOC_Os02g50240.2	glutamine synthetase, catalytic domain containing protein, expressed	Chr2	30674776	30677476 -	9	1741	4.85
LOC_Os01g55690.1	glutelin, putative, expressed	Chr1	32076732	32078743 +	4	1865	4.85
LOC_Os11g36679.1	zinc knuckle domain containing protein, expressed	Chr11	21654011	21657690 +	9	1619	4.85
LOC_Os01g65580.2	mitotic checkpoint family protein, putative, expressed	Chr1	38064439	38071692 +	18	3198	4.85
LOC_Os02g50240.1	glutamine synthetase, catalytic domain containing protein, expressed	Chr2	30674776	30678659 -	11	2096	4.85
LOC_Os05g07764.2	carboxyl-terminal proteinase, putative, expressed	Chr5	4179894	4185986 -	8	2313	4.85
LOC_Os05g22930.1	CAAX amino terminal protease family protein, putative, expressed	Chr5	13057100	13060306 -	8	1474	4.85
LOC_Os05g24000.1	expressed protein	Chr5	13823200	13828651 -	7	1548	4.85
LOC_Os05g24000.2	expressed protein	Chr5	13823207	13828651 -	7	1538	4.85
LOC_Os07g09690.1	galactosyltransferase family protein, putative, expressed	Chr7	5151366	5155561 -	7	2956	4.85
LOC_Os05g50654.1	mitochondrial import receptor subunit TOM7-1, putative, expressed	Chr5	29035416	29036227 +	1	844	4.85
LOC_Os07g35335.1	expressed protein	Chr7	21144789	21145980 -	1	1224	4.85
LOC_Os01g40420.2	CBS domain containing membrane protein, putative, expressed	Chr1	22820220	22823182 -	4	2760	4.85
LOC_Os07g11850.1	transposon protein, putative, CACTA, En/Spm sub-class	Chr7	6554301	6556876 +	6	963	4.85
LOC_Os03g45770.2	expressed protein	Chr3	25850658	25858176 -	13	3280	4.85
LOC_Os03g45770.1	expressed protein	Chr3	25850658	25858176 -	14	3204	4.85
LOC_Os01g65580.1	mitotic checkpoint family protein, putative, expressed	Chr1	38064439	38071692 +	16	3319	4.86
LOC_Os01g33420.1	glycosyl hydrolase family protein 27, putative, expressed	Chr1	18394242	18401699 -	14	2748	4.86
LOC_Os01g62210.2	50S ribosomal protein L17, putative, expressed	Chr1	36007366	36008846 +	4	550	4.86
LOC_Os03g55050.1	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed	Chr3	31302708	31305227 +	2	2486	4.86
LOC_Os05g50410.1	Rad21 / Rec8 like protein, putative, expressed	Chr5	28889622	28896919 +	20	2776	4.86
LOC_Os01g55500.1	nucleobase-ascorbate transporter, putative, expressed	Chr1	31975992	31980079 +	14	2611	4.86
LOC_Os01g55500.2	nucleobase-ascorbate transporter, putative, expressed	Chr1	31975992	31980079 +	13	2674	4.86
LOC_Os01g55500.3	nucleobase-ascorbate transporter, putative, expressed	Chr1	31975992	31980079 +	13	2677	4.86
LOC_Os06g05250.2	GTP-binding protein GUF1, putative, expressed	Chr6	2367069	2372121 -	11	2553	4.86
LOC_Os12g12170.1	cytochrome b5-like Heme/Steroid binding domain containing protein, expressed	Chr12	6677657	6679930 +	3	1199	4.86

LOC_Os12g12170.2	cytochrome b5-like Heme/Steroid binding domain containing protein, expressed	Chr12	6677657	6679930 +	4	1129	4.86
LOC_Os02g57150.1	tubulin-specific chaperone A, putative, expressed	Chr2	35002742	35004795 +	4	823	4.86
LOC_Os04g46460.1	amino acid kinase, putative, expressed	Chr4	27563230	27566584 +	2	1883	4.86
LOC_Os02g45110.1	MT-A70 domain containing protein, expressed	Chr2	27360417	27365800 +	7	2773	4.86
LOC_Os12g01916.1	double-stranded RNA binding motif containing protein, expressed	Chr12	535869	540349 -	4	1968	4.86
LOC_Os09g27060.1	SNF2 family N-terminal domain containing protein, expressed	Chr9	16461604	16467627 -	15	3567	4.86
LOC_Os01g65580.3	mitotic checkpoint family protein, putative, expressed	Chr1	38064439	38071696 +	17	3262	4.86
LOC_Os01g67520.2	VTC2, putative, expressed	Chr1	39244417	39247231 +	5	2601	4.86
LOC_Os06g06410.2	rRNA-processing protein FCF, putative, expressed	Chr6	2992045	2995594 -	9	1508	4.86
LOC_Os01g01040.4	expressed protein	Chr1	16292	18304 +	3	1620	4.86
LOC_Os06g08670.1	glutathione peroxidase, putative, expressed	Chr6	4321607	4325283 +	6	1433	4.86
LOC_Os03g55570.1	upstream activation factor subunit spp27, putative, expressed	Chr3	31622869	31630121 +	6	1598	4.86
LOC_Os07g40460.2	prefoldin, putative, expressed	Chr7	24244101	24245440 +	3	725	4.87
LOC_Os03g07270.1	glycine-rich cell wall protein, putative, expressed	Chr3	3707180	3708517 +	1	1370	4.87
LOC_Os05g18750.1	ribosomal protein L25, putative, expressed	Chr5	10865366	10869233 +	3	1117	4.87
LOC_Os07g44299.1	pentatricopeptide, putative, expressed	Chr7	26468910	26470733 -	1	1856	4.87
LOC_Os02g43920.1	cell division cycle protein 23, putative, expressed	Chr2	26511108	26515845 +	4	3179	4.87
LOC_Os11g34650.1	expressed protein	Chr11	20278037	20281449 -	5	679	4.87
LOC_Os03g55380.1	oxidoreductase, putative, expressed	Chr3	31503703	31507753 +	8	1672	4.87
LOC_Os07g45210.2	expressed protein	Chr7	26984185	26988352 +	6	2514	4.87
LOC_Os06g09170.1	zinc ion binding protein, putative, expressed	Chr6	4612249	4615892 +	6	2038	4.87
LOC_Os05g07764.1	carboxyl-terminal proteinase, putative, expressed	Chr5	4179894	4185777 -	7	2185	4.87
LOC_Os02g43710.1	enoyl-CoA hydratase/isomerase family protein, putative, expressed	Chr2	26381932	26385683 +	8	1309	4.87
LOC_Os06g22380.1	expressed protein	Chr6	12990974	13000940 -	11	3013	4.87
LOC_Os05g05480.1	OsDegp6 - Putative Deg protease homologue, expressed	Chr5	2725695	2733753 +	21	2997	4.87
LOC_Os05g28950.1	CAAX amino terminal protease family protein, putative, expressed	Chr5	16972939	16975972 +	8	1676	4.87
LOC_Os06g01400.1	glycyl-tRNA synthetase 2, chloroplast/mitochondrial precursor, putative, expressed	Chr6	233787	244624 +	34	4595	4.87
LOC_Os08g07960.1	mitotic checkpoint protein, putative, expressed	Chr8	4496679	4502242 -	12	2140	4.87
LOC_Os08g07960.2	mitotic checkpoint protein, putative, expressed	Chr8	4496679	4502242 -	12	2134	4.87
LOC_Os10g31910.1	pectate lyase precursor, putative, expressed	Chr10	16755564	16760878 -	4	1915	4.87
LOC_Os05g27100.1	expressed protein	Chr5	15770497	15773664 -	3	1051	4.87
LOC_Os08g28030.1	retrotransposon protein, putative, Ty1-copia subclass, expressed	Chr8	17074831	17077208 -	1	2410	4.87
LOC_Os12g42044.2	OsWAK127b - OsWAK short gene, expressed	Chr12	26081667	26086831 -	5	2465	4.87
LOC_Os12g42044.3	OsWAK127b - OsWAK short gene, expressed	Chr12	26081703	26086841 -	5	2439	4.87
LOC_Os01g70160.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr1	40607531	40610341 +	5	1303	4.87
LOC_Os02g16670.1	ATP-binding domain-containing protein, putative, expressed	Chr2	9523632	9531798 +	11	2455	4.87
LOC_Os02g13310.1	homeobox domain containing protein, expressed	Chr2	7096950	7100609 +	5	2728	4.87
LOC_Os08g37390.1	cyclin, putative, expressed	Chr8	23648009	23651153 +	6	2151	4.88
LOC_Os03g10650.1	cyclin, putative, expressed	Chr3	5441739	5444255 -	5	2212	4.88
LOC_Os02g24134.2	Sec1 family transport protein, putative, expressed	Chr2	13977609	13987430 -	13	2797	4.88
LOC_Os02g24134.1	Sec1 family transport protein, putative, expressed	Chr2	13977609	13987430 -	13	2732	4.88
LOC_Os05g05480.2	OsDegp6 - Putative Deg protease homologue, expressed	Chr5	2725695	2733731 +	21	2979	4.88
LOC_Os10g40740.1	helix-loop-helix DNA-binding domain containing protein, expressed	Chr10	21863008	21867667 -	5	2098	4.88
LOC_Os04g39950.1	expressed protein	Chr4	23785508	23787991 -	2	2259	4.88
LOC_Os04g44830.1	thioredoxin, putative, expressed	Chr4	26540458	26542966 -	2	1039	4.88

LOC_Os08g39960.2	3-oxoacyl-reductase, chloroplast precursor, putative, expressed	Chr8	25319022	25320721 -	4	1042	4.88
LOC_Os01g41870.1	protein kinase, putative, expressed	Chr1	23727761	23733080 +	10	3213	4.88
LOC_Os06g04610.1	ribosome-binding factor A, chloroplast precursor, putative, expressed	Chr6	2009996	2015659 +	6	4197	4.88
LOC_Os03g02450.1	pyridoxamine 5%27-phosphate oxidase family protein, putative, expressed	Chr3	878838	881507 +	8	1466	4.88
LOC_Os02g58080.1	transporter, major facilitator family, putative, expressed	Chr2	35548813	35553460 +	14	2867	4.88
LOC_Os12g05000.1	expressed protein	Chr12	2171592	2174960 +	7	1362	4.88
LOC_Os03g08370.1	transposon protein, putative, unclassified, expressed	Chr3	4272870	4277474 +	5	3269	4.88
LOC_Os09g30105.1	expressed protein	Chr9	18301264	18304037 -	6	1143	4.88
LOC_Os03g27780.1	protein phosphatase protein, putative, expressed	Chr3	15932524	15936871 +	9	2810	4.88
LOC_Os12g09280.2	RNA polymerase subunit, putative, expressed	Chr12	4860192	4861931 -	3	646	4.88
LOC_Os12g09280.1	RNA polymerase subunit, putative, expressed	Chr12	4860236	4863168 -	4	825	4.88
LOC_Os10g02980.1	formin, putative, expressed	Chr10	1234067	1241772 +	15	2284	4.88
LOC_Os03g63910.1	PPR repeat domain containing protein, putative, expressed	Chr3	36107251	36110942 +	3	2889	4.89
LOC_Os04g56720.1	RCC2, putative, expressed	Chr4	33822411	33828795 +	16	2727	4.89
LOC_Os07g02250.1	expressed protein	Chr7	722836	726496 -	3	1002	4.89
LOC_Os11g11780.1	cysteine-rich receptor-like protein kinase 21 precursor, putative, expressed	Chr11	6539074	6541690 +	7	1487	4.89
LOC_Os03g64050.1	receptor protein kinase, putative, expressed	Chr3	36189259	36190656 +	1	1430	4.89
LOC_Os12g32374.1	histone deacetylase 6, putative, expressed	Chr12	19531927	19534814 -	4	909	4.89
LOC_Os01g05080.1	thylakoid lumenal protein, putative, expressed	Chr1	2383530	2385638 -	6	1191	4.89
LOC_Os06g49185.1	expressed protein	Chr6	29802051	29803832 -	1	1814	4.89
LOC_Os05g45340.1	ATP binding protein, putative, expressed	Chr5	26300407	26305695 +	6	3431	4.89
LOC_Os07g46430.2	expressed protein	Chr7	27701512	27705190 -	8	1698	4.89
LOC_Os02g56354.1	transposon protein, putative, unclassified, expressed	Chr2	34492560	34498117 -	5	2038	4.90
LOC_Os01g17050.1	VQ domain containing protein, putative, expressed	Chr1	9770015	9771037 -	1	1055	4.90
LOC_Os10g37640.1	HIT zinc finger domain containing protein, expressed	Chr10	20140647	20144863 -	5	1761	4.90
LOC_Os10g37640.2	HIT zinc finger domain containing protein, expressed	Chr10	20140647	20144863 -	4	1806	4.90
LOC_Os02g15970.3	alpha-hemolysin, putative, expressed	Chr2	9053964	9056393 -	5	723	4.90
LOC_Os07g35004.1	TKL_IRAK_DUF26-la.4 - DUF26 kinases have homology to DUF26 containing loci, expressed	Chr7	20969981	20975950 +	7	2548	4.90
LOC_Os02g06400.1	growth regulator related protein, putative, expressed	Chr2	3197141	3203168 +	11	2446	4.90
LOC_Os01g41870.2	protein kinase, putative, expressed	Chr1	23728942	23733077 +	9	2979	4.90
LOC_Os11g10330.1	OsFBX416 - F-box domain containing protein, expressed	Chr11	5611244	5615084 -	5	1984	4.90
LOC_Os03g14030.1	thaumatin, putative, expressed	Chr3	7610990	7614083 -	3	2279	4.90
LOC_Os06g06410.1	rRNA-processing protein FCF, putative, expressed	Chr6	2992046	2995594 -	8	1574	4.90
LOC_Os04g59330.1	expressed protein	Chr4	35277603	35279154 +	2	1529	4.90
LOC_Os10g43050.1	OsClp11 - Putative Clp protease homologue, expressed	Chr10	23190115	23192319 +	2	1354	4.90
LOC_Os02g46910.2	glycosyl hydrolases family 16, putative, expressed	Chr2	28621982	28624673 +	3	2553	4.90
LOC_Os12g40450.1	biotin--protein ligase, putative, expressed	Chr12	25029774	25032330 -	4	1789	4.90
LOC_Os10g20250.1	membrane associated DUF588 domain containing protein, putative, expressed	Chr10	10174522	10177326 -	3	1239	4.90
LOC_Os04g37720.1	pentatricopeptide, putative, expressed	Chr4	22432173	22434744 +	2	1490	4.90
LOC_Os07g39390.1	retrotransposon protein, putative, unclassified, expressed	Chr7	23596302	23598324 -	1	2055	4.90
LOC_Os01g45900.1	OsFBX20 - F-box domain containing protein, expressed	Chr1	26075030	26077134 +	2	2008	4.90
LOC_Os01g50622.4	DNA-binding protein DSP1, putative, expressed	Chr1	29072766	29076344 -	10	1895	4.90
LOC_Os01g50622.1	DNA-binding protein DSP1, putative, expressed	Chr1	29072766	29076344 -	11	1726	4.90
LOC_Os03g52640.2	expressed protein	Chr3	30188190	30191568 -	9	1770	4.91
LOC_Os03g52640.1	expressed protein	Chr3	30188188	30191568 -	9	1785	4.91

LOC_Os10g37600.1	expressed protein	Chr10	20114942	20116804 +	1	1895	4.91
LOC_Os01g70920.4	cullin-1, putative, expressed	Chr1	41052348	41053949 +	3	634	4.91
LOC_Os01g66940.1	kinase, pfkB family, putative, expressed	Chr1	38884741	38887723 -	4	1921	4.91
LOC_Os09g28000.1	OsSigP6 - Putative Type I Signal Peptidase homologue%3B employs a putative Ser/Lys catalytic d	Chr9	17003030	17005694 -	6	2067	4.91
LOC_Os02g04230.3	CGMC_MAPKCMGC_2.7 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed	Chr2	1850954	1858237 -	11	2373	4.91
LOC_Os08g30980.1	expressed protein	Chr8	19124432	19127727 +	5	913	4.91
LOC_Os03g48190.2	expressed protein	Chr3	27431824	27436602 -	3	1777	4.91
LOC_Os05g50410.2	Rad21 / Rec8 like protein, putative, expressed	Chr5	28889622	28896998 +	21	3021	4.91
LOC_Os08g38010.3	expressed protein	Chr8	24079623	24082996 +	4	2276	4.91
LOC_Os10g42760.1	PPR repeat domain containing protein, putative, expressed	Chr10	23069756	23071683 -	1	1960	4.91
LOC_Os05g28950.3	CAAX amino terminal protease family protein, putative, expressed	Chr5	16972939	16975972 +	8	1753	4.91
LOC_Os05g41750.1	RecF/RecN/SMC N terminal domain containing protein, expressed	Chr5	24423072	24426490 +	13	2221	4.91
LOC_Os06g18830.1	AGC_PVPK_like_kin82y.13 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr6	10690487	10694167 -	3	2515	4.91
LOC_Os01g52710.1	glycosyl transferase 8 domain containing protein, putative, expressed	Chr1	30311221	30315924 +	6	2686	4.91
LOC_Os01g50622.2	DNA-binding protein DSP1, putative, expressed	Chr1	29072766	29076344 -	11	1752	4.91
LOC_Os09g28690.1	gibberellin receptor GID1L2, putative, expressed	Chr9	17447933	17449592 -	1	1692	4.91
LOC_Os10g35370.2	oxidoreductase, short chain dehydrogenase/reductase family domain containing family, expressed	Chr10	18900302	18904022 +	3	3047	4.91
LOC_Os03g51880.1	GA15368-PA, putative, expressed	Chr3	29745634	29747861 -	3	1450	4.91
LOC_Os08g43540.1	peptidase, T1 family, putative, expressed	Chr8	27533250	27537106 +	3	1597	4.92
LOC_Os12g35640.1	OsAPRL6 adenosine 5%27-phosphosulfate reductase-like OsAPRL6, expressed	Chr12	21666234	21669379 -	4	1571	4.92
LOC_Os03g58890.1	oxidoreductase, putative, expressed	Chr3	33522519	33524525 -	7	1386	4.92
LOC_Os03g58890.2	oxidoreductase, putative, expressed	Chr3	33522519	33524525 -	7	1392	4.92
LOC_Os12g17830.1	expressed protein	Chr12	10208671	10211169 -	4	1032	4.92
LOC_Os05g50490.3	X8 domain containing protein, expressed	Chr5	28950837	28952754 -	4	1377	4.92
LOC_Os05g50490.1	X8 domain containing protein, expressed	Chr5	28950838	28952754 -	4	1343	4.92
LOC_Os05g50490.2	X8 domain containing protein, expressed	Chr5	28950837	28952754 -	4	1338	4.92
LOC_Os08g31130.1	integral membrane protein DUF6 containing protein, expressed	Chr8	19222064	19227521 -	7	1617	4.92
LOC_Os02g35840.1	expressed protein	Chr2	21529602	21532808 -	2	1884	4.92
LOC_Os07g46430.1	expressed protein	Chr7	27701580	27705190 -	7	1674	4.92
LOC_Os02g10950.1	expressed protein	Chr2	5816586	5819181 -	2	915	4.92
LOC_Os05g34160.1	mTERF domain containing protein, expressed	Chr5	20196728	20198598 +	1	1903	4.92
LOC_Os11g04490.1	astaxanthin synthase KC28, putative, expressed	Chr11	1879360	1881945 +	9	1359	4.92
LOC_Os03g27780.2	protein phosphatase protein, putative, expressed	Chr3	15932524	15936871 +	8	2862	4.92
LOC_Os03g07110.2	calmodulin-binding protein, putative, expressed	Chr3	3631135	3635525 -	11	2776	4.92
LOC_Os10g03600.1	OsFBX343 - F-box domain containing protein, expressed	Chr10	1556748	1559927 +	2	1844	4.92
LOC_Os02g26940.1	vegetative storage protein, putative, expressed	Chr2	15821478	15825977 -	3	3477	4.93
LOC_Os02g04230.2	CGMC_MAPKCMGC_2.7 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed	Chr2	1850954	1855166 -	11	2356	4.93
LOC_Os03g53390.1	expressed protein	Chr3	30632873	30636506 +	5	1234	4.93
LOC_Os03g12050.1	expressed protein	Chr3	6321973	6324032 -	1	2092	4.93
LOC_Os01g69220.1	exostosin family domain containing protein, expressed	Chr1	40230199	40233220 +	4	2097	4.93
LOC_Os11g23880.4	expressed protein	Chr11	13521325	13526265 +	6	1766	4.93
LOC_Os09g32940.4	expressed protein	Chr9	19630609	19632137 +	4	1224	4.93
LOC_Os10g35760.1	pentatricopeptide, putative, expressed	Chr10	19112196	19114289 +	2	2070	4.93
LOC_Os10g34730.1	GEM, putative, expressed	Chr10	18545043	18546241 -	4	1009	4.93
LOC_Os11g23880.2	expressed protein	Chr11	13521342	13526257 +	6	1761	4.93

LOC_Os12g16680.1	expressed protein	Chr12	9555641	9557963 +	6	567	4.93
LOC_Os04g49590.1	regulatory protein, putative, expressed	Chr4	29577953	29581134 -	4	1911	4.93
LOC_Os02g25230.1	expressed protein	Chr2	14680969	14684808 +	1	3872	4.93
LOC_Os03g60890.1	calmodulin binding protein, putative, expressed	Chr3	34602552	34605732 -	7	2050	4.93
LOC_Os02g10380.1	Regulator of chromosome condensation domain containing protein, expressed	Chr2	5465521	5468118 -	4	1465	4.93
LOC_Os01g29680.1	retrotransposon protein, putative, Ty1-copia subclass, expressed	Chr1	16630029	16632800 -	4	2045	4.93
LOC_Os12g13174.1	expressed protein	Chr12	7340876	7344834 -	1	3991	4.93
LOC_Os04g41530.1	serine/threonine-protein kinase GCN2, putative, expressed	Chr4	24631230	24635840 +	12	1695	4.93
LOC_Os04g31950.1	LSM domain containing protein, expressed	Chr4	19134251	19139588 -	3	772	4.93
LOC_Os06g51400.1	expressed protein	Chr6	31132833	31136056 +	6	1698	4.93
LOC_Os03g48920.1	DUF1517 domain containing protein, putative, expressed	Chr3	27854761	27858506 +	6	1636	4.93
LOC_Os01g50622.3	DNA-binding protein DSP1, putative, expressed	Chr1	29072766	29076344 -	10	1808	4.93
LOC_Os05g39840.1	expressed protein	Chr5	23416415	23419341 +	2	2138	4.94
LOC_Os07g33350.2	hsp20/alpha crystallin family protein, putative, expressed	Chr7	19935493	19936422 +	2	909	4.94
LOC_Os07g33350.1	hsp20/alpha crystallin family protein, putative, expressed	Chr7	19935493	19936423 +	1	963	4.94
LOC_Os07g32340.3	retrotransposon protein, putative, unclassified, expressed	Chr7	19223928	19230480 +	6	3110	4.94
LOC_Os07g32340.1	retrotransposon protein, putative, unclassified, expressed	Chr7	19223928	19230480 +	6	3071	4.94
LOC_Os07g32340.2	retrotransposon protein, putative, unclassified, expressed	Chr7	19223928	19230480 +	6	3067	4.94
LOC_Os05g20954.4	retrotransposon protein, putative, unclassified, expressed	Chr5	12324846	12327690 +	3	686	4.94
LOC_Os02g18450.1	GTP-binding protein typA/bipA, putative, expressed	Chr2	10739451	10747502 +	14	3316	4.94
LOC_Os01g66230.2	csAtPR5, putative, expressed	Chr1	38469633	38475218 -	6	3275	4.94
LOC_Os07g08880.4	ES43 protein, putative, expressed	Chr7	4606679	4609665 +	2	764	4.94
LOC_Os10g36710.1	CAMK_CAMK_like.40 - CAMK includes calcium/calmodulin dependent protein kinases, expressed	Chr10	19640792	19645948 +	11	2435	4.94
LOC_Os05g15720.1	expressed protein	Chr5	8879120	8886570 +	13	4057	4.94
LOC_Os12g29500.1	expressed protein	Chr12	17537308	17539450 -	4	773	4.94
LOC_Os01g10250.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr1	5389733	5394414 -	7	1814	4.94
LOC_Os07g36760.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr7	22024801	22027091 -	3	1116	4.94
LOC_Os02g02120.1	OsWAK11 - OsWAK receptor-like protein kinase, expressed	Chr2	627342	630655 -	3	2954	4.94
LOC_Os04g39130.1	expressed protein	Chr4	23272614	23275363 +	4	1400	4.94
LOC_Os01g71300.3	S-formylglutathione hydrolase, putative, expressed	Chr1	41251226	41268578 +	4	1218	4.94
LOC_Os08g02680.2	expressed protein	Chr8	1116925	1119641 -	2	1144	4.94
LOC_Os04g52820.1	expressed protein	Chr4	31448546	31452514 +	9	1143	4.94
LOC_Os06g47830.1	RPA2C - Putative single-stranded DNA binding complex subunit 2, expressed	Chr6	28946879	28950601 -	10	2002	4.94
LOC_Os02g26960.1	expressed protein	Chr2	15829250	15833220 -	2	1346	4.95
LOC_Os08g45140.1	OsGrx_S12 - glutaredoxin subgroup I, expressed	Chr8	28343297	28345543 +	5	976	4.95
LOC_Os09g10840.2	transcription factor, putative, expressed	Chr9	5918077	5929775 +	11	2445	4.95
LOC_Os09g10840.1	transcription factor, putative, expressed	Chr9	5918077	5929775 +	11	2421	4.95
LOC_Os02g21660.2	L1P family of ribosomal proteins domain containing protein, expressed	Chr2	12869461	12872471 +	5	1338	4.95
LOC_Os02g21660.1	L1P family of ribosomal proteins domain containing protein, expressed	Chr2	12869461	12872472 +	6	1264	4.95
LOC_Os02g07840.2	bZIP transcription factor domain containing protein, expressed	Chr2	4109810	4112884 +	6	1545	4.95
LOC_Os02g07840.1	bZIP transcription factor domain containing protein, expressed	Chr2	4109770	4112884 +	6	1588	4.95
LOC_Os07g48520.3	gamete-specific hydroxyproline-rich glycoprotein a2, putative, expressed	Chr7	29024590	29029437 +	3	3602	4.95
LOC_Os03g07340.1	ribosomal L18p/L5e family protein, putative, expressed	Chr3	3727762	3729070 -	3	1015	4.95
LOC_Os12g02970.1	RNA binding protein, putative, expressed	Chr12	1098580	1101299 -	7	1667	4.95
LOC_Os10g03750.1	OsFBX349 - F-box domain containing protein, expressed	Chr10	1694920	1697854 -	4	2014	4.95

LOC_Os02g21660.3	L1P family of ribosomal proteins domain containing protein, expressed	Chr2	12869461	12872471 +	5	1638	4.95
LOC_Os07g41310.1	COBRA, putative, expressed	Chr7	24751588	24755397 +	6	2180	4.95
LOC_Os11g02620.1	BTBN21 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3	Chr11	827666	831854 -	4	2137	4.95
LOC_Os01g55310.1	haloacid dehalogenase-like hydrolase domain-containing protein 1A, putative, expressed	Chr1	31836495	31839636 -	9	1293	4.95
LOC_Os05g19270.1	MSH-like DNA mismatch repair protein, putative, expressed	Chr5	11189415	11198075 +	13	3807	4.95
LOC_Os04g47660.1	retrotransposon protein, putative, unclassified, expressed	Chr4	28280837	28282961 +	2	1354	4.95
LOC_Os09g23250.1	expressed protein	Chr9	13798351	13801104 +	6	1185	4.95
LOC_Os02g58620.1	pentatricopeptide, putative, expressed	Chr2	35822996	35829631 +	11	3851	4.95
LOC_Os01g59060.1	50S ribosomal protein, putative, expressed	Chr1	34133777	34135646 -	2	820	4.95
LOC_Os03g39432.1	CPuORF31 - conserved peptide uORF-containing transcript, expressed	Chr3	21910225	21913786 +	3	2124	4.95
LOC_Os08g38890.1	expressed protein	Chr8	24581314	24583718 -	2	1829	4.96
LOC_Os04g22870.1	rpp14 family protein, expressed	Chr4	12955765	12959917 -	4	1316	4.96
LOC_Os12g05750.1	eukaryotic aspartyl protease domain containing protein, expressed	Chr12	2650651	2651769 -	1	1151	4.96
LOC_Os05g44610.1	expressed protein	Chr5	25952719	25955835 +	1	3149	4.96
LOC_Os07g30250.1	RFT1, putative, expressed	Chr7	17881007	17887821 -	12	3590	4.96
LOC_Os02g47230.1	Disease resistance/zinc finger/chromosome condensation-like region protein, putative, expressed	Chr2	28826708	28833632 -	7	2354	4.96
LOC_Os02g47230.2	Disease resistance/zinc finger/chromosome condensation-like region protein, putative, expressed	Chr2	28826708	28833632 -	7	2498	4.96
LOC_Os06g38680.1	expressed protein	Chr6	22967816	22971851 -	2	3959	4.96
LOC_Os05g05580.1	expressed protein	Chr5	2767332	2775704 -	16	2491	4.96
LOC_Os01g62070.1	cation efflux family protein, putative, expressed	Chr1	35917401	35921969 -	6	1968	4.96
LOC_Os02g44360.1	scarecrow transcription factor family protein, putative, expressed	Chr2	26841585	26844331 +	1	2779	4.96
LOC_Os09g28000.2	OsSigP6 - Putative Type I Signal Peptidase homologue%3B employs a putative Ser/Lys catalytic d	Chr9	17003030	17005694 -	5	2150	4.96
LOC_Os01g27520.2	tRNA synthetases class II domain containing protein, expressed	Chr1	15356779	15360684 -	6	2288	4.96
LOC_Os11g14525.1	expressed protein	Chr11	8158799	8159473 -	1	707	4.96
LOC_Os07g38620.1	pyridoxamine 5%27-phosphate oxidase family protein, putative, expressed	Chr7	23194203	23199120 -	11	1921	4.97
LOC_Os07g45780.1	expressed protein	Chr7	27330316	27333500 +	6	2334	4.97
LOC_Os03g48170.1	5-AMP-activated protein kinase-related, putative, expressed	Chr3	27408274	27413242 +	9	2355	4.97
LOC_Os01g24090.1	TPR repeat, putative, expressed	Chr1	13582036	13584917 -	8	1488	4.97
LOC_Os01g24090.2	TPR repeat, putative, expressed	Chr1	13582036	13584917 -	5	1701	4.97
LOC_Os05g20914.2	expressed protein	Chr5	12293920	12297797 +	6	1373	4.97
LOC_Os03g52130.1	expressed protein	Chr3	29931355	29932698 +	3	811	4.97
LOC_Os03g57569.2	expressed protein	Chr3	32824996	32828545 -	2	1962	4.97
LOC_Os10g39170.1	peroxidase precursor, putative, expressed	Chr10	20900132	20902342 +	3	1530	4.97
LOC_Os08g40100.1	expressed protein	Chr8	25385363	25387275 -	2	849	4.97
LOC_Os03g55760.1	MYB family transcription factor, putative, expressed	Chr3	31749469	31755282 +	6	1720	4.97
LOC_Os01g54210.1	GATA zinc finger domain containing protein, expressed	Chr1	31180196	31182456 -	2	1815	4.97
LOC_Os03g61580.1	expressed protein	Chr3	34918614	34922707 +	6	2074	4.97
LOC_Os06g27540.1	retrotransposon protein, putative, unclassified, expressed	Chr6	15589924	15594920 +	7	3434	4.97
LOC_Os01g15970.1	expressed protein	Chr1	8986253	8987398 +	3	1015	4.97
LOC_Os02g42370.1	receptor-like protein kinase 2 precursor, putative, expressed	Chr2	25488084	25491732 +	3	3467	4.97
LOC_Os05g01300.1	expressed protein	Chr5	195354	197342 -	2	1487	4.97
LOC_Os11g43510.1	lipase precursor, putative, expressed	Chr11	26263726	26267156 +	10	1751	4.97
LOC_Os12g17830.2	expressed protein	Chr12	10208632	10211165 -	3	1245	4.97
LOC_Os05g20954.3	retrotransposon protein, putative, unclassified, expressed	Chr5	12324846	12327690 +	4	903	4.97
LOC_Os08g39960.1	3-oxoacyl-reductase, chloroplast precursor, putative, expressed	Chr8	25319026	25320721 -	3	1112	4.97

LOC_Os02g03620.1	seven in absentia protein family domain containing protein, expressed	Chr2	1481233	1485113 -	4	1544	4.97
LOC_Os02g38210.1	elongation factor Tu, putative, expressed	Chr2	23111937	23113929 +	1	2025	4.97
LOC_Os09g19160.1	serine/threonine-protein kinase, putative, expressed	Chr9	11449827	11458902 +	11	2329	4.97
LOC_Os01g48010.1	expressed protein	Chr1	27482806	27486965 +	2	1809	4.97
LOC_Os05g38850.1	MCM8 - Putative minichromosome maintenance MCM family subunit 8, expressed	Chr5	22789273	22797554 +	14	2704	4.97
LOC_Os03g60200.1	pentatricopeptide, putative, expressed	Chr3	34238474	34241647 +	2	3149	4.98
LOC_Os12g03540.1	WD domain, G-beta repeat domain containing protein, expressed	Chr12	1405136	1409433 -	15	2270	4.98
LOC_Os04g40870.1	alveolar soft part sarcoma chromosome region, candidate 1, putative, expressed	Chr4	24253308	24257461 +	8	1541	4.98
LOC_Os05g10590.2	expressed protein	Chr5	5763773	5767497 +	4	1254	4.98
LOC_Os11g45809.1	expressed protein	Chr11	27717452	27721100 +	3	2843	4.98
LOC_Os04g41300.1	ribosome recycling factor, putative, expressed	Chr4	24505544	24508402 -	8	1450	4.98
LOC_Os05g38460.1	MYB family transcription factor, putative, expressed	Chr5	22553303	22561067 -	9	2769	4.98
LOC_Os06g50860.1	hydrolase, acting on carbon-nitrogen, putative, expressed	Chr6	30770702	30773820 -	7	2032	4.99
LOC_Os06g50860.2	hydrolase, acting on carbon-nitrogen, putative, expressed	Chr6	30770702	30773813 -	6	2084	4.99
LOC_Os03g18830.1	programmed cell death protein 2, putative, expressed	Chr3	10551741	10556172 -	11	2278	4.99
LOC_Os12g37160.1	expressed protein	Chr12	22783377	22785769 -	4	2131	4.99
LOC_Os04g56970.2	tubulin/FtsZ domain containing protein, putative, expressed	Chr4	33963664	33966745 -	6	1921	4.99
LOC_Os04g56970.1	tubulin/FtsZ domain containing protein, putative, expressed	Chr4	33963664	33966744 -	6	1926	4.99
LOC_Os03g31310.4	circadian clock coupling factor-related, putative, expressed	Chr3	17842767	17844363 -	2	1329	4.99
LOC_Os08g27824.1	NOL1/NOP2/sun family protein, putative, expressed	Chr8	16946485	16959993 -	12	2679	4.99
LOC_Os02g10090.1	expressed protein	Chr2	5254080	5257596 -	6	2550	4.99
LOC_Os02g10090.2	expressed protein	Chr2	5254199	5257596 -	5	2501	4.99
LOC_Os07g48520.1	gamete-specific hydroxyproline-rich glycoprotein a2, putative, expressed	Chr7	29024590	29029437 +	3	4688	4.99
LOC_Os03g48600.8	domain of unknown function DUF966 domain containing protein, expressed	Chr3	27705346	27709641 -	7	2469	4.99
LOC_Os03g48600.11	domain of unknown function DUF966 domain containing protein, expressed	Chr3	27705346	27709695 -	8	2474	4.99
LOC_Os03g48600.9	domain of unknown function DUF966 domain containing protein, expressed	Chr3	27705346	27709706 -	8	2529	4.99
LOC_Os03g48600.5	domain of unknown function DUF966 domain containing protein, expressed	Chr3	27705346	27710498 -	8	2670	4.99
LOC_Os08g36170.1	cytokinesis negative regulator RCP1, putative, expressed	Chr8	22808465	22814436 +	2	1704	4.99
LOC_Os05g20954.2	retrotransposon protein, putative, unclassified, expressed	Chr5	12324846	12327690 +	4	960	4.99
LOC_Os01g56890.3	expressed protein	Chr1	32856951	32858097 -	2	1137	4.99
LOC_Os02g44550.1	NADP-dependent malic enzyme, putative, expressed	Chr2	26988678	26993990 -	7	4106	4.99
LOC_Os02g53180.2	1-aminocyclopropane-1-carboxylate oxidase protein, putative, expressed	Chr2	32558636	32562705 +	3	3253	4.99
LOC_Os11g04990.2	expressed protein	Chr11	2145222	2146761 +	5	809	4.99
LOC_Os08g39580.1	zinc knuckle family protein, expressed	Chr8	25043265	25047377 -	3	3924	5.00
LOC_Os11g03530.2	ELMO/CED-12 family protein, putative, expressed	Chr11	1360742	1364120 +	9	1585	5.00
LOC_Os11g03530.3	ELMO/CED-12 family protein, putative, expressed	Chr11	1360723	1364120 +	12	1921	5.00
LOC_Os11g03530.1	ELMO/CED-12 family protein, putative, expressed	Chr11	1360723	1364127 +	12	1933	5.00
LOC_Os02g14890.1	expressed protein	Chr2	8292472	8293263 +	1	824	5.00
LOC_Os07g38110.2	tic20, putative, expressed	Chr7	22851356	22853915 -	3	1422	5.00
LOC_Os04g02510.1	ZOS4-01 - C2H2 zinc finger protein, expressed	Chr4	913866	917650 +	3	1828	5.00
LOC_Os04g30450.1	DUF803 domain containing, putative, expressed	Chr4	18190661	18193887 +	8	1576	5.00
LOC_Os04g24430.1	sucrose synthase, putative, expressed	Chr4	14008245	14013440 +	17	3388	5.00
LOC_Os12g32210.2	autophagy-related protein 10, putative, expressed	Chr12	19440718	19443701 +	9	1777	5.00
LOC_Os02g04230.1	CGMC_MAPKCMGC_2.7 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed	Chr2	1850954	1857067 -	11	2456	5.00
LOC_Os06g09820.1	cupin superfamily protein, putative, expressed	Chr6	5002237	5004824 -	3	1090	5.00

LOC_Os04g14730.1	expressed protein	Chr4	8274727	8275182 -	1	488	5.00
LOC_Os12g31790.1	expressed protein	Chr12	19126131	19129712 -	3	826	5.00
LOC_Os11g06880.1	acyl-CoA synthetase, putative, expressed	Chr11	3374944	3377966 +	7	1767	5.00
LOC_Os03g50470.2	expressed protein	Chr3	28804844	28810296 -	5	1685	5.01
LOC_Os01g10250.3	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr1	5389733	5394414 -	5	2470	5.01
LOC_Os05g48050.1	ribosomal protein L7/L12 C-terminal domain containing protein, expressed	Chr5	27546982	27548785 -	2	1268	5.01
LOC_Os02g49820.1	RNA recognition motif family protein, expressed	Chr2	30444896	30448425 +	9	2234	5.01
LOC_Os04g32710.1	40S ribosomal protein S27, putative, expressed	Chr4	19712823	19714034 +	3	234	5.01
LOC_Os03g53900.4	universal stress protein domain containing protein, putative, expressed	Chr3	30901299	30903033 -	4	1574	5.01
LOC_Os03g53900.3	universal stress protein domain containing protein, putative, expressed	Chr3	30901299	30903033 -	4	1577	5.01
LOC_Os03g53900.2	universal stress protein domain containing protein, putative, expressed	Chr3	30901299	30903035 -	4	1585	5.01
LOC_Os03g53900.1	universal stress protein domain containing protein, putative, expressed	Chr3	30901299	30903033 -	4	1586	5.01
LOC_Os03g53900.5	universal stress protein domain containing protein, putative, expressed	Chr3	30901299	30903033 -	3	1662	5.01
LOC_Os10g41800.1	expressed protein	Chr10	22497865	22499262 -	1	1430	5.01
LOC_Os01g21610.1	uncharacterized aarF domain-containing protein kinase 4, putative, expressed	Chr1	12108869	12110717 +	3	1443	5.01
LOC_Os05g30250.1	Os5bglu19 - beta-glucosidase homologue, similar to G. max isohydroxyurate hydrolase, expressed	Chr5	17530143	17534646 +	13	2673	5.01
LOC_Os03g18960.1	calmodulin binding protein, putative, expressed	Chr3	10617883	10620525 +	8	1783	5.01
LOC_Os11g23880.1	expressed protein	Chr11	13521342	13526257 +	5	2371	5.01
LOC_Os07g38290.1	plastocyanin-like domain containing protein, putative, expressed	Chr7	22996769	23001763 -	4	1120	5.01
LOC_Os06g03820.1	expressed protein	Chr6	1530110	1531686 +	1	1609	5.01
LOC_Os06g08400.2	LIM domain-containing protein, putative, expressed	Chr6	4093254	4100890 +	12	2890	5.01
LOC_Os01g70240.2	expressed protein	Chr1	40668623	40671873 -	3	843	5.01
LOC_Os01g70240.1	expressed protein	Chr1	40668623	40671874 -	3	847	5.01
LOC_Os09g27140.1	expressed protein	Chr9	16505340	16508819 -	4	1246	5.01
LOC_Os07g01710.1	phytosulfokine receptor precursor, putative, expressed	Chr7	424870	428523 +	1	3686	5.01
LOC_Os10g42720.1	acyltransferase, putative, expressed	Chr10	23044693	23050740 +	14	2495	5.01
LOC_Os01g36020.1	retrotransposon protein, putative, unclassified, expressed	Chr1	19929043	19931949 -	8	2314	5.01
LOC_Os03g31180.1	diacylglycerol kinase 1, putative, expressed	Chr3	17754818	17761133 +	8	3175	5.02
LOC_Os03g30580.1	expressed protein	Chr3	17453197	17456931 -	5	1820	5.02
LOC_Os04g01160.1	zinc finger family protein, putative, expressed	Chr4	121631	125374 -	2	2702	5.02
LOC_Os03g42350.1	ankyrin, putative, expressed	Chr3	23556180	23562967 +	11	2147	5.02
LOC_Os10g31940.1	inosine triphosphate pyrophosphatase, putative, expressed	Chr10	16768464	16771729 -	7	1695	5.02
LOC_Os01g15850.1	expressed protein	Chr1	8925072	8929646 +	7	1783	5.02
LOC_Os05g27820.1	patellin protein, putative, expressed	Chr5	16216524	16220140 +	4	1788	5.02
LOC_Os06g15370.1	peptide transporter PTR2, putative, expressed	Chr6	8739431	8744022 +	4	2127	5.02
LOC_Os04g56760.1	PHF5-like protein domain containing protein, expressed	Chr4	33854398	33856555 -	2	953	5.02
LOC_Os03g59200.1	expressed protein	Chr3	33711473	33713619 +	1	2179	5.02
LOC_Os09g27900.1	plastidic glucose transporter 1, putative, expressed	Chr9	16963593	16965490 +	6	927	5.02
LOC_Os02g09530.1	expressed protein	Chr2	4908802	4910881 -	6	840	5.02
LOC_Os04g57390.1	acyl-protein thioesterase, putative, expressed	Chr4	34153188	34154953 -	6	1148	5.02
LOC_Os01g01780.1	exostosin family protein, putative, expressed	Chr1	412579	415830 +	7	2308	5.03
LOC_Os10g34790.1	terpene synthase, putative, expressed	Chr10	18573539	18575856 -	4	1369	5.03
LOC_Os03g48600.6	domain of unknown function DUF966 domain containing protein, expressed	Chr3	27705346	27709776 -	8	2599	5.03
LOC_Os08g08592.1	expressed protein	Chr8	4971046	4973854 -	5	2385	5.03
LOC_Os08g08592.2	expressed protein	Chr8	4971046	4973854 -	5	2389	5.03

LOC_Os08g08592.3	expressed protein	Chr8	4971046	4973854 -	4	2450	5.03
LOC_Os04g22720.1	expressed protein	Chr4	12875227	12882818 +	9	2128	5.03
LOC_Os10g41400.2	peptide methionine sulfoxide reductase, putative, expressed	Chr10	22254774	22256429 +	1	1688	5.03
LOC_Os02g48680.1	expressed protein	Chr2	29800719	29801815 +	1	1129	5.03
LOC_Os08g40590.1	oxysterol-binding protein, putative, expressed	Chr8	25694808	25699639 +	6	1969	5.03
LOC_Os01g58550.2	methyladenine glycosylase, putative, expressed	Chr1	33837388	33838996 +	4	1448	5.03
LOC_Os01g52530.1	phosphoribosyl transferase, putative, expressed	Chr1	30180581	30184477 +	7	1860	5.03
LOC_Os05g01460.5	STIP1 homology and U box-containing protein 1, putative, expressed	Chr5	264430	266445 -	5	1459	5.03
LOC_Os02g02470.1	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expres:	Chr2	870724	876616 +	8	2784	5.03
LOC_Os01g27520.1	tRNA synthetases class II domain containing protein, expressed	Chr1	15356779	15360684 -	6	2313	5.03
LOC_Os03g43900.2	phosphatidylinositol N-acetylglucosaminyltransferase subunit P, putative, expressed	Chr3	24630153	24634783 -	7	1566	5.03
LOC_Os03g31290.1	membrane-anchored ubiquitin-fold protein, putative, expressed	Chr3	17824178	17827706 +	4	973	5.03
LOC_Os03g31290.2	membrane-anchored ubiquitin-fold protein, putative, expressed	Chr3	17824178	17827704 +	4	968	5.03
LOC_Os07g12890.1	metal cation transporter, putative, expressed	Chr7	7394515	7397715 +	3	1548	5.04
LOC_Os07g12890.2	metal cation transporter, putative, expressed	Chr7	7394486	7397715 +	4	1510	5.04
LOC_Os04g04010.1	expressed protein	Chr4	1848746	1851594 -	3	1943	5.04
LOC_Os04g59620.1	SNF2 family N-terminal domain containing protein, expressed	Chr4	35445920	35451211 -	16	2878	5.04
LOC_Os02g31874.1	DUF803 domain containing, putative, expressed	Chr2	18827025	18831745 -	14	2353	5.04
LOC_Os02g31874.2	DUF803 domain containing, putative, expressed	Chr2	18827025	18831745 -	14	2341	5.04
LOC_Os09g19570.1	AGAP009532-PA, putative, expressed	Chr9	11707235	11710473 +	8	1626	5.04
LOC_Os12g03094.1	expressed protein	Chr12	1170641	1172382 +	1	1774	5.04
LOC_Os05g36350.1	pentatricopeptide, putative, expressed	Chr5	21518063	21519885 -	1	1855	5.04
LOC_Os02g20870.1	SNI1, putative, expressed	Chr2	12339729	12348543 -	16	2714	5.04
LOC_Os03g06900.1	DNA topoisomerase 3 protein, putative, expressed	Chr3	3489869	3500130 -	21	3159	5.04
LOC_Os08g17610.1	expressed protein	Chr8	10767792	10771223 +	4	1530	5.04
LOC_Os10g35570.1	expressed protein	Chr10	19028120	19033623 +	12	2175	5.04
LOC_Os01g25600.1	tetratricopeptide repeat domain containing protein, expressed	Chr1	14506673	14513164 -	9	2007	5.04
LOC_Os10g05690.1	transmembrane amino acid transporter protein, putative, expressed	Chr10	2849596	2855809 -	5	2289	5.04
LOC_Os05g18950.1	pentatricopeptide, putative, expressed	Chr5	11000428	11002159 +	1	1764	5.04
LOC_Os05g27930.1	AP2 domain containing protein, expressed	Chr5	16296914	16300385 -	2	1786	5.04
LOC_Os10g27300.1	expressed protein	Chr10	14403026	14407182 +	6	2979	5.04
LOC_Os07g46540.1	condensin complex subunit 1, putative, expressed	Chr7	27791106	27799497 -	17	5124	5.04
LOC_Os02g55260.1	DEAD-box ATP-dependent RNA helicase, putative, expressed	Chr2	33838658	33843647 -	10	2689	5.04
LOC_Os02g55260.2	DEAD-box ATP-dependent RNA helicase, putative, expressed	Chr2	33838663	33843632 -	10	2693	5.04
LOC_Os05g01460.3	STIP1 homology and U box-containing protein 1, putative, expressed	Chr5	264430	266445 -	4	1499	5.05
LOC_Os08g09750.1	OsFBL44 - F-box domain and LRR containing protein, expressed	Chr8	5633346	5636364 +	5	2246	5.05
LOC_Os07g33780.1	pleiotropic drug resistance protein 5, putative, expressed	Chr7	20214025	20218702 +	8	2227	5.05
LOC_Os04g58580.1	phosphomannomutase, putative, expressed	Chr4	34828250	34831282 +	11	1666	5.05
LOC_Os06g14400.1	1-aminocyclopropane-1-carboxylate oxidase homolog 4, putative, expressed	Chr6	8038363	8041831 -	2	1562	5.05
LOC_Os01g54890.1	ethylene-responsive transcription factor 2, putative, expressed	Chr1	31567891	31568741 +	2	778	5.05
LOC_Os03g14710.1	protein kinase, putative, expressed	Chr3	7998159	8000334 +	2	2107	5.05
LOC_Os04g58580.2	phosphomannomutase, putative, expressed	Chr4	34828250	34831279 +	10	1840	5.05
LOC_Os06g33330.1	powdery mildew resistant protein 5, putative, expressed	Chr6	19415169	19418493 +	3	2057	5.05
LOC_Os07g05870.1	expressed protein	Chr7	2819026	2822945 -	5	1541	5.05
LOC_Os02g02580.1	expressed protein	Chr2	934586	937786 -	4	1698	5.05

LOC_Os04g14204.1	expressed protein	Chr4	7961018	7964447 -	4	1502	5.05
LOC_Os04g14204.2	expressed protein	Chr4	7961018	7964447 -	4	1502	5.05
LOC_Os04g14204.3	expressed protein	Chr4	7961018	7964447 -	4	1502	5.05
LOC_Os02g02690.1	expressed protein	Chr2	1008399	1011875 -	13	2038	5.05
LOC_Os03g15840.1	glycosyl transferase, group 1 domain containing protein, expressed	Chr3	8737120	8741197 +	11	2410	5.05
LOC_Os04g58690.1	tRNA-specific adenosine deaminase 1, putative, expressed	Chr4	34892934	34895965 +	9	1868	5.05
LOC_Os07g36250.2	peptide chain release factor protein, putative, expressed	Chr7	21668220	21671895 -	7	1918	5.05
LOC_Os07g36250.1	peptide chain release factor protein, putative, expressed	Chr7	21668220	21671905 -	7	1998	5.05
LOC_Os07g36250.3	peptide chain release factor protein, putative, expressed	Chr7	21668220	21671905 -	7	2014	5.05
LOC_Os03g54890.2	ribosomal protein L13, putative, expressed	Chr3	31203316	31205407 +	5	1151	5.05
LOC_Os01g35850.1	Ras family domain containing protein, expressed	Chr1	19851671	19854265 -	8	1281	5.05
LOC_Os03g51930.1	expressed protein	Chr3	29789349	29791210 -	4	1125	5.05
LOC_Os05g48330.1	aspartyl protease family protein, putative, expressed	Chr5	27701967	27705542 -	2	2050	5.05
LOC_Os08g34480.1	splicing factor 3B subunit 5, putative, expressed	Chr8	21633732	21635115 -	4	362	5.05
LOC_Os10g33730.1	pentatricopeptide, putative, expressed	Chr10	17800146	17803223 -	1	3110	5.05
LOC_Os03g20410.1	aquaporin SIP2-1, putative, expressed	Chr3	11546447	11549084 -	3	1275	5.05
LOC_Os08g31940.1	expressed protein	Chr8	19804132	19808804 +	2	1811	5.05
LOC_Os01g26290.1	expressed protein	Chr1	14901174	14903208 +	4	590	5.05
LOC_Os02g30310.2	ThiF family domain containing protein, putative, expressed	Chr2	18039129	18049883 +	13	2150	5.06
LOC_Os01g46040.1	bromodomain domain containing protein, expressed	Chr1	26173185	26177230 -	2	1223	5.06
LOC_Os01g16250.1	expressed protein	Chr1	9201354	9204450 +	3	852	5.06
LOC_Os04g52340.1	expressed protein	Chr4	31098474	31103030 -	11	2000	5.06
LOC_Os06g01840.2	nodulin, putative, expressed	Chr6	477098	479491 +	6	2005	5.06
LOC_Os06g01840.1	nodulin, putative, expressed	Chr6	477098	479491 +	6	2010	5.06
LOC_Os08g09300.1	expressed protein	Chr8	5395453	5397528 +	3	1230	5.06
LOC_Os02g25020.1	DNA binding protein, putative, expressed	Chr2	14507847	14509480 +	1	1666	5.06
LOC_Os02g30310.1	ThiF family domain containing protein, putative, expressed	Chr2	18039080	18049883 +	14	2291	5.06
LOC_Os03g27950.2	Ser/Thr protein phosphatase family protein, putative, expressed	Chr3	16051260	16058325 +	13	2489	5.06
LOC_Os08g34550.1	RING-H2 finger protein, putative, expressed	Chr8	21700152	21702495 +	1	2376	5.06
LOC_Os08g40590.2	oxysterol-binding protein, putative, expressed	Chr8	25696445	25699639 +	5	1750	5.06
LOC_Os05g48340.1	proteasome-related, putative, expressed	Chr5	27712350	27717899 +	17	2696	5.06
LOC_Os04g02354.1	expressed protein	Chr4	835447	837343 +	2	706	5.06
LOC_Os01g07590.1	universal stress protein domain containing protein, putative, expressed	Chr1	3645587	3650362 +	10	1697	5.06
LOC_Os07g07900.1	expressed protein	Chr7	3957966	3960638 -	2	1741	5.06
LOC_Os06g12280.1	glycosyl transferase 8 domain containing protein, putative, expressed	Chr6	6605479	6608454 -	2	1980	5.06
LOC_Os02g07350.1	inositol-1-monophosphatase, putative, expressed	Chr2	3792680	3796762 -	10	1658	5.06
LOC_Os11g06670.1	expressed protein	Chr11	3246517	3249930 +	8	1965	5.06
LOC_Os11g31760.1	transposon protein, putative, unclassified, expressed	Chr11	18628655	18635481 -	11	5210	5.07
LOC_Os09g11850.1	ulp1 protease family, C-terminal catalytic domain containing protein, expressed	Chr9	6643023	6646354 -	12	2406	5.07
LOC_Os09g21802.1	expressed protein	Chr9	13209614	13211693 -	3	2002	5.07
LOC_Os07g47970.1	expressed protein	Chr7	28653858	28656014 +	1	2189	5.07
LOC_Os03g53980.1	expressed protein	Chr3	30949716	30950765 +	4	821	5.07
LOC_Os03g53980.2	expressed protein	Chr3	30949716	30950766 +	5	773	5.07
LOC_Os02g50600.1	glycosyl transferase 8 domain containing protein, putative, expressed	Chr2	30899534	30901300 -	1	1799	5.07
LOC_Os01g52864.2	transmembrane protein, putative, expressed	Chr1	30398944	30405920 +	5	1865	5.07

LOC_Os01g52864.1	transmembrane protein, putative, expressed	Chr1	30398944	30405920 +	5	1868	5.07
LOC_Os01g52864.4	transmembrane protein, putative, expressed	Chr1	30398944	30405920 +	5	1870	5.07
LOC_Os06g46120.1	expressed protein	Chr6	27953690	27956183 -	4	653	5.07
LOC_Os04g52410.2	OsMADS31 - MADS-box family gene with MIKCC type-box, expressed	Chr4	31143083	31144886 +	7	1014	5.07
LOC_Os01g61180.1	exo70 exocyst complex subunit domain containing protein, expressed	Chr1	35409290	35411747 +	1	2490	5.07
LOC_Os10g33910.1	mitochondrial import inner membrane translocase subunit Tim16, putative, expressed	Chr10	18006943	18009746 +	4	945	5.07
LOC_Os01g47420.3	pterin-4-alpha-carbinolamine dehydratase, putative, expressed	Chr1	27097261	27100314 +	5	885	5.07
LOC_Os05g35070.1	DUF630/DUF632 domains containing protein, putative, expressed	Chr5	20816584	20820780 -	4	3185	5.07
LOC_Os05g27930.2	AP2 domain containing protein, expressed	Chr5	16296925	16300379 -	3	1857	5.07
LOC_Os05g27930.4	AP2 domain containing protein, expressed	Chr5	16296914	16300385 -	3	1871	5.07
LOC_Os01g37280.7	expressed protein	Chr1	20816985	20820446 +	4	1392	5.07
LOC_Os01g37280.6	expressed protein	Chr1	20816955	20820446 +	5	1341	5.07
LOC_Os01g37280.5	expressed protein	Chr1	20816955	20820446 +	5	1334	5.07
LOC_Os01g37280.8	expressed protein	Chr1	20816985	20820446 +	5	1322	5.07
LOC_Os01g37280.4	expressed protein	Chr1	20816985	20820446 +	5	1308	5.07
LOC_Os01g72250.1	uridine 5-monophosphate synthase, putative, expressed	Chr1	41892678	41896242 +	6	1902	5.07
LOC_Os03g48920.2	DUF1517 domain containing protein, putative, expressed	Chr3	27854800	27857397 +	4	1420	5.07
LOC_Os05g46520.1	polygalacturonase, putative, expressed	Chr5	26943380	26945869 +	9	1844	5.07
LOC_Os05g48340.3	proteasome-related, putative, expressed	Chr5	27712350	27717899 +	16	2899	5.07
LOC_Os02g54060.2	chaperonin, putative, expressed	Chr2	33114780	33117303 -	4	1060	5.07
LOC_Os05g48340.2	proteasome-related, putative, expressed	Chr5	27712350	27717899 +	16	2753	5.07
LOC_Os06g09090.3	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4571088	4574927 -	5	2158	5.07
LOC_Os06g09090.2	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4571088	4574911 -	6	2243	5.07
LOC_Os02g47280.2	growth-regulating factor, putative, expressed	Chr2	28863173	28866997 -	5	1784	5.07
LOC_Os02g47280.1	growth-regulating factor, putative, expressed	Chr2	28863173	28866997 -	4	1849	5.07
LOC_Os04g44560.1	expressed protein	Chr4	26375704	26380073 +	6	1856	5.07
LOC_Os01g52260.1	serine acetyltransferase protein, putative, expressed	Chr1	30042527	30043938 +	1	1444	5.07
LOC_Os12g42060.2	OsWAK128b - OsWAK receptor-like protein kinase, expressed	Chr12	26087463	26088874 +	1	1444	5.07
LOC_Os02g12654.2	expressed protein	Chr2	6608061	6611040 +	2	1688	5.07
LOC_Os01g40570.1	outer mitochondrial membrane porin, putative, expressed	Chr1	22908180	22910687 -	6	1530	5.07
LOC_Os02g49570.1	OsProtIV1 - Putative Protease IV homologue%3B Domain 2 is a SPH, expressed	Chr2	30297164	30306169 -	13	2894	5.08
LOC_Os10g37190.1	protein kinase domain containing protein, expressed	Chr10	19899083	19900928 -	2	1797	5.08
LOC_Os04g05050.1	pectate lyase precursor, putative, expressed	Chr4	2480533	2485914 +	7	2290	5.08
LOC_Os04g05050.2	pectate lyase precursor, putative, expressed	Chr4	2483098	2485914 +	4	2281	5.08
LOC_Os12g08170.1	2-oxo acid dehydrogenases acyltransferase domain containing protein, expressed	Chr12	4171977	4176907 -	6	2037	5.08
LOC_Os12g44130.1	expressed protein	Chr12	27374585	27377742 +	1	3190	5.08
LOC_Os06g09090.1	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4571088	4574911 -	5	2177	5.08
LOC_Os06g09090.4	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4571088	4574911 -	6	2278	5.08
LOC_Os06g41910.1	expressed protein	Chr6	25145626	25148023 +	2	1985	5.08
LOC_Os02g13520.1	OsIAA7 - Auxin-responsive Aux/IAA gene family member, expressed	Chr2	7245015	7248672 -	6	1725	5.08
LOC_Os03g27950.1	Ser/Thr protein phosphatase family protein, putative, expressed	Chr3	16051260	16058325 +	13	2582	5.08
LOC_Os05g32980.1	expressed protein	Chr5	19334024	19334424 +	2	364	5.08
LOC_Os04g50860.1	expressed protein	Chr4	30077624	30080399 -	3	1547	5.08
LOC_Os01g37510.1	peptide deformylase, putative, expressed	Chr1	20953958	20955515 -	4	1300	5.08
LOC_Os08g33700.1	pentatricopeptide, putative, expressed	Chr8	21043003	21047252 +	3	3490	5.08

LOC_Os02g06290.2	rhodanese-like domain containing protein, putative, expressed	Chr2	3142294	3144660 +	5	1464	5.08
LOC_Os02g06290.1	rhodanese-like domain containing protein, putative, expressed	Chr2	3141992	3144660 +	7	1577	5.08
LOC_Os11g17280.1	expressed protein	Chr11	9621240	9626529 -	4	4646	5.08
LOC_Os03g57900.1	zinc finger A20 and AN1 domain-containing stress-associated protein, putative, expressed	Chr3	32982032	32982969 -	1	970	5.08
LOC_Os05g49650.2	expressed protein	Chr5	28480921	28482905 -	2	775	5.08
LOC_Os01g56400.1	ABC transporter, ATP-binding protein, putative, expressed	Chr1	32513693	32517028 -	5	1198	5.08
LOC_Os08g02400.1	40S ribosomal protein S13, putative, expressed	Chr8	956309	958681 -	5	1029	5.09
LOC_Os01g47420.1	pterin-4-alpha-carbinolamine dehydratase, putative, expressed	Chr1	27095458	27100314 +	7	1193	5.09
LOC_Os01g43230.3	expressed protein	Chr1	24695828	24697913 -	4	959	5.09
LOC_Os01g43230.2	expressed protein	Chr1	24695760	24697913 -	4	1030	5.09
LOC_Os12g43664.1	FGGY family of carbohydrate kinases, putative, expressed	Chr12	27128006	27131959 -	11	2641	5.09
LOC_Os11g01869.1	double-stranded RNA binding motif containing protein, expressed	Chr11	457104	461678 -	4	2048	5.09
LOC_Os11g01869.2	double-stranded RNA binding motif containing protein, expressed	Chr11	457117	461678 -	5	1981	5.09
LOC_Os02g58550.1	chloroplast channel forming outer membrane protein, putative, expressed	Chr2	35784842	35787820 -	5	1088	5.09
LOC_Os03g11110.1	zinc finger family protein, putative, expressed	Chr3	5710186	5715012 -	9	2769	5.09
LOC_Os11g37060.1	OsFBDUF52 - F-box and DUF domain containing protein, expressed	Chr11	21881616	21882979 +	1	1396	5.09
LOC_Os04g57150.1	tafazzin, putative, expressed	Chr4	34054300	34058149 -	5	1406	5.09
LOC_Os04g57150.2	tafazzin, putative, expressed	Chr4	34054300	34058149 -	5	1396	5.09
LOC_Os12g02960.1	glutathione S-transferase, putative, expressed	Chr12	1097476	1098454 +	2	975	5.09
LOC_Os04g46050.1	Alg9-like mannosyltransferase protein, putative, expressed	Chr4	27275215	27282749 -	20	2721	5.09
LOC_Os05g28950.2	CAAX amino terminal protease family protein, putative, expressed	Chr5	16972939	16975971 +	7	1844	5.09
LOC_Os12g08830.1	thylakoid luminal 29.8 kDa protein, putative, expressed	Chr12	4555855	4558043 -	5	1509	5.09
LOC_Os12g08830.2	thylakoid luminal 29.8 kDa protein, putative, expressed	Chr12	4555855	4558043 -	5	1513	5.09
LOC_Os06g01230.2	no apical meristem protein, putative, expressed	Chr6	153391	156618 -	5	2468	5.09
LOC_Os06g01230.1	no apical meristem protein, putative, expressed	Chr6	153391	156618 -	6	2399	5.09
LOC_Os01g49180.1	ATP dependent DNA ligase family protein, putative, expressed	Chr1	28261415	28273067 -	21	5040	5.09
LOC_Os01g47420.2	pterin-4-alpha-carbinolamine dehydratase, putative, expressed	Chr1	27095458	27100314 +	6	1279	5.09
LOC_Os03g11380.3	SNARE domain containing protein, putative, expressed	Chr3	5860717	5863891 +	6	1509	5.09
LOC_Os04g08180.1	expressed protein	Chr4	4349134	4352198 +	6	795	5.09
LOC_Os04g51570.1	tyrosine phosphatase, putative, expressed	Chr4	30550961	30552136 +	2	864	5.09
LOC_Os02g26614.1	retrotransposon protein, putative, unclassified, expressed	Chr2	15621008	15629984 +	12	3381	5.09
LOC_Os09g06970.1	transport protein particle component, Bet3, domain containing protein, expressed	Chr9	3369499	3376004 +	4	1272	5.10
LOC_Os08g03450.1	ribosomal protein L37, putative, expressed	Chr8	1619214	1621401 +	4	662	5.10
LOC_Os04g40940.2	mitotic spindle checkpoint protein MAD2, putative, expressed	Chr4	24301441	24303182 -	5	1455	5.10
LOC_Os04g40940.1	mitotic spindle checkpoint protein MAD2, putative, expressed	Chr4	24301441	24303171 -	6	1316	5.10
LOC_Os02g55010.1	expressed protein	Chr2	33700414	33706335 +	7	3996	5.10
LOC_Os11g32780.1	expressed protein	Chr11	19362542	19366156 +	3	1235	5.10
LOC_Os01g52050.1	systemin receptor SR160 precursor, putative, expressed	Chr1	29927543	29931487 -	1	3977	5.10
LOC_Os01g65650.1	receptor-like protein kinase HAIKU2 precursor, putative, expressed	Chr1	38112066	38118720 +	3	4206	5.10
LOC_Os03g63470.1	retrotransposon protein, putative, unclassified, expressed	Chr3	35855445	35860549 +	7	2425	5.10
LOC_Os12g37850.1	expressed protein	Chr12	23256397	23258478 -	5	589	5.10
LOC_Os09g06970.3	transport protein particle component, Bet3, domain containing protein, expressed	Chr9	3369503	3376004 +	3	1310	5.10
LOC_Os07g29750.1	glycosyl hydrolases family 16, putative, expressed	Chr7	17490699	17493026 +	4	1768	5.10
LOC_Os05g35720.1	transmembrane protein 18, putative, expressed	Chr5	21205865	21207702 +	4	989	5.10
LOC_Os08g30260.1	retrotransposon protein, putative, unclassified, expressed	Chr8	18598676	18601822 +	9	1617	5.10

LOC_Os01g70300.3	aspartokinase 3, chloroplast precursor, putative, expressed	Chr1	40709993	40712960 -	9	1690	5.10
LOC_Os04g40050.2	ribonuclease H2 subunit B, putative, expressed	Chr4	23843544	23847934 +	8	2797	5.10
LOC_Os01g45390.2	HD domain containing protein 2, putative, expressed	Chr1	25762489	25766525 +	8	1547	5.10
LOC_Os02g32540.1	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr2	19260158	19262201 +	2	1718	5.10
LOC_Os01g09410.1	expressed protein	Chr1	4791837	4795348 +	5	1740	5.10
LOC_Os08g34740.1	SGT1 protein, putative, expressed	Chr8	21835042	21840598 -	5	2830	5.10
LOC_Os03g48190.1	expressed protein	Chr3	27431844	27436602 -	4	1870	5.10
LOC_Os05g51190.2	protein kinase family protein, putative, expressed	Chr5	29359930	29364139 -	7	3480	5.10
LOC_Os03g40310.1	RNA recognition motif containing protein, putative, expressed	Chr3	22413557	22418672 -	3	1133	5.10
LOC_Os06g29370.1	expressed protein	Chr6	16791220	16793141 +	2	619	5.11
LOC_Os03g57569.1	expressed protein	Chr3	32826350	32828545 -	1	2228	5.11
LOC_Os08g41850.1	expressed protein	Chr8	26430703	26432939 -	3	987	5.11
LOC_Os10g35940.1	folylpolyglutamate synthetase, putative, expressed	Chr10	19201521	19206783 -	15	2612	5.11
LOC_Os10g39930.1	cytochrome P450 97B2, putative, expressed	Chr10	21368384	21373100 +	10	2195	5.11
LOC_Os03g40180.2	60S ribosomal protein L15, putative, expressed	Chr3	22336536	22338317 -	3	1241	5.11
LOC_Os03g40180.1	60S ribosomal protein L15, putative, expressed	Chr3	22336536	22338324 -	4	1170	5.11
LOC_Os04g58055.1	expressed protein	Chr4	34579362	34579978 -	1	649	5.11
LOC_Os01g15120.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr1	8486472	8489700 +	3	1448	5.11
LOC_Os09g02300.1	expressed protein	Chr9	937054	938291 -	1	1270	5.11
LOC_Os07g02950.1	expressed protein	Chr7	1096376	1101697 -	11	3019	5.11
LOC_Os03g03570.2	leucine-rich repeat transmembrane protein kinase, putative, expressed	Chr3	1562044	1566906 +	3	4476	5.11
LOC_Os09g25865.1	expressed protein	Chr9	15502457	15508094 +	6	1550	5.11
LOC_Os11g32480.1	TPR repeat region family protein, expressed	Chr11	19172888	19174968 +	4	1029	5.11
LOC_Os03g54890.1	ribosomal protein L13, putative, expressed	Chr3	31203316	31205407 +	4	1194	5.11
LOC_Os01g09670.1	pollen-specific protein SF21, putative, expressed	Chr1	4982142	4985143 -	11	1872	5.11
LOC_Os02g09590.1	ribosome, putative, expressed	Chr2	4936410	4937806 -	2	912	5.11
LOC_Os03g54890.3	ribosomal protein L13, putative, expressed	Chr3	31203316	31205407 +	3	1260	5.11
LOC_Os02g02770.1	PPR repeat domain containing protein, putative, expressed	Chr2	1047595	1050120 -	2	2490	5.11
LOC_Os04g47912.1	expressed protein	Chr4	28489410	28494426 -	4	3991	5.11
LOC_Os04g47912.2	expressed protein	Chr4	28489410	28494426 -	4	3999	5.11
LOC_Os08g16610.1	Rad21 / Rec8 like protein, putative, expressed	Chr8	10160231	10165699 +	11	3208	5.12
LOC_Os02g46460.1	peptide transporter PTR2, putative, expressed	Chr2	28312589	28316198 -	5	2507	5.12
LOC_Os02g46460.2	peptide transporter PTR2, putative, expressed	Chr2	28312589	28316198 -	4	2673	5.12
LOC_Os01g32864.1	retrotransposon protein, putative, unclassified, expressed	Chr1	18033722	18036566 -	4	961	5.12
LOC_Os08g23320.1	para-hydroxybenzoate--polyprenyltransferase, mitochondrial precursor, putative, expressed	Chr8	14078934	14082484 -	9	2576	5.12
LOC_Os01g42620.1	pentatricopeptide containing protein, putative, expressed	Chr1	24239930	24245230 -	4	3705	5.12
LOC_Os05g49650.1	expressed protein	Chr5	28480921	28482905 -	3	825	5.12
LOC_Os06g27790.1	pentatricopeptide, putative, expressed	Chr6	15733745	15737718 +	3	2907	5.12
LOC_Os10g04770.1	expressed protein	Chr10	2289182	2292768 -	3	1068	5.12
LOC_Os03g52940.1	expressed protein	Chr3	30368953	30369800 +	1	880	5.12
LOC_Os01g64300.1	DUF584 domain containing protein, putative, expressed	Chr1	37323884	37324908 +	1	1057	5.12
LOC_Os01g55020.4	expressed protein	Chr1	31635565	31638417 +	3	980	5.12
LOC_Os07g08460.1	OslAA24 - Auxin-responsive Aux/IAA gene family member, expressed	Chr7	4355211	4356575 -	3	1262	5.12
LOC_Os07g08460.2	OslAA24 - Auxin-responsive Aux/IAA gene family member, expressed	Chr7	4355211	4356575 -	2	1342	5.12
LOC_Os06g10750.1	integral membrane protein DUF6 containing protein, expressed	Chr6	5613999	5617153 +	5	1934	5.12

LOC_Os02g38020.2	inorganic phosphate transporter 2-1, chloroplast precursor, putative, expressed	Chr2	22971563	22975296 +	3	2516	5.12
LOC_Os02g38020.1	inorganic phosphate transporter 2-1, chloroplast precursor, putative, expressed	Chr2	22971563	22975296 +	3	2705	5.12
LOC_Os09g35980.2	expressed protein	Chr9	20731589	20734728 -	4	2768	5.12
LOC_Os03g29184.1	expressed protein	Chr3	16586519	16587292 -	1	806	5.12
LOC_Os03g51550.3	WD repeat-containing protein 5, putative, expressed	Chr3	29486017	29490549 +	3	1556	5.12
LOC_Os07g02350.1	casein kinase II subunit alpha-2, putative, expressed	Chr7	799478	805187 -	10	1952	5.13
LOC_Os03g11380.1	SNARE domain containing protein, putative, expressed	Chr3	5860717	5863894 +	6	1518	5.13
LOC_Os06g47900.2	expressed protein	Chr6	28977492	28978790 +	3	1005	5.13
LOC_Os02g45250.1	homeobox and START domains containing protein, putative, expressed	Chr2	27487865	27494914 -	9	3725	5.13
LOC_Os06g50350.1	expressed protein	Chr6	30479410	30480798 +	2	682	5.13
LOC_Os12g37640.3	xaa-Pro aminopeptidase, putative, expressed	Chr12	23106121	23111532 +	12	2456	5.13
LOC_Os12g37640.1	xaa-Pro aminopeptidase, putative, expressed	Chr12	23106121	23111532 +	13	2403	5.13
LOC_Os12g37640.4	xaa-Pro aminopeptidase, putative, expressed	Chr12	23106121	23111532 +	13	2375	5.13
LOC_Os09g14510.3	peroxin-3 family protein, putative, expressed	Chr9	8585970	8589949 +	6	1989	5.13
LOC_Os09g14510.1	peroxin-3 family protein, putative, expressed	Chr9	8585970	8589949 +	7	1918	5.13
LOC_Os09g14510.2	peroxin-3 family protein, putative, expressed	Chr9	8586239	8589949 +	6	1754	5.13
LOC_Os12g31450.1	plastid division regulator MinE, putative, expressed	Chr12	18913254	18915691 -	2	1143	5.13
LOC_Os03g30920.1	OsFBX95 - F-box domain containing protein, expressed	Chr3	17611344	17613660 +	2	1308	5.13
LOC_Os03g13750.2	erwinia induced protein 2, putative, expressed	Chr3	7446001	7449611 -	4	932	5.13
LOC_Os02g37856.1	expressed protein	Chr2	22872113	22880241 -	19	2692	5.13
LOC_Os05g36184.1	expressed protein	Chr5	21451508	21455835 -	3	813	5.13
LOC_Os12g13660.1	expressed protein	Chr12	7678707	7686107 -	7	4620	5.13
LOC_Os01g34060.1	MYB family transcription factor, putative, expressed	Chr1	18755268	18756900 +	2	1576	5.13
LOC_Os05g33514.2	expressed protein	Chr5	19684770	19686823 -	4	741	5.13
LOC_Os04g01590.1	arginase, putative, expressed	Chr4	396481	400947 +	6	1801	5.13
LOC_Os01g52864.3	transmembrane protein, putative, expressed	Chr1	30398944	30405920 +	6	1994	5.13
LOC_Os07g15680.1	phospholipase D, putative, expressed	Chr7	9105495	9112919 -	12	3662	5.13
LOC_Os10g21360.1	N-dimethylguanosine tRNA methyltransferase, putative, expressed	Chr10	10932181	10939475 +	13	2738	5.13
LOC_Os06g45050.1	clathrin assembly protein, putative, expressed	Chr6	27257457	27261082 +	14	2044	5.14
LOC_Os10g05530.3	OsFBX372 - F-box domain containing protein, expressed	Chr10	2737043	2741865 -	3	1782	5.14
LOC_Os10g05530.2	OsFBX372 - F-box domain containing protein, expressed	Chr10	2737043	2741865 -	3	1794	5.14
LOC_Os07g28790.1	PAP fibrillin family domain containing protein, expressed	Chr7	16857192	16862643 +	11	1879	5.14
LOC_Os05g49920.1	pentatricopeptide, putative, expressed	Chr5	28633062	28635805 +	1	2776	5.14
LOC_Os03g18130.2	asparagine synthetase, putative, expressed	Chr3	10119873	10123725 -	12	2885	5.14
LOC_Os12g03816.1	OsCML3 - Calmodulin-related calcium sensor protein, expressed	Chr12	1559859	1561568 -	3	1477	5.14
LOC_Os05g11260.2	expressed protein	Chr5	6358099	6362407 -	15	2495	5.14
LOC_Os05g44916.1	mitochondrial-processing peptidase subunit, mitochondrial precursor, putative, expressed	Chr5	26101219	26106271 +	13	2441	5.14
LOC_Os10g21360.2	N-dimethylguanosine tRNA methyltransferase, putative, expressed	Chr10	10932181	10939475 +	12	2788	5.14
LOC_Os05g08970.1	SSRP1-like FACT complex subunit, putative, expressed	Chr5	4965425	4971029 +	16	2997	5.14
LOC_Os01g54240.1	nucleoporin, putative, expressed	Chr1	31203443	31211275 +	18	3242	5.15
LOC_Os03g17690.2	OsAPx1 - Cytosolic Ascorbate Peroxidase encoding gene 1-8, expressed	Chr3	9843327	9846747 +	8	1510	5.15
LOC_Os03g17690.1	OsAPx1 - Cytosolic Ascorbate Peroxidase encoding gene 1-8, expressed	Chr3	9843327	9846747 +	9	1447	5.15
LOC_Os03g11380.2	SNARE domain containing protein, putative, expressed	Chr3	5860717	5863894 +	6	1807	5.15
LOC_Os06g39040.1	dehydrogenase/reductase SDR family member 12, putative, expressed	Chr6	23181234	23184507 +	10	1747	5.15
LOC_Os04g46050.3	Alg9-like mannosyltransferase protein, putative, expressed	Chr4	27275215	27282769 -	21	2808	5.15

LOC_Os04g46050.2	Alg9-like mannosyltransferase protein, putative, expressed	Chr4	27275215	27282769 -	21	2817	5.15
LOC_Os06g42540.2	expressed protein	Chr6	25583151	25585089 +	3	1759	5.15
LOC_Os02g58580.5	cation efflux family protein, putative, expressed	Chr2	35810519	35812446 +	7	1318	5.15
LOC_Os07g27960.1	thioesterase family protein, putative, expressed	Chr7	16306862	16309642 -	3	1567	5.15
LOC_Os01g46500.4	OsFBX21 - F-box domain containing protein, expressed	Chr1	26449051	26452875 +	3	2262	5.15
LOC_Os10g33800.3	lactate/malate dehydrogenase, putative, expressed	Chr10	17913818	17917850 +	6	1775	5.15
LOC_Os01g62420.3	triosephosphate isomerase, cytosolic, putative, expressed	Chr1	36129310	36131617 +	6	1045	5.15
LOC_Os10g33800.1	lactate/malate dehydrogenase, putative, expressed	Chr10	17913818	17917850 +	7	1712	5.15
LOC_Os10g33800.2	lactate/malate dehydrogenase, putative, expressed	Chr10	17913818	17917848 +	6	1804	5.15
LOC_Os01g48920.1	beclin-1, putative, expressed	Chr1	28070679	28076428 -	10	2474	5.15
LOC_Os01g64090.1	L1P family of ribosomal proteins domain containing protein, expressed	Chr1	37231748	37234375 +	6	909	5.16
LOC_Os05g34550.1	MLO domain containing protein, putative, expressed	Chr5	20484912	20490183 -	13	2534	5.16
LOC_Os05g34550.2	MLO domain containing protein, putative, expressed	Chr5	20484912	20490183 -	13	2542	5.16
LOC_Os02g54060.1	chaperonin, putative, expressed	Chr2	33114780	33117303 -	5	1272	5.16
LOC_Os05g44916.2	mitochondrial-processing peptidase subunit, mitochondrial precursor, putative, expressed	Chr5	26101976	26106425 +	12	2611	5.16
LOC_Os05g20520.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr5	12045112	12047043 -	3	966	5.16
LOC_Os04g57230.2	regulatory protein RecX family protein, putative, expressed	Chr4	34091668	34095411 +	7	1878	5.16
LOC_Os04g57230.1	regulatory protein RecX family protein, putative, expressed	Chr4	34091609	34095419 +	7	1948	5.16
LOC_Os04g01990.1	pentatricopeptide domain containing protein, putative, expressed	Chr4	613779	616346 -	1	2600	5.16
LOC_Os01g59570.1	senescence-induced receptor-like serine/threonine-protein kinase precursor, putative, expressed	Chr1	34445743	34454439 -	12	3555	5.16
LOC_Os06g03514.2	expressed protein	Chr6	1354174	1359048 +	2	633	5.16
LOC_Os07g25430.1	photosystem I reaction center subunit IV A, chloroplast precursor, putative, expressed	Chr7	14533304	14534386 +	3	939	5.16
LOC_Os12g20310.2	sarcoma antigen NY-SAR-91, putative, expressed	Chr12	11862854	11865895 +	5	1127	5.16
LOC_Os04g49440.1	RNA recognition motif containing protein, putative, expressed	Chr4	29499367	29500598 +	3	1035	5.16
LOC_Os02g02490.1	phytosulfokine receptor precursor, putative, expressed	Chr2	884018	888245 +	1	4260	5.17
LOC_Os08g23140.1	expressed protein	Chr8	13943831	13950707 +	12	1659	5.17
LOC_Os05g33600.1	cytochrome P450 72A1, putative, expressed	Chr5	19756222	19758913 -	4	2046	5.17
LOC_Os07g14310.1	expressed protein	Chr7	8160534	8165041 -	6	2014	5.17
LOC_Os12g32470.1	expressed protein	Chr12	19596995	19602217 +	8	2249	5.17
LOC_Os02g51080.1	FAD binding domain containing protein, expressed	Chr2	31246225	31248818 +	3	1941	5.17
LOC_Os04g48050.1	RING zinc finger protein, putative, expressed	Chr4	28591949	28595747 -	5	1925	5.17
LOC_Os11g10480.1	dehydrogenase, putative, expressed	Chr11	5712641	5716288 -	10	2217	5.17
LOC_Os07g12330.3	tryptophan/tyrosine permease family protein, putative, expressed	Chr7	6954563	6958006 +	2	2034	5.17
LOC_Os07g23110.1	poly synthetase 1, putative, expressed	Chr7	13026440	13037161 +	20	3976	5.17
LOC_Os11g11950.1	disease resistance protein RPM1, putative, expressed	Chr11	6631958	6634662 -	3	2421	5.17
LOC_Os04g49954.1	expressed protein	Chr4	29798220	29801756 +	2	754	5.17
LOC_Os07g37760.2	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed	Chr7	22648343	22654350 -	15	2114	5.17
LOC_Os04g49610.2	expressed protein	Chr4	29583835	29585675 -	5	1191	5.17
LOC_Os09g24640.1	pentatricopeptide, putative, expressed	Chr9	14666229	14667809 +	1	1613	5.17
LOC_Os06g02100.1	OsFBX181 - F-box domain containing protein, expressed	Chr6	623462	626095 -	2	1804	5.17
LOC_Os03g31180.2	diacylglycerol kinase 1, putative, expressed	Chr3	17754817	17761094 +	7	3833	5.18
LOC_Os06g05250.1	GTP-binding protein GUF1, putative, expressed	Chr6	2366602	2372121 -	12	2964	5.18
LOC_Os01g68240.1	expressed protein	Chr1	39657943	39660633 +	3	546	5.18
LOC_Os09g25570.1	aspartic proteinase, putative, expressed	Chr9	15344637	15347123 +	2	1961	5.18
LOC_Os01g65440.1	universal stress protein domain containing protein, putative, expressed	Chr1	37982849	37985710 +	3	1179	5.18

LOC_Os01g57410.1	pentatricopeptide repeat domain containing protein, putative, expressed	Chr1	33182589	33186141 +	3	2696	5.18
LOC_Os12g37740.1	resistance protein LR10, putative, expressed	Chr12	23167074	23171951 -	3	3519	5.18
LOC_Os01g33764.1	expressed protein	Chr1	18587725	18588823 -	3	561	5.18
LOC_Os02g57870.1	expressed protein	Chr2	35433662	35435868 -	4	1879	5.18
LOC_Os01g70300.1	aspartokinase 3, chloroplast precursor, putative, expressed	Chr1	40708640	40712960 -	13	2471	5.18
LOC_Os09g39474.1	expressed protein	Chr9	22688076	22689610 +	3	893	5.18
LOC_Os11g10400.1	OsFBX419 - F-box domain containing protein, expressed	Chr11	5645601	5648416 -	4	2000	5.18
LOC_Os01g57440.1	DNA repair metallo-beta-lactamase, putative, expressed	Chr1	33195328	33197885 -	4	1478	5.18
LOC_Os09g38690.2	transporter family protein, putative, expressed	Chr9	22239399	22243494 +	6	2039	5.19
LOC_Os03g36480.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr3	20204904	20206947 -	3	1224	5.19
LOC_Os07g30150.1	phosphoribosyl transferase, putative, expressed	Chr7	17787745	17801445 -	6	1372	5.19
LOC_Os12g43840.1	ankyrin repeat domain-containing protein, putative, expressed	Chr12	27213496	27219059 -	12	2227	5.19
LOC_Os05g49040.1	expressed protein	Chr5	28122980	28124806 +	4	1644	5.19
LOC_Os11g13420.3	RNA binding protein, putative, expressed	Chr11	7346265	7348297 -	6	1248	5.19
LOC_Os07g37760.1	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed	Chr7	22648343	22654350 -	16	2246	5.19
LOC_Os06g36150.1	retrotransposon, putative, centromere-specific, expressed	Chr6	21157841	21158453 +	1	645	5.19
LOC_Os08g09920.2	OsFBX277 - F-box domain containing protein, expressed	Chr8	5728025	5729689 +	1	1697	5.19
LOC_Os08g41500.1	ubiquitin-associated protein, putative, expressed	Chr8	26214402	26219244 +	12	1732	5.19
LOC_Os09g38690.4	transporter family protein, putative, expressed	Chr9	22239440	22243486 +	6	2068	5.19
LOC_Os09g38690.3	transporter family protein, putative, expressed	Chr9	22239440	22243494 +	6	2057	5.19
LOC_Os09g38690.1	transporter family protein, putative, expressed	Chr9	22239440	22243494 +	6	2053	5.19
LOC_Os02g02590.1	PPR repeat domain containing protein, putative, expressed	Chr2	938314	941308 -	2	2003	5.19
LOC_Os04g44710.2	double-stranded RNA binding motif containing protein, expressed	Chr4	26484115	26494586 +	18	4129	5.19
LOC_Os01g70300.2	aspartokinase 3, chloroplast precursor, putative, expressed	Chr1	40708640	40712960 -	12	2524	5.19
LOC_Os09g30210.1	expressed protein	Chr9	18387472	18391685 +	3	2201	5.20
LOC_Os03g55330.1	ankyrin repeat domain containing protein, putative, expressed	Chr3	31476238	31480062 -	2	1559	5.20
LOC_Os05g23960.1	pentatricopeptide, putative, expressed	Chr5	13795200	13798252 -	3	2655	5.20
LOC_Os07g39980.1	GA22009-PA, putative, expressed	Chr7	23985274	23989956 +	7	1759	5.20
LOC_Os06g02120.2	PPR repeat domain containing protein, putative, expressed	Chr6	631190	633783 -	3	2403	5.20
LOC_Os06g03514.1	expressed protein	Chr6	1356118	1359046 +	2	658	5.20
LOC_Os12g02790.1	expressed protein	Chr12	986410	987157 +	1	780	5.20
LOC_Os01g50930.2	expressed protein	Chr1	29240064	29246877 -	3	943	5.20
LOC_Os10g40060.4	protein kinase, putative, expressed	Chr10	21454034	21459741 -	8	2640	5.20
LOC_Os12g43840.2	ankyrin repeat domain-containing protein, putative, expressed	Chr12	27213378	27219059 -	13	2292	5.20
LOC_Os04g57020.1	expressed protein	Chr4	33986389	33989932 +	8	1934	5.20
LOC_Os04g57020.3	expressed protein	Chr4	33986389	33989932 +	7	2020	5.20
LOC_Os02g57080.2	serine/threonine-protein kinase, putative, expressed	Chr2	34944973	34952003 -	8	2997	5.20
LOC_Os04g57020.2	expressed protein	Chr4	33986389	33989694 +	7	1764	5.20
LOC_Os12g41210.1	tesmin/TSO1-like CXC domain containing protein, expressed	Chr12	25553542	25557389 -	6	1669	5.20
LOC_Os04g45960.1	OsSub42 - Putative Subtilisin homologue, expressed	Chr4	27222615	27226399 +	8	3225	5.20
LOC_Os05g19974.1	endonuclease/exonuclease/phosphatase family protein, putative, expressed	Chr5	11671479	11681136 +	7	1736	5.20
LOC_Os05g44590.3	ATP-dependent protease La, putative, expressed	Chr5	25942435	25947920 +	10	2437	5.21
LOC_Os05g44590.4	ATP-dependent protease La, putative, expressed	Chr5	25942431	25947920 +	10	2353	5.21
LOC_Os01g05670.1	3-oxo-5-alpha-steroid 4-dehydrogenase, putative, expressed	Chr1	2707498	2711428 -	4	1571	5.21
LOC_Os11g20689.1	exosome complex exonuclease, putative, expressed	Chr11	11980473	11988054 +	7	1543	5.21

LOC_Os06g05640.1	expressed protein	Chr6	2551069	2554991 -	5	2014	5.21
LOC_Os10g40060.1	protein kinase, putative, expressed	Chr10	21454034	21459779 -	8	2718	5.21
LOC_Os01g72090.1	phycoerythrobilin ferredoxin oxidoreductase, putative, expressed	Chr1	41822269	41825087 -	8	1475	5.21
LOC_Os05g19974.2	endonuclease/exonuclease/phosphatase family protein, putative, expressed	Chr5	11671479	11681136 +	7	1736	5.21
LOC_Os03g13560.1	hydroxyproline-rich glycoprotein family protein, putative, expressed	Chr3	7329103	7335053 -	8	3104	5.21
LOC_Os04g44710.1	double-stranded RNA binding motif containing protein, expressed	Chr4	26484115	26494586 +	17	4212	5.21
LOC_Os04g32310.1	serine/threonine-protein kinase NAK, putative, expressed	Chr4	19365855	19371154 +	5	2237	5.21
LOC_Os02g02810.1	expressed protein	Chr2	1069017	1072090 -	7	1394	5.21
LOC_Os01g59340.3	dihydropyrimidinase, putative, expressed	Chr1	34295651	34307049 +	17	3446	5.21
LOC_Os01g68030.1	expressed protein	Chr1	39549164	39550832 -	2	535	5.21
LOC_Os05g44380.1	MPPN domain containing protein, expressed	Chr5	25820352	25822805 -	3	1789	5.21
LOC_Os04g33470.1	Ser/Thr protein phosphatase family protein, putative, expressed	Chr4	20245221	20249961 -	4	1488	5.21
LOC_Os04g58690.3	tRNA-specific adenosine deaminase 1, putative, expressed	Chr4	34892934	34895949 +	8	1806	5.21
LOC_Os02g26300.1	expressed protein	Chr2	15447211	15451795 +	4	2651	5.21
LOC_Os02g04330.2	5-AMP-activated protein kinase beta-1 subunit-related, putative, expressed	Chr2	1908973	1912809 +	10	1670	5.21
LOC_Os05g44590.2	ATP-dependent protease La, putative, expressed	Chr5	25942431	25947920 +	10	2453	5.22
LOC_Os08g12740.2	disease resistance protein RGA3, putative, expressed	Chr8	7545583	7551989 -	3	3159	5.22
LOC_Os04g33760.1	DUF584 domain containing protein, putative, expressed	Chr4	20443290	20444654 +	1	1397	5.22
LOC_Os01g56510.2	periplasmic beta-glucosidase precursor, putative, expressed	Chr1	32580710	32586143 -	12	3059	5.22
LOC_Os01g56510.5	periplasmic beta-glucosidase precursor, putative, expressed	Chr1	32580710	32586143 -	11	2936	5.22
LOC_Os01g56510.3	periplasmic beta-glucosidase precursor, putative, expressed	Chr1	32580710	32586143 -	11	2926	5.22
LOC_Os01g56510.4	periplasmic beta-glucosidase precursor, putative, expressed	Chr1	32580710	32586143 -	11	2890	5.22
LOC_Os03g63300.1	NLI interacting factor-like phosphatase, putative, expressed	Chr3	35772622	35777460 -	7	2249	5.22
LOC_Os01g72090.2	phycoerythrobilin ferredoxin oxidoreductase, putative, expressed	Chr1	41822269	41825087 -	7	1528	5.22
LOC_Os02g51540.1	eukaryotic aspartyl protease domain containing protein, expressed	Chr2	31564796	31571963 +	10	3779	5.22
LOC_Os12g04590.2	zinc finger, C3HC4 type domain containing protein, expressed	Chr12	1938983	1941122 -	3	1687	5.22
LOC_Os09g32250.2	DNA repair ATPase-related, putative, expressed	Chr9	19244915	19249815 +	14	2158	5.22
LOC_Os01g34930.1	callose synthase, putative, expressed	Chr1	19303350	19306036 -	5	2126	5.22
LOC_Os11g04990.1	expressed protein	Chr11	2145222	2148114 +	7	1225	5.22
LOC_Os12g04940.1	splicing factor, putative, expressed	Chr12	2128576	2135182 -	10	1931	5.22
LOC_Os02g38410.1	ubiquitin family protein, putative, expressed	Chr2	23228772	23230852 +	2	1083	5.22
LOC_Os02g57080.1	serine/threonine-protein kinase, putative, expressed	Chr2	34944973	34952009 -	8	3465	5.22
LOC_Os05g03200.1	expressed protein	Chr5	1295616	1298612 -	7	1600	5.23
LOC_Os06g49450.2	expressed protein	Chr6	29961036	29967295 +	13	2027	5.23
LOC_Os06g49450.1	expressed protein	Chr6	29961036	29967295 +	13	2033	5.23
LOC_Os01g66440.1	expressed protein	Chr1	38574115	38580107 +	7	1265	5.23
LOC_Os06g14470.1	RNA recognition motif containing protein, putative, expressed	Chr6	8129423	8134491 -	7	1665	5.23
LOC_Os01g72350.2	amidohydrolase, putative, expressed	Chr1	41964126	41970144 +	16	2890	5.23
LOC_Os08g12780.1	chloroplast envelope membrane protein, putative, expressed	Chr8	7568532	7574295 -	10	2332	5.23
LOC_Os04g58690.2	tRNA-specific adenosine deaminase 1, putative, expressed	Chr4	34892934	34895949 +	8	1876	5.23
LOC_Os04g58690.6	tRNA-specific adenosine deaminase 1, putative, expressed	Chr4	34892934	34895965 +	8	1953	5.23
LOC_Os04g58690.5	tRNA-specific adenosine deaminase 1, putative, expressed	Chr4	34892934	34895949 +	6	2021	5.23
LOC_Os02g57870.2	expressed protein	Chr2	35433595	35435847 -	3	1969	5.23
LOC_Os02g04330.1	5-AMP-activated protein kinase beta-1 subunit-related, putative, expressed	Chr2	1908981	1912809 +	9	1723	5.23
LOC_Os06g38980.1	polyadenylate-binding protein, putative, expressed	Chr6	23135703	23141103 -	7	3345	5.23

LOC_Os03g56670.2	photosystem I reaction center subunit III, chloroplast precursor, putative, expressed	Chr3	32272930	32274174 -	2	1197	5.23
LOC_Os03g56670.1	photosystem I reaction center subunit III, chloroplast precursor, putative, expressed	Chr3	32272930	32274174 -	2	1202	5.23
LOC_Os08g01120.1	sulfate transporter, putative, expressed	Chr8	86335	88510 +	1	2208	5.23
LOC_Os12g41830.1	Methyltransferase small domain containing protein, expressed	Chr12	25911188	25914643 -	4	1804	5.23
LOC_Os07g12330.1	tryptophan/tyrosine permease family protein, putative, expressed	Chr7	6953280	6959635 +	5	3011	5.23
LOC_Os04g58030.1	expressed protein	Chr4	34564384	34566060 -	3	1573	5.23
LOC_Os09g34120.1	expressed protein	Chr9	20145579	20146567 +	2	968	5.23
LOC_Os02g01350.1	expressed protein	Chr2	187478	192123 -	6	2655	5.23
LOC_Os06g51400.3	expressed protein	Chr6	31132833	31136051 +	6	1620	5.23
LOC_Os01g72350.1	amidohydrolase, putative, expressed	Chr1	41964126	41970144 +	16	2930	5.24
LOC_Os06g45820.3	OsFtsH2 FtsH protease, homologue of AtFtsH2/8, expressed	Chr6	27724577	27728259 -	5	2551	5.24
LOC_Os07g19070.1	prefoldin, putative, expressed	Chr7	11287871	11292049 -	3	1340	5.24
LOC_Os08g12740.1	disease resistance protein RGA3, putative, expressed	Chr8	7539941	7551975 -	5	3424	5.24
LOC_Os08g30370.1	expressed protein	Chr8	18685902	18686547 -	1	678	5.24
LOC_Os10g33700.2	PPR repeat containing protein, expressed	Chr10	17773192	17776920 -	3	2822	5.24
LOC_Os10g33700.1	PPR repeat containing protein, expressed	Chr10	17773192	17776920 -	2	2866	5.24
LOC_Os08g33540.2	ATP-dependent Clp protease adaptor protein ClpS containing protein, expressed	Chr8	20945056	20947376 -	3	928	5.24
LOC_Os08g05710.1	ABC transporter, ATP-binding protein, putative, expressed	Chr8	3061866	3067858 +	10	4049	5.24
LOC_Os07g05190.1	leucine-rich repeat family protein, putative, expressed	Chr7	2313396	2319009 -	4	4258	5.24
LOC_Os06g01810.1	expressed protein	Chr6	465680	468425 -	5	1428	5.24
LOC_Os05g47830.1	expressed protein	Chr5	27417896	27419073 +	3	1091	5.24
LOC_Os11g03780.1	alpha-N-arabinofuranosidase, putative, expressed	Chr11	1484073	1492358 +	18	3591	5.24
LOC_Os01g15490.3	phosphoadenosine phosphosulfate, putative, expressed	Chr1	8702510	8708630 -	13	2413	5.24
LOC_Os04g52850.1	OTU-like cysteine protease family protein, putative, expressed	Chr4	31474374	31477433 +	2	1512	5.24
LOC_Os06g14530.1	expressed protein	Chr6	8176676	8177827 +	2	1120	5.24
LOC_Os03g24890.2	RNA recognition motif containing protein, putative, expressed	Chr3	14176397	14179394 +	5	1117	5.24
LOC_Os01g10830.1	carnitine racemase like protein, putative, expressed	Chr1	5773300	5774192 +	1	925	5.24
LOC_Os09g02360.1	cyclin, putative, expressed	Chr9	969662	971670 -	3	1931	5.24
LOC_Os09g23084.1	endoglucanase, putative, expressed	Chr9	13631678	13640847 -	3	2376	5.25
LOC_Os06g45820.2	OsFtsH2 FtsH protease, homologue of AtFtsH2/8, expressed	Chr6	27724565	27728316 -	6	2309	5.25
LOC_Os01g52730.1	DUF584 domain containing protein, putative, expressed	Chr1	30322749	30325085 -	1	2369	5.25
LOC_Os02g51100.1	arsenical pump-driving ATPase, putative, expressed	Chr2	31252558	31255964 -	10	2021	5.25
LOC_Os02g03720.1	expressed protein	Chr2	1560693	1563343 +	7	1608	5.25
LOC_Os04g47670.2	expressed protein	Chr4	28284070	28285205 +	3	885	5.25
LOC_Os09g24490.1	basic helix-loop-helix family protein, putative, expressed	Chr9	14583473	14586345 -	2	1653	5.25
LOC_Os07g46490.1	phosphatidylinositol-4-phosphate 5-kinase, putative, expressed	Chr7	27752721	27757305 -	8	3463	5.25
LOC_Os03g02450.2	pyridoxamine 5%27-phosphate oxidase family protein, putative, expressed	Chr3	878838	880702 +	7	1147	5.25
LOC_Os08g06885.1	expressed protein	Chr8	3844468	3845152 +	1	717	5.25
LOC_Os02g07210.1	OTU-like cysteine protease family protein, putative, expressed	Chr2	3705886	3709904 -	10	1425	5.25
LOC_Os02g07210.2	OTU-like cysteine protease family protein, putative, expressed	Chr2	3705886	3709904 -	10	1453	5.25
LOC_Os02g07210.3	OTU-like cysteine protease family protein, putative, expressed	Chr2	3705886	3709904 -	10	1454	5.25
LOC_Os02g07210.4	OTU-like cysteine protease family protein, putative, expressed	Chr2	3705886	3709904 -	10	1482	5.25
LOC_Os08g42290.1	expressed protein	Chr8	26696844	26699355 +	5	996	5.25
LOC_Os06g03200.1	expressed protein	Chr6	1206453	1208951 -	6	693	5.25
LOC_Os02g45770.1	OsMADS6 - MADS-box family gene with MIKCC type-box, expressed	Chr2	27875979	27884079 +	8	1522	5.25

LOC_Os04g39100.1	peroxidase precursor, putative, expressed	Chr4	23235806	23237196 -	1	1423	5.25
LOC_Os02g05600.1	expressed protein	Chr2	2722136	2725218 +	4	1842	5.25
LOC_Os02g14290.2	scramblase, putative, expressed	Chr2	7845989	7852177 -	10	1388	5.25
LOC_Os02g40900.1	RNA recognition motif containing protein, putative, expressed	Chr2	24783195	24786565 -	6	1459	5.25
LOC_Os08g10620.1	expressed protein	Chr8	6255910	6258099 +	3	705	5.25
LOC_Os06g15550.1	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr6	8821962	8823143 +	1	1214	5.25
LOC_Os08g27580.4	expressed protein	Chr8	16811699	16814094 +	4	1592	5.25
LOC_Os01g24940.1	poly synthetase 2-A, putative, expressed	Chr1	14047801	14054910 +	18	2902	5.25
LOC_Os12g35630.1	elongation factor TS family protein, expressed	Chr12	21660651	21666897 +	4	4640	5.25
LOC_Os02g55920.1	expressed protein	Chr2	34229961	34231496 -	1	1568	5.25
LOC_Os06g45820.4	OsFtsH2 FtsH protease, homologue of AtFtsH2/8, expressed	Chr6	27724577	27728259 -	5	2621	5.25
LOC_Os06g45820.1	OsFtsH2 FtsH protease, homologue of AtFtsH2/8, expressed	Chr6	27724565	27728316 -	5	2694	5.25
LOC_Os03g13750.1	erwinia induced protein 2, putative, expressed	Chr3	7445990	7449611 -	5	1071	5.25
LOC_Os04g47130.1	expressed protein	Chr4	27990856	27992387 -	2	959	5.25
LOC_Os11g24630.1	magnesium-dependent phosphatase 1, putative, expressed	Chr11	14048521	14052484 -	4	1031	5.25
LOC_Os04g49130.1	ubiquitin-conjugating enzyme, putative, expressed	Chr4	29289184	29292229 -	5	1074	5.25
LOC_Os04g49130.2	ubiquitin-conjugating enzyme, putative, expressed	Chr4	29289185	29292229 -	5	1114	5.25
LOC_Os10g06610.1	expressed protein	Chr10	3424100	3432510 +	7	3184	5.26
LOC_Os08g09950.2	acyl-desaturase, chloroplast precursor, putative, expressed	Chr8	5751422	5753747 -	2	2075	5.26
LOC_Os09g35980.1	expressed protein	Chr9	20731589	20734724 -	2	3033	5.26
LOC_Os08g38740.1	glycosyl transferase 8 domain containing protein, putative, expressed	Chr8	24495188	24499079 +	9	2784	5.26
LOC_Os09g06560.1	WD domain, G-beta repeat domain containing protein, expressed	Chr9	3118920	3125244 +	12	4682	5.26
LOC_Os02g22290.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr2	13318073	13323010 +	3	1074	5.26
LOC_Os09g15340.1	hydrolase, NUDIX family, domain containing protein, expressed	Chr9	9379745	9383838 -	9	1724	5.26
LOC_Os08g02140.2	STIP1 homology and U box-containing protein 1, putative, expressed	Chr8	715589	720171 +	7	1517	5.26
LOC_Os09g37570.1	OsFBX340 - F-box domain containing protein, expressed	Chr9	21653048	21655333 +	3	1807	5.26
LOC_Os11g10434.1	expressed protein	Chr11	5680101	5684035 -	4	1853	5.26
LOC_Os08g12780.4	chloroplast envelope membrane protein, putative, expressed	Chr8	7568532	7573950 -	9	2506	5.26
LOC_Os12g14140.1	expressed protein	Chr12	8025152	8027413 +	1	2294	5.26
LOC_Os01g51890.1	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr1	29830122	29836238 +	10	3007	5.26
LOC_Os10g11022.1	expressed protein	Chr10	6098673	6099210 -	1	570	5.26
LOC_Os03g51550.1	WD repeat-containing protein 5, putative, expressed	Chr3	29486017	29490549 +	3	1507	5.26
LOC_Os01g02170.1	expressed protein	Chr1	635325	639309 -	1	4017	5.26
LOC_Os07g38930.5	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr7	23344858	23348726 +	5	2231	5.26
LOC_Os12g19530.1	ATP-binding region, ATPase-like domain-containing protein, putative, expressed	Chr12	11349808	11357236 +	10	2642	5.26
LOC_Os08g02140.3	STIP1 homology and U box-containing protein 1, putative, expressed	Chr8	715589	720189 +	6	1588	5.26
LOC_Os05g08010.1	OsFBX161 - F-box domain containing protein, expressed	Chr5	4329718	4331343 -	2	1609	5.26
LOC_Os02g44102.1	remorin C-terminal domain containing protein, putative, expressed	Chr2	26625020	26627870 -	6	1881	5.27
LOC_Os09g37710.1	NIN, putative, expressed	Chr9	21735440	21740633 +	5	3681	5.27
LOC_Os08g20420.1	MGD2, putative, expressed	Chr8	12266091	12269671 +	8	1752	5.27
LOC_Os05g43690.1	glucan endo-1,3-beta-glucosidase-like protein 3 precursor, putative, expressed	Chr5	25399241	25401867 +	3	1593	5.27
LOC_Os04g47270.1	amine oxidase, putative, expressed	Chr4	28067096	28070371 -	2	3014	5.27
LOC_Os02g14290.1	scramblase, putative, expressed	Chr2	7845554	7852177 -	11	1723	5.27
LOC_Os06g37440.1	elongation factor 1-gamma, putative, expressed	Chr6	22135546	22139442 -	8	2087	5.27
LOC_Os09g37710.2	NIN, putative, expressed	Chr9	21735485	21740632 +	6	3769	5.27

LOC_Os03g55920.1	hydrolase, acting on carbon-nitrogen, putative, expressed	Chr3	31840138	31844491 -	6	2250	5.27
LOC_Os11g40390.1	expressed protein	Chr11	24077702	24082156 -	2	4291	5.27
LOC_Os07g08050.1	expressed protein	Chr7	4077504	4085522 +	14	3797	5.27
LOC_Os04g20474.4	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed	Chr4	11450567	11455776 +	2	4149	5.27
LOC_Os08g03880.1	retrotransposon protein, putative, unclassified, expressed	Chr8	1848413	1853016 +	1	4636	5.27
LOC_Os03g43750.1	retrotransposon, putative, centromere-specific, expressed	Chr3	24466603	24473610 +	3	2909	5.27
LOC_Os07g14650.2	expressed protein	Chr7	8352084	8354955 +	3	1180	5.28
LOC_Os07g14650.1	expressed protein	Chr7	8352084	8354955 +	2	1048	5.28
LOC_Os06g02120.3	PPR repeat domain containing protein, putative, expressed	Chr6	630809	633783 -	5	2650	5.28
LOC_Os01g01970.2	expressed protein	Chr1	524579	528002 -	4	1217	5.28
LOC_Os01g01970.1	expressed protein	Chr1	524579	527952 -	4	1279	5.28
LOC_Os01g34610.2	expressed protein	Chr1	19079248	19082074 +	4	1419	5.28
LOC_Os01g55860.1	expressed protein	Chr1	32167881	32171343 +	7	1960	5.28
LOC_Os02g47180.2	WD repeat-containing protein, putative, expressed	Chr2	28802793	28805992 +	7	2821	5.28
LOC_Os02g47180.1	WD repeat-containing protein, putative, expressed	Chr2	28802793	28805992 +	7	2879	5.28
LOC_Os09g31380.1	jmjC domain-containing protein 5, putative, expressed	Chr9	18863285	18867497 -	7	1421	5.28
LOC_Os10g40700.1	expansin precursor, putative, expressed	Chr10	21830151	21831694 -	3	1364	5.28
LOC_Os12g31820.1	phosphoserine phosphatase, chloroplast precursor, putative, expressed	Chr12	19147384	19150955 -	8	1608	5.28
LOC_Os05g19380.1	pentatricopeptide, putative, expressed	Chr5	11253553	11256636 -	1	3116	5.28
LOC_Os11g12650.1	PHD-finger domain containing protein, putative, expressed	Chr11	7125124	7128857 -	5	2483	5.28
LOC_Os07g37230.1	inositol-1-monophosphatase, putative, expressed	Chr7	22309414	22313591 -	9	1864	5.28
LOC_Os03g01230.2	DNA-directed RNA polymerase II subunit RPB9, putative, expressed	Chr3	148181	149057 +	3	829	5.28
LOC_Os03g01230.1	DNA-directed RNA polymerase II subunit RPB9, putative, expressed	Chr3	148183	149057 +	2	861	5.28
LOC_Os03g31310.3	circadian clock coupling factor-related, putative, expressed	Chr3	17842093	17844363 -	3	1519	5.28
LOC_Os01g53450.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr1	30714010	30717688 +	11	2053	5.28
LOC_Os06g02200.1	pentatricopeptide, putative, expressed	Chr6	676126	678878 +	2	2706	5.28
LOC_Os08g27580.5	expressed protein	Chr8	16811699	16814183 +	3	1731	5.28
LOC_Os05g02040.1	RPA1C - Putative single-stranded DNA binding complex subunit 1, expressed	Chr5	593356	598068 +	2	3473	5.28
LOC_Os09g38100.1	phosphate carrier protein, mitochondrial precursor, putative, expressed	Chr9	21949091	21952517 -	6	1861	5.29
LOC_Os11g40200.1	expressed protein	Chr11	23976787	23979856 +	2	1409	5.29
LOC_Os02g38790.1	expressed protein	Chr2	23444066	23448837 -	6	1608	5.29
LOC_Os08g04810.1	serine esterase family protein, putative, expressed	Chr8	2412054	2418681 -	10	2088	5.29
LOC_Os08g05830.1	transaldolase, putative, expressed	Chr8	3128285	3132239 -	13	2117	5.29
LOC_Os02g47000.1	expressed protein	Chr2	28694688	28696453 -	3	959	5.29
LOC_Os07g10110.1	expressed protein	Chr7	5418766	5426572 -	7	3192	5.29
LOC_Os07g37250.1	THYLAKOID FORMATION1, chloroplast precursor, putative, expressed	Chr7	22319007	22323191 -	5	1507	5.29
LOC_Os07g42170.1	60S ribosomal protein, putative, expressed	Chr7	25236661	25237462 -	1	834	5.29
LOC_Os07g41080.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr7	24575162	24584259 -	15	2583	5.29
LOC_Os06g08110.1	nodulin, putative, expressed	Chr6	3934027	3937229 -	3	2220	5.29
LOC_Os03g60100.1	50S ribosomal protein L17, putative, expressed	Chr3	34174773	34176702 +	3	1070	5.29
LOC_Os06g47930.1	expressed protein	Chr6	28988077	28990335 -	3	1709	5.29
LOC_Os01g01380.1	expressed protein	Chr1	191036	196287 +	6	3674	5.29
LOC_Os01g02139.1	expressed protein	Chr1	624087	624613 +	1	559	5.29
LOC_Os12g19530.2	ATP-binding region, ATPase-like domain-containing protein, putative, expressed	Chr12	11349808	11357236 +	10	2727	5.29
LOC_Os03g36419.2	expressed protein	Chr3	20183314	20187928 -	6	1950	5.29

LOC_Os01g10250.2	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr1	5389733	5393868 -	6	2838	5.30
LOC_Os04g28040.1	expressed protein	Chr4	16553185	16559358 +	10	2667	5.30
LOC_Os10g22960.1	hydrolase protein, putative, expressed	Chr10	11947165	11951353 +	5	1730	5.30
LOC_Os10g22960.2	hydrolase protein, putative, expressed	Chr10	11947165	11951353 +	5	1734	5.30
LOC_Os12g04590.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr12	1939516	1941122 -	2	1558	5.30
LOC_Os02g10780.1	SPX domain containing protein, putative, expressed	Chr2	5706636	5709127 +	3	1391	5.30
LOC_Os06g37690.1	S-locus-like receptor protein kinase, putative, expressed	Chr6	22331486	22333906 +	1	2453	5.30
LOC_Os04g25560.1	OsSCP23 - Putative Serine Carboxypeptidase homologue, expressed	Chr4	14813270	14819280 -	15	2581	5.30
LOC_Os07g35610.1	kelch repeat-containing protein, putative, expressed	Chr7	21315434	21320392 -	11	2584	5.30
LOC_Os04g25560.2	OsSCP23 - Putative Serine Carboxypeptidase homologue, expressed	Chr4	14813274	14819280 -	14	2786	5.30
LOC_Os04g32600.1	expressed protein	Chr4	19627290	19629858 +	4	885	5.30
LOC_Os07g05700.1	expressed protein	Chr7	2722024	2723459 -	3	483	5.30
LOC_Os03g43910.1	expressed protein	Chr3	24638171	24641470 -	3	838	5.30
LOC_Os07g13969.1	expressed protein	Chr7	7982501	7983595 +	1	1127	5.30
LOC_Os07g43160.1	uncharacterized glycosyl hydrolase Rv2006/MT2062, putative, expressed	Chr7	25867212	25871233 +	11	1870	5.30
LOC_Os02g51164.1	expressed protein	Chr2	31306334	31307787 +	2	1309	5.30
LOC_Os05g30420.1	expressed protein	Chr5	17630980	17633380 -	3	1111	5.30
LOC_Os01g68200.1	expressed protein	Chr1	39638781	39641275 +	5	1075	5.30
LOC_Os08g07290.2	HEAT repeat family protein, putative, expressed	Chr8	4069808	4076114 -	4	5218	5.30
LOC_Os11g07870.1	DEAD/DEAH box helicase domain containing protein, expressed	Chr11	4021698	4034044 +	22	5171	5.30
LOC_Os01g01030.1	monocopper oxidase, putative, expressed	Chr1	12648	15915 +	5	2624	5.30
LOC_Os05g38640.1	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed	Chr5	22656825	22658034 -	2	1198	5.30
LOC_Os10g39930.2	cytochrome P450 97B2, putative, expressed	Chr10	21368384	21373363 -	11	2421	5.30
LOC_Os01g10010.1	prenylated rab acceptor, putative, expressed	Chr1	5213932	5216703 -	2	1186	5.30
LOC_Os10g33640.1	AGC_AGC_other_NDRh_TRCd.3 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr10	17732596	17735799 +	12	1971	5.31
LOC_Os08g45040.3	zinc finger protein 593, putative, expressed	Chr8	28272060	28273937 -	2	751	5.31
LOC_Os10g06710.1	amidase, putative, expressed	Chr10	3472158	3475187 +	6	1833	5.31
LOC_Os06g45380.2	vacuolar-sorting receptor precursor, putative, expressed	Chr6	27435593	27441148 +	13	2609	5.31
LOC_Os04g33970.1	2-Cys peroxiredoxin BAS1, chloroplast precursor, putative, expressed	Chr4	20559966	20564907 +	7	1615	5.31
LOC_Os01g42140.2	expressed protein	Chr1	23886843	23888187 -	2	980	5.31
LOC_Os01g42140.1	expressed protein	Chr1	23886843	23888222 -	1	1412	5.31
LOC_Os04g49860.1	DNA2 - Putative DNA replication helicase 2 protein, expressed	Chr4	29719544	29729743 +	33	4920	5.31
LOC_Os05g38880.1	expressed protein	Chr5	22807363	22807937 -	1	607	5.31
LOC_Os08g45040.1	zinc finger protein 593, putative, expressed	Chr8	28272060	28274506 -	3	1018	5.31
LOC_Os08g45040.2	zinc finger protein 593, putative, expressed	Chr8	28272060	28274506 -	3	987	5.31
LOC_Os11g39209.1	expressed protein	Chr11	23346654	23348579 +	1	1958	5.31
LOC_Os08g41090.1	peroxidase precursor, putative, expressed	Chr8	25971764	25974968 -	11	1850	5.31
LOC_Os04g59560.1	tubulin folding cofactor B, putative, expressed	Chr4	35422986	35426837 -	8	1477	5.31
LOC_Os01g47400.2	OsMan01 - Endo-Beta-Mannanase, expressed	Chr1	27081818	27085680 +	5	1836	5.31
LOC_Os01g47400.1	OsMan01 - Endo-Beta-Mannanase, expressed	Chr1	27081806	27085681 +	4	1904	5.31
LOC_Os03g11874.1	expressed protein	Chr3	6218055	6225078 -	5	1380	5.31
LOC_Os05g12380.1	expressed protein	Chr5	7123870	7127152 +	3	1446	5.31
LOC_Os09g26160.2	glutamate receptor, putative, expressed	Chr9	15766741	15770861 +	4	3128	5.31
LOC_Os07g12160.1	KHG/KDPG aldolase, putative, expressed	Chr7	6803406	6806860 +	9	1983	5.31
LOC_Os12g42380.1	expressed protein	Chr12	26339462	26340045 -	2	532	5.31

LOC_Os01g17320.1	PPR repeat domain containing protein, putative, expressed	Chr1	9962629	9966966 +	3	2361	5.31
LOC_Os01g47620.1	expressed protein	Chr1	27243443	27246045 -	3	1263	5.31
LOC_Os12g12664.2	expressed protein	Chr12	6976909	6982100 -	4	3638	5.32
LOC_Os01g31610.1	tyrosyl-tRNA synthetase, putative, expressed	Chr1	17301967	17303723 +	1	1789	5.32
LOC_Os03g51680.2	fanconi anemia L, putative, expressed	Chr3	29592966	29595799 -	10	1778	5.32
LOC_Os03g51680.1	fanconi anemia L, putative, expressed	Chr3	29592966	29595799 -	9	1873	5.32
LOC_Os02g47000.2	expressed protein	Chr2	28694688	28696453 -	2	1187	5.32
LOC_Os07g28470.1	coiled-coil domain-containing protein 111, putative, expressed	Chr7	16660287	16669984 +	16	3109	5.32
LOC_Os06g46030.1	DUF640 domain containing protein, putative, expressed	Chr6	27904549	27906635 -	2	1529	5.32
LOC_Os09g36240.1	deoxyribodipyrimidine photolyase family protein, expressed	Chr9	20897579	20903515 +	16	3131	5.32
LOC_Os07g30220.1	expressed protein	Chr7	17851168	17854470 -	5	1372	5.32
LOC_Os04g20474.3	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed	Chr4	11451370	11455776 +	2	3907	5.32
LOC_Os04g20474.2	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed	Chr4	11450567	11455776 +	3	4277	5.32
LOC_Os03g63074.1	Ser/Thr protein phosphatase family protein, expressed	Chr3	35659830	35666982 -	10	4209	5.32
LOC_Os11g05180.3	expressed protein	Chr11	2278748	2281615 +	4	1909	5.32
LOC_Os02g51700.1	expressed protein	Chr2	31673144	31675290 +	3	1112	5.32
LOC_Os03g55620.3	CAMK_CAMK_like_Aur_like.2 - CAMK includes calcium/calmodulin depeudent protein kinases, exp	Chr3	31674568	31678720 +	7	1763	5.32
LOC_Os09g32250.1	DNA repair ATPase-related, putative, expressed	Chr9	19244915	19250324 +	15	2384	5.32
LOC_Os03g64020.2	expressed protein	Chr3	36180582	36183152 -	8	1808	5.32
LOC_Os08g38610.1	pentatricopeptide, putative, expressed	Chr8	24402186	24406138 +	5	2029	5.32
LOC_Os10g34390.1	expressed protein	Chr10	18332850	18339978 -	8	4513	5.32
LOC_Os08g01700.1	basic helix-loop-helix family protein, putative, expressed	Chr8	418808	420578 -	1	1803	5.32
LOC_Os01g24140.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr1	13612430	13615028 +	3	2406	5.32
LOC_Os04g51490.1	retrotransposon protein, putative, unclassified, expressed	Chr4	30499106	30503422 -	11	2503	5.32
LOC_Os04g20474.1	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed	Chr4	11450567	11455777 +	4	4441	5.33
LOC_Os09g15800.1	tetratricopeptide-like helical, putative, expressed	Chr9	9647717	9650347 -	2	2332	5.33
LOC_Os11g15640.1	expressed protein	Chr11	8871823	8873938 -	3	1989	5.33
LOC_Os03g10360.1	SURF1, putative, expressed	Chr3	5283453	5286844 -	6	1684	5.33
LOC_Os01g60330.1	inactive receptor kinase At2g26730 precursor, putative, expressed	Chr1	34899156	34901733 +	2	2294	5.33
LOC_Os01g63710.2	CDC6 - Putative DNA replication initiation protein, expressed	Chr1	36952783	36956735 +	16	2547	5.33
LOC_Os07g36950.1	expressed protein	Chr7	22125139	22127924 +	1	2818	5.33
LOC_Os03g12810.1	maf, putative, expressed	Chr3	6871765	6875398 -	9	1294	5.33
LOC_Os01g58580.1	ICE-like protease p20 domain containing protein, putative, expressed	Chr1	33869142	33871840 +	2	1714	5.33
LOC_Os08g14660.1	SET domain containing protein, expressed	Chr8	8811774	8816699 -	11	2763	5.33
LOC_Os01g34630.1	retrotransposon protein, putative, Ty1-copia subclass, expressed	Chr1	19095517	19100157 -	7	2613	5.33
LOC_Os03g08640.1	ORC2 - Putative origin recognition complex subunit 2, expressed	Chr3	4446710	4449163 -	7	1670	5.34
LOC_Os03g08640.2	ORC2 - Putative origin recognition complex subunit 2, expressed	Chr3	4446710	4449163 -	6	1713	5.34
LOC_Os11g26030.1	GTPase of unknown function domain containing protein, putative, expressed	Chr11	14883702	14890574 +	8	1820	5.34
LOC_Os11g06680.1	expressed protein	Chr11	3250276	3254508 -	4	3146	5.34
LOC_Os04g31040.3	violaxanthin de-epoxidase, putative, expressed	Chr4	18551243	18553801 -	5	2137	5.34
LOC_Os04g31040.1	violaxanthin de-epoxidase, putative, expressed	Chr4	18551238	18553801 -	6	2069	5.34
LOC_Os07g32170.2	OsSPL13 - SBP-box gene family member, expressed	Chr7	19099964	19103294 -	3	1262	5.34
LOC_Os12g42064.1	OsWAK129c - OsWAK receptor-like protein kinase, expressed	Chr12	26093271	26097944 -	2	3033	5.34
LOC_Os01g67040.2	OsRhmbd5 - Putative Rhomboid homologue, expressed	Chr1	38928641	38930051 +	2	1382	5.34
LOC_Os01g67040.1	OsRhmbd5 - Putative Rhomboid homologue, expressed	Chr1	38928602	38930270 +	1	1701	5.34

LOC_Os05g46200.2	beta-galactosidase 8 precursor, putative, expressed	Chr5	26795517	26801505	-	16	3120	5.34
LOC_Os07g12630.1	transcription elongation factor protein, putative, expressed	Chr7	7224593	7228243	-	2	1590	5.34
LOC_Os02g38490.2	expressed protein	Chr2	23272523	23273306	+	3	647	5.34
LOC_Os02g38490.3	expressed protein	Chr2	23272547	23273306	+	2	717	5.34
LOC_Os06g16140.1	expressed protein	Chr6	9186472	9189863	+	1	3424	5.34
LOC_Os10g41730.1	expressed protein	Chr10	22464360	22466552	+	6	1246	5.34
LOC_Os05g38270.1	regulator of chromosome condensation, putative, expressed	Chr5	22440563	22445332	-	11	2171	5.34
LOC_Os05g38270.2	regulator of chromosome condensation, putative, expressed	Chr5	22440564	22445332	-	11	2155	5.34
LOC_Os05g18790.1	formyl transferase, putative, expressed	Chr5	10914251	10916007	+	5	865	5.34
LOC_Os08g23180.1	fasciclin-like arabinogalactan protein 8 precursor, putative, expressed	Chr8	13985040	13988220	-	2	2007	5.34
LOC_Os12g12380.2	transposon protein, putative, unclassified, expressed	Chr12	6815253	6820419	-	4	3337	5.34
LOC_Os09g26999.3	keratin-associated protein 5-4, putative, expressed	Chr9	16412084	16415862	+	4	2251	5.34
LOC_Os05g02010.4	expressed protein	Chr5	575187	576881	+	6	1237	5.34
LOC_Os05g02010.1	expressed protein	Chr5	574774	576866	+	7	1428	5.34
LOC_Os05g02010.2	expressed protein	Chr5	574774	576866	+	7	1433	5.34
LOC_Os05g28170.2	expressed protein	Chr5	16468040	16472774	-	2	4680	5.34
LOC_Os08g19540.1	retrotransposon protein, putative, unclassified, expressed	Chr8	11682363	11686428	-	3	3993	5.34
LOC_Os02g51290.2	HVA22, putative, expressed	Chr2	31407145	31409129	+	4	900	5.35
LOC_Os06g14470.2	RNA recognition motif containing protein, putative, expressed	Chr6	8129423	8134491	-	5	2203	5.35
LOC_Os09g29825.1	pentatricopeptide, putative, expressed	Chr9	18135734	18136435	+	1	734	5.35
LOC_Os07g07646.1	expressed protein	Chr7	3830511	3833279	+	2	1202	5.35
LOC_Os05g32850.2	CBS domain containing protein, expressed	Chr5	19232846	19238640	+	12	2066	5.35
LOC_Os07g19030.1	tic22-like family domain containing protein, expressed	Chr7	11268894	11273492	+	7	1326	5.35
LOC_Os08g38092.1	abhydrolase domain-containing protein FAM108C1, putative, expressed	Chr8	24129928	24134716	-	6	1821	5.35
LOC_Os04g32760.1	retrotransposon protein, putative, unclassified, expressed	Chr4	19760808	19762008	+	1	1233	5.35
LOC_Os03g55620.2	CAMK_CAMK_like_Aur_like.2 - CAMK includes calcium/calmodulin depedent protein kinases, exp	Chr3	31674568	31678720	+	8	1879	5.35
LOC_Os02g01020.2	expressed protein	Chr2	10568	13896	-	3	3214	5.35
LOC_Os07g32170.1	OsSPL13 - SBP-box gene family member, expressed	Chr7	19099675	19103294	-	2	1707	5.35
LOC_Os06g05190.1	BRCA1 C Terminus domain containing protein, expressed	Chr6	2329883	2334474	+	8	1635	5.35
LOC_Os02g39990.1	expressed protein	Chr2	24178332	24181293	-	4	1404	5.35
LOC_Os04g20990.1	tRNA-dihydrouridine synthase, putative, expressed	Chr4	11801164	11814990	-	12	2095	5.35
LOC_Os02g38490.1	expressed protein	Chr2	23272523	23273346	+	3	682	5.35
LOC_Os11g34140.1	expressed protein	Chr11	19988429	19991058	-	2	2094	5.35
LOC_Os09g39594.1	expressed protein	Chr9	22727637	22729200	+	3	851	5.35
LOC_Os03g27340.2	expressed protein	Chr3	15658785	15661409	-	6	1985	5.35
LOC_Os04g58210.1	N-acetylglucosaminyl-phosphatidylinositol de-N-acetylase, putative, expressed	Chr4	34664936	34668707	+	9	1725	5.36
LOC_Os02g45820.1	mitochondrial import inner membrane translocase subunit Tim, putative, expressed	Chr2	27909552	27912067	-	2	789	5.36
LOC_Os01g62850.1	membrane associated DUF588 domain containing protein, putative, expressed	Chr1	36398958	36401777	-	3	954	5.36
LOC_Os02g12870.5	expressed protein	Chr2	6793140	6795165	+	7	1129	5.36
LOC_Os01g41030.1	ribosomal protein L25, putative, expressed	Chr1	23234635	23237672	-	3	1552	5.36
LOC_Os01g48020.1	S-locus-like receptor protein kinase, putative, expressed	Chr1	27484134	27486470	-	1	2369	5.36
LOC_Os08g05600.1	aquaporin protein, putative, expressed	Chr8	2997031	2998457	+	4	965	5.36
LOC_Os03g50130.1	microsomal glutathione S-transferase 3, putative, expressed	Chr3	28594359	28596342	-	4	1059	5.36
LOC_Os03g50130.2	microsomal glutathione S-transferase 3, putative, expressed	Chr3	28594359	28596340	-	3	1111	5.36
LOC_Os12g37580.1	ABC transporter, ATP-binding protein, putative, expressed	Chr12	23071911	23077729	+	12	3900	5.36

LOC_Os12g43130.1	phytoene synthase, chloroplast precursor, putative, expressed	Chr12	26780487	26783598 -	6	1710	5.36
LOC_Os01g70430.1	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed	Chr1	40794124	40796977 -	3	2356	5.36
LOC_Os05g38670.1	cation efflux family protein, putative, expressed	Chr5	22670927	22674637 +	8	1513	5.36
LOC_Os01g67160.1	cyclin-dependent kinase B1-1, putative, expressed	Chr1	38981302	38984078 -	7	1378	5.36
LOC_Os02g02550.1	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr2	924454	926632 +	7	1614	5.37
LOC_Os03g03420.1	expressed protein	Chr3	1463499	1466923 -	4	855	5.37
LOC_Os03g03420.2	expressed protein	Chr3	1463499	1466923 -	3	910	5.37
LOC_Os08g18770.1	retrotransposon protein, putative, unclassified, expressed	Chr8	11201775	11206648 -	3	3405	5.37
LOC_Os03g10070.1	transcription initiation factor IIB, putative, expressed	Chr3	5082306	5085039 -	3	2018	5.37
LOC_Os10g35940.2	folylpolyglutamate synthetase, putative, expressed	Chr10	19201521	19206783 -	14	2910	5.37
LOC_Os05g49050.1	CobW/P47K family protein, putative, expressed	Chr5	28125211	28128402 +	7	1769	5.37
LOC_Os01g42120.1	expressed protein	Chr1	23881900	23884206 +	5	785	5.37
LOC_Os07g20470.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr7	11820910	11822261 -	2	871	5.37
LOC_Os07g01290.1	transposon protein, putative, unclassified, expressed	Chr7	178548	181537 +	5	2620	5.37
LOC_Os05g49410.2	expressed protein	Chr5	28329371	28330711 +	1	1373	5.37
LOC_Os06g15620.1	GASR7 - Gibberellin-regulated GASA/GAST/Snakin family protein precursor, expressed	Chr6	8847702	8848847 -	2	1106	5.37
LOC_Os12g29560.1	DHHC zinc finger domain containing protein, expressed	Chr12	17619415	17623995 +	11	2075	5.37
LOC_Os01g74250.1	plant-specific domain TIGR01615 family protein, expressed	Chr1	43016926	43019127 +	3	1660	5.37
LOC_Os03g02590.3	peroxisomal biogenesis factor 11, putative, expressed	Chr3	956806	960249 -	8	2751	5.37
LOC_Os03g02590.2	peroxisomal biogenesis factor 11, putative, expressed	Chr3	956806	960245 -	8	2823	5.37
LOC_Os09g13880.1	SWIM zinc finger family protein, putative, expressed	Chr9	8165969	8169058 -	5	2799	5.37
LOC_Os10g25140.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr10	12977397	12982478 +	15	2225	5.37
LOC_Os03g05220.3	expressed protein	Chr3	2530961	2532705 +	4	1027	5.37
LOC_Os07g07230.2	protein kinase, putative, expressed	Chr7	3583172	3588394 +	9	3870	5.37
LOC_Os02g45650.1	peptidase, putative, expressed	Chr2	27764559	27770785 +	14	2332	5.37
LOC_Os01g04200.1	metallo-beta-lactamase family protein, putative, expressed	Chr1	1849834	1856303 +	13	2418	5.37
LOC_Os05g41160.1	expressed protein	Chr5	24107391	24110147 -	5	1129	5.37
LOC_Os06g04130.2	lung seven transmembrane domain containing protein, putative, expressed	Chr6	1725313	1729996 -	2	2037	5.37
LOC_Os05g01590.1	heat shock protein DnaJ, putative, expressed	Chr5	351640	354043 +	6	1196	5.38
LOC_Os04g55040.2	vacuolar ATP synthase subunit D 1, putative, expressed	Chr4	32732598	32733949 +	1	1384	5.38
LOC_Os12g07500.1	csAtPR5, putative, expressed	Chr12	3723611	3726842 -	3	1560	5.38
LOC_Os04g47370.2	coiled-coil domain-containing protein 124, putative, expressed	Chr4	28114866	28117519 +	4	1229	5.38
LOC_Os05g47510.1	pentatricopeptide, putative, expressed	Chr5	27219015	27220337 +	1	1355	5.38
LOC_Os02g05770.1	expressed protein	Chr2	2838179	2842549 +	5	2134	5.38
LOC_Os02g05770.2	expressed protein	Chr2	2838179	2842549 +	5	2110	5.38
LOC_Os12g15460.1	pentatricopeptide, putative, expressed	Chr12	8823315	8827128 -	3	3450	5.38
LOC_Os12g01350.1	csAtPR5, putative, expressed	Chr12	204476	207191 +	3	1379	5.38
LOC_Os02g55090.1	expressed protein	Chr2	33738591	33742250 -	4	2225	5.38
LOC_Os12g37390.1	expressed protein	Chr12	22951705	22953983 +	3	1145	5.38
LOC_Os06g48600.1	macrophage migration inhibitory factor, putative, expressed	Chr6	29402705	29403741 -	3	805	5.38
LOC_Os03g13240.1	peptide transporter, putative, expressed	Chr3	7139072	7143558 -	5	2302	5.38
LOC_Os03g08870.1	expressed protein	Chr3	4596019	4598260 +	4	935	5.38
LOC_Os03g26791.1	expressed protein	Chr3	15295332	15297907 -	2	602	5.38
LOC_Os08g03870.2	2-aminoethanethiol dioxygenase, putative, expressed	Chr8	1843879	1846218 +	6	1479	5.38
LOC_Os08g03870.1	2-aminoethanethiol dioxygenase, putative, expressed	Chr8	1843879	1846218 +	6	1488	5.38

LOC_Os04g42290.1	methyladenine glycosylase, putative, expressed	Chr4	25017214	25020556	+	5	2043	5.38
LOC_Os10g43040.1	ankyrin repeat domain-containing protein 28, putative, expressed	Chr10	23186413	23189553	+	2	1192	5.38
LOC_Os04g46930.1	serine racemase, putative, expressed	Chr4	27823815	27826571	-	7	1573	5.38
LOC_Os04g46930.2	serine racemase, putative, expressed	Chr4	27823815	27826597	-	7	1728	5.38
LOC_Os06g13215.1	growth regulator related protein, putative, expressed	Chr6	7256821	7259221	+	3	1517	5.38
LOC_Os02g13580.1	kinesin motor domain containing protein, expressed	Chr2	7281235	7285696	-	13	3410	5.39
LOC_Os02g39600.1	outer envelope protein, putative, expressed	Chr2	23894659	23898830	-	6	1667	5.39
LOC_Os01g46500.3	OsFBX21 - F-box domain containing protein, expressed	Chr1	26449051	26452875	+	4	2855	5.39
LOC_Os01g46500.2	OsFBX21 - F-box domain containing protein, expressed	Chr1	26449051	26452875	+	4	2862	5.39
LOC_Os01g46500.1	OsFBX21 - F-box domain containing protein, expressed	Chr1	26449051	26452875	+	4	2878	5.39
LOC_Os02g43170.1	B-box zinc finger family protein, putative, expressed	Chr2	26027785	26029489	+	3	1295	5.39
LOC_Os02g43170.2	B-box zinc finger family protein, putative, expressed	Chr2	26027785	26029493	+	2	1674	5.39
LOC_Os04g50208.1	phosphoenolpyruvate carboxykinase, putative, expressed	Chr4	29969234	29972696	-	10	1951	5.39
LOC_Os12g06740.2	OsFBX440 - F-box domain containing protein, expressed	Chr12	3280331	3282393	+	2	1718	5.39
LOC_Os06g12060.1	mTERF family protein, expressed	Chr6	6461154	6465270	-	4	3073	5.39
LOC_Os09g31220.1	expressed protein	Chr9	18779539	18782063	-	4	1215	5.39
LOC_Os09g31220.12	expressed protein	Chr9	18779534	18782063	-	4	1228	5.39
LOC_Os05g35380.1	universal stress protein domain containing protein, putative, expressed	Chr5	21006683	21009694	-	3	1241	5.39
LOC_Os04g53200.1	exonuclease, putative, expressed	Chr4	31678907	31683944	-	6	1698	5.39
LOC_Os12g06250.1	expressed protein	Chr12	2970928	2974160	+	2	2989	5.39
LOC_Os02g02910.1	expressed protein	Chr2	1126021	1132613	-	14	2928	5.39
LOC_Os02g02910.2	expressed protein	Chr2	1126021	1132616	-	14	2928	5.39
LOC_Os02g02910.3	expressed protein	Chr2	1126060	1132613	-	14	2891	5.39
LOC_Os03g44420.1	tubulin/FtsZ domain containing protein, putative, expressed	Chr3	24996576	25000965	+	8	2460	5.39
LOC_Os03g13240.2	peptide transporter, putative, expressed	Chr3	7139072	7143520	-	5	2275	5.39
LOC_Os01g63050.1	expressed protein	Chr1	36527672	36530221	+	5	2342	5.39
LOC_Os12g41760.1	expressed protein	Chr12	25873568	25875554	-	3	618	5.40
LOC_Os01g04910.1	TP53RK-binding protein, putative, expressed	Chr1	2271163	2273757	+	7	1281	5.40
LOC_Os02g51790.1	ribosomal protein L29, putative, expressed	Chr2	31719721	31722499	+	2	1902	5.40
LOC_Os10g42730.1	expressed protein	Chr10	23055146	23057066	+	2	1189	5.40
LOC_Os10g42730.3	expressed protein	Chr10	23055146	23057066	+	2	1189	5.40
LOC_Os10g42500.1	PAP fibrillin family domain containing protein, expressed	Chr10	22920519	22923454	+	3	1888	5.40
LOC_Os03g04470.1	expressed protein	Chr3	2073418	2075029	+	5	1378	5.40
LOC_Os03g63250.2	brefeldin A-sensitive Golgi protein-like, putative, expressed	Chr3	35737258	35741607	-	9	2434	5.40
LOC_Os05g02010.3	expressed protein	Chr5	574774	576881	+	6	1608	5.40
LOC_Os04g48310.1	RING-H2 finger protein, putative, expressed	Chr4	28788484	28791208	+	3	1404	5.40
LOC_Os04g57920.1	OsFBX154 - F-box domain containing protein, expressed	Chr4	34505717	34513336	-	16	4392	5.40
LOC_Os11g42850.1	expressed protein	Chr11	25806201	25810387	-	7	1608	5.40
LOC_Os01g36229.1	expressed protein	Chr1	20041617	20044744	+	4	1458	5.40
LOC_Os12g10540.3	OsMADS13 - MADS-box family gene with MIKCC type-box, expressed	Chr12	5586131	5590285	+	7	1411	5.40
LOC_Os05g11750.1	protein kinase, putative, expressed	Chr5	6666498	6671971	-	6	1867	5.40
LOC_Os12g08670.1	C2 domain containing protein, expressed	Chr12	4397152	4400640	+	5	2467	5.40
LOC_Os12g19350.2	expressed protein	Chr12	11218610	11232984	-	3	698	5.40
LOC_Os02g10690.2	targeting protein for Xklp2, putative, expressed	Chr2	5623352	5627373	+	8	1980	5.41
LOC_Os02g10690.1	targeting protein for Xklp2, putative, expressed	Chr2	5623352	5627373	+	8	1996	5.41

LOC_Os01g02100.3	transposon protein, putative, unclassified, expressed	Chr1	598580	601472 +	4	2532	5.41
LOC_Os08g06430.1	mitochondrial NADH-ubiquinone oxidoreductase, putative, expressed	Chr8	3613350	3615878 +	3	833	5.41
LOC_Os10g41696.1	photosystem II reaction center protein K precursor, putative, expressed	Chr10	22448848	22449231 -	1	416	5.41
LOC_Os03g64020.1	expressed protein	Chr3	36180583	36183152 -	7	1865	5.41
LOC_Os06g07210.1	ribonucleoside-diphosphate reductase large subunit, putative, expressed	Chr6	3449667	3454768 -	17	3701	5.41
LOC_Os03g41280.1	expressed protein	Chr3	22947541	22950581 +	3	2924	5.41
LOC_Os09g17750.1	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed	Chr9	10849736	10853196 -	9	1926	5.41
LOC_Os03g51010.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr3	29150120	29153687 -	7	2088	5.41
LOC_Os01g09310.1	EMB1895, putative, expressed	Chr1	4734012	4737606 -	5	3413	5.41
LOC_Os08g06630.1	RNA polymerase sigma factor, putative, expressed	Chr8	3732441	3736521 +	9	2823	5.41
LOC_Os09g14880.1	transposon protein, putative, Pong sub-class, expressed	Chr9	8879454	8883845 -	4	2399	5.41
LOC_Os03g14334.2	expressed protein	Chr3	7800190	7801862 +	2	1118	5.41
LOC_Os07g07230.1	protein kinase, putative, expressed	Chr7	3583270	3588394 +	8	3861	5.41
LOC_Os11g42850.2	expressed protein	Chr11	25806201	25810387 -	7	1793	5.41
LOC_Os03g08680.1	pentatricopeptide, putative, expressed	Chr3	4472456	4476109 -	6	2076	5.42
LOC_Os03g44660.1	cytosolic 5-nucleotidase III, putative, expressed	Chr3	25142513	25146393 +	9	1822	5.42
LOC_Os12g10540.2	OsMADS13 - MADS-box family gene with MIKCC type-box, expressed	Chr12	5584593	5590285 +	8	1619	5.42
LOC_Os08g35930.1	OsFBL50 - F-box domain and LRR containing protein, expressed	Chr8	22656289	22659552 -	5	2689	5.42
LOC_Os08g35930.2	OsFBL50 - F-box domain and LRR containing protein, expressed	Chr8	22656289	22659552 -	4	2749	5.42
LOC_Os07g25590.1	decarboxylase, putative, expressed	Chr7	14669735	14676409 +	12	1794	5.42
LOC_Os04g43040.3	expressed protein	Chr4	25468673	25471556 -	7	1317	5.42
LOC_Os09g17870.1	cytidyltransferase domain containing protein, expressed	Chr9	10928396	10930718 -	7	1922	5.42
LOC_Os11g05180.2	expressed protein	Chr11	2278737	2281615 +	3	2620	5.42
LOC_Os02g48600.1	expressed protein	Chr2	29752383	29753853 +	2	1228	5.42
LOC_Os04g51320.1	transcription factor TF2, putative, expressed	Chr4	30393182	30395776 -	2	1217	5.42
LOC_Os07g11010.1	protein Kinase-associated protein phosphatase, putative, expressed	Chr7	6051251	6060515 +	13	2874	5.42
LOC_Os01g63710.1	CDC6 - Putative DNA replication initiation protein, expressed	Chr1	36952584	36956727 +	17	2707	5.42
LOC_Os03g15870.1	ribosomal protein L4, putative, expressed	Chr3	8753551	8756023 +	2	1377	5.42
LOC_Os01g02100.2	transposon protein, putative, unclassified, expressed	Chr1	598685	601472 +	3	2502	5.42
LOC_Os01g02100.1	transposon protein, putative, unclassified, expressed	Chr1	598290	601472 +	4	2702	5.42
LOC_Os06g44460.1	D-3-phosphoglycerate dehydrogenase, chloroplast precursor, putative, expressed	Chr6	26854885	26858586 -	5	2246	5.42
LOC_Os07g42760.1	expressed protein	Chr7	25611925	25616379 -	8	2259	5.42
LOC_Os03g36830.1	expressed protein	Chr3	20444173	20447271 -	2	2925	5.42
LOC_Os04g42500.1	trafficking protein particle complex subunit, putative, expressed	Chr4	25150360	25152873 +	7	887	5.42
LOC_Os02g05950.1	phytosulfokine receptor precursor, putative, expressed	Chr2	2958769	2962177 -	1	3441	5.42
LOC_Os01g71256.1	expressed protein	Chr1	41230854	41235660 -	7	2700	5.42
LOC_Os06g39624.2	transposon protein, putative, Pong sub-class, expressed	Chr6	23521936	23526719 +	4	2067	5.42
LOC_Os01g47040.1	C2 domain containing protein, putative, expressed	Chr1	26862081	26863434 +	1	1386	5.42
LOC_Os11g36450.1	OsFBO15 - F-box and other domain containing protein, expressed	Chr11	21490562	21493404 -	2	2093	5.42
LOC_Os12g44040.2	transposon protein, putative, unclassified, expressed	Chr12	27313227	27316327 +	4	2409	5.42
LOC_Os12g44040.1	transposon protein, putative, unclassified, expressed	Chr12	27313227	27316327 +	5	2308	5.42
LOC_Os02g56190.1	expressed protein	Chr2	34370041	34372049 -	4	949	5.42
LOC_Os04g50208.2	phosphoenolpyruvate carboxykinase, putative, expressed	Chr4	29969234	29972696 -	9	2227	5.42
LOC_Os02g17970.1	AGC_PKA/PKG_like.1 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr2	10420650	10428036 +	15	4506	5.42
LOC_Os09g32526.1	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr9	19415322	19418029 -	6	1073	5.43

LOC_Os03g18410.1	DNA-directed RNA polymerase subunit, putative, expressed	Chr3	10320222	10324857 -	9	1912	5.43
LOC_Os01g04200.4	metallo-beta-lactamase family protein, putative, expressed	Chr1	1849837	1855978 +	11	2540	5.43
LOC_Os01g27160.1	cullin, putative, expressed	Chr1	15146084	15152518 +	18	3456	5.43
LOC_Os12g10540.5	OsMADS13 - MADS-box family gene with MIKCC type-box, expressed	Chr12	5584790	5590285 +	9	1479	5.43
LOC_Os12g10540.4	OsMADS13 - MADS-box family gene with MIKCC type-box, expressed	Chr12	5584775	5590285 +	8	1483	5.43
LOC_Os09g31220.3	expressed protein	Chr9	18779539	18782063 -	4	1247	5.43
LOC_Os04g43040.2	expressed protein	Chr4	25468673	25471556 -	6	1375	5.43
LOC_Os10g33874.1	PPR repeat domain containing protein, putative, expressed	Chr10	17980294	17985456 +	8	3517	5.43
LOC_Os05g41190.1	expressed protein	Chr5	24127105	24128452 -	3	1276	5.43
LOC_Os05g41190.2	expressed protein	Chr5	24127105	24128432 -	2	1300	5.43
LOC_Os01g54370.1	dihydropyrimidinase, putative, expressed	Chr1	31283686	31287268 +	7	2548	5.43
LOC_Os07g11010.2	protein Kinase-associated protein phosphatase, putative, expressed	Chr7	6052567	6060515 +	13	2799	5.43
LOC_Os12g27994.1	expressed protein	Chr12	16500199	16504887 -	2	1671	5.44
LOC_Os06g33980.2	tRNA-splicing endonuclease subunit Sen2, putative, expressed	Chr6	19783163	19785258 -	2	1578	5.44
LOC_Os01g56230.3	transmembrane protein 56, putative, expressed	Chr1	32381210	32385675 -	8	1669	5.44
LOC_Os08g41850.2	expressed protein	Chr8	26430707	26433051 -	2	1675	5.44
LOC_Os01g14020.2	expressed protein	Chr1	7852645	7855760 +	5	1073	5.44
LOC_Os03g62720.2	exosome complex exonuclease, putative, expressed	Chr3	35494058	35497784 +	7	1546	5.44
LOC_Os12g01530.3	ferritin-1, chloroplast precursor, putative, expressed	Chr12	320214	323719 -	5	1482	5.44
LOC_Os06g20310.4	expressed protein	Chr6	11669578	11673430 -	6	3085	5.44
LOC_Os02g05810.2	expressed protein	Chr2	2865054	2869033 +	4	3735	5.44
LOC_Os04g37470.1	oxidoreductase, aldo/keto reductase family protein, putative, expressed	Chr4	22316817	22319418 +	4	1130	5.44
LOC_Os05g46140.1	expressed protein	Chr5	26761834	26764812 -	8	1224	5.44
LOC_Os08g40190.1	expressed protein	Chr8	25434400	25436334 +	3	927	5.44
LOC_Os02g39290.1	TRAF-type zinc finger family protein, expressed	Chr2	23726236	23729128 -	3	1697	5.44
LOC_Os03g18120.1	proteins of unknown function domain containing protein, expressed	Chr3	10116219	10120924 +	6	2311	5.44
LOC_Os09g32526.2	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr9	19415322	19418029 -	5	1144	5.44
LOC_Os12g08820.1	growth regulator related protein, putative, expressed	Chr12	4551091	4556276 +	12	2393	5.44
LOC_Os10g38910.1	expressed protein	Chr10	20729297	20731000 -	1	1736	5.44
LOC_Os02g05810.1	expressed protein	Chr2	2865048	2869033 +	3	3801	5.44
LOC_Os03g27320.1	steroid binding protein, putative, expressed	Chr3	15648901	15652157 +	6	1541	5.44
LOC_Os12g27994.2	expressed protein	Chr12	16500199	16507888 -	2	1574	5.44
LOC_Os05g49250.2	hhH-GPD superfamily base excision DNA repair protein, putative, expressed	Chr5	28251313	28256758 -	7	3352	5.44
LOC_Os02g58030.1	leucine-rich repeat-containing protein 40, putative, expressed	Chr2	35526587	35533091 -	21	2983	5.44
LOC_Os09g17870.2	cytidyltransferase domain containing protein, expressed	Chr9	10928396	10930718 -	7	1915	5.44
LOC_Os04g52030.1	zinc finger domain, LSD1 subclass family protein, expressed	Chr4	30904539	30907663 -	7	2043	5.44
LOC_Os02g13640.1	protein phosphatase 1 regulatory subunit SDS22, putative, expressed	Chr2	7316388	7319489 +	6	1837	5.45
LOC_Os03g36110.1	expressed protein	Chr3	20030272	20033711 -	8	2435	5.45
LOC_Os03g36110.2	expressed protein	Chr3	20030272	20033711 -	7	2498	5.45
LOC_Os03g27320.5	steroid binding protein, putative, expressed	Chr3	15648901	15652157 +	5	1627	5.45
LOC_Os02g10320.1	3-oxoacyl-synthase, putative, expressed	Chr2	5422121	5424926 -	11	1646	5.45
LOC_Os02g02424.2	ZOS2-02 - C2H2 zinc finger protein, expressed	Chr2	853767	859880 -	7	3169	5.45
LOC_Os09g01680.2	DNA repair protein RAD51 homolog 4, putative, expressed	Chr9	485012	490813 -	7	3032	5.45
LOC_Os05g48150.1	transposon protein, putative, unclassified, expressed	Chr5	27602412	27605498 +	3	2129	5.45
LOC_Os03g14040.2	expressed protein	Chr3	7615918	7618902 +	7	1211	5.45

LOC_Os06g44880.1	type II intron maturase protein, putative, expressed	Chr6	27126260	27130156 -	5	2806	5.45
LOC_Os03g04590.1	ribosomal protein, putative, expressed	Chr3	2142725	2145526 +	4	865	5.45
LOC_Os04g45860.1	transposon protein, putative, unclassified, expressed	Chr4	27154339	27158799 -	8	2793	5.45
LOC_Os01g52851.1	expressed protein	Chr1	30392739	30395472 +	4	1088	5.45
LOC_Os12g16690.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr12	9565764	9570986 +	6	3586	5.45
LOC_Os01g74460.1	vacuolar fusion protein MON1 homolog A, putative, expressed	Chr1	43120081	43125721 -	14	2729	5.45
LOC_Os04g47370.1	coiled-coil domain-containing protein 124, putative, expressed	Chr4	28114866	28117522 +	4	1631	5.45
LOC_Os03g56850.1	pentatricopeptide, putative, expressed	Chr3	32388963	32392220 +	2	2703	5.45
LOC_Os03g16740.1	protein kinase APK1A, chloroplast precursor, putative, expressed	Chr3	9269491	9273582 -	6	2738	5.45
LOC_Os03g16740.2	protein kinase APK1A, chloroplast precursor, putative, expressed	Chr3	9269491	9273580 -	6	2730	5.45
LOC_Os04g38980.1	pentatricopeptide, putative, expressed	Chr4	23153801	23158503 -	5	2947	5.45
LOC_Os09g31300.2	helix-loop-helix DNA-binding domain containing protein, expressed	Chr9	18814008	18817017 +	5	2266	5.45
LOC_Os09g31300.1	helix-loop-helix DNA-binding domain containing protein, expressed	Chr9	18814008	18817017 +	5	2272	5.45
LOC_Os12g09670.1	expressed protein	Chr12	5103729	5107187 -	3	1466	5.45
LOC_Os12g01530.1	ferritin-1, chloroplast precursor, putative, expressed	Chr12	320214	323923 -	8	1998	5.45
LOC_Os12g01530.2	ferritin-1, chloroplast precursor, putative, expressed	Chr12	320214	323923 -	8	1974	5.45
LOC_Os04g46160.1	expressed protein	Chr4	27341410	27343657 -	5	882	5.46
LOC_Os04g49490.1	protein phosphatase 2C, putative, expressed	Chr4	29515047	29518435 -	4	2956	5.46
LOC_Os12g34098.1	hypothetical protein	Chr12	20635380	20635838 +	1	491	5.46
LOC_Os02g58120.1	oxidoreductase/ transition metal ion binding protein, putative, expressed	Chr2	35567720	35570416 -	8	1409	5.46
LOC_Os03g27320.3	steroid binding protein, putative, expressed	Chr3	15648901	15652157 +	6	1466	5.46
LOC_Os01g74460.2	vacuolar fusion protein MON1 homolog A, putative, expressed	Chr1	43120081	43125721 -	13	2780	5.46
LOC_Os08g07290.1	HEAT repeat family protein, putative, expressed	Chr8	4069808	4077663 -	5	6679	5.46
LOC_Os01g47690.2	metallo-beta-lactamase family protein, putative, expressed	Chr1	27275111	27278560 -	7	1609	5.46
LOC_Os08g14330.1	aldose 1-epimerase, putative, expressed	Chr8	8589037	8594478 -	9	2110	5.46
LOC_Os03g02980.2	CAMK_CAMK_like_ULKh_APgy.1 - CAMK includes calcium/calmodulin depeudent protein kinases,	Chr3	1211679	1217861 +	13	2761	5.46
LOC_Os01g56510.1	periplasmic beta-glucosidase precursor, putative, expressed	Chr1	32580710	32586143 -	13	2867	5.46
LOC_Os10g35730.1	pentatricopeptide repeat domain containing protein, putative, expressed	Chr10	19104084	19105750 +	2	1623	5.46
LOC_Os03g02690.1	dihydrodipicolinate reductase, putative, expressed	Chr3	1004394	1007269 +	10	1790	5.46
LOC_Os12g37590.1	prefoldin, putative, expressed	Chr12	23079981	23084575 +	6	1203	5.46
LOC_Os04g21890.1	disease resistance protein RPM1, putative, expressed	Chr4	12396117	12398915 +	1	2831	5.46
LOC_Os03g02590.4	peroxisomal biogenesis factor 11, putative, expressed	Chr3	956806	960245 -	7	3020	5.46
LOC_Os03g04590.3	ribosomal protein, putative, expressed	Chr3	2142725	2145526 +	4	996	5.46
LOC_Os02g51119.2	expressed protein	Chr2	31273211	31284049 -	10	3014	5.46
LOC_Os05g27920.1	phox domain-containing protein, putative, expressed	Chr5	16289244	16296693 +	5	2450	5.46
LOC_Os06g20310.1	expressed protein	Chr6	11670344	11673430 -	5	2369	5.46
LOC_Os06g20310.3	expressed protein	Chr6	11669579	11673430 -	5	3131	5.46
LOC_Os06g20310.2	expressed protein	Chr6	11669579	11673430 -	5	3149	5.46
LOC_Os09g28489.1	expressed protein	Chr9	17326916	17328680 -	1	1797	5.46
LOC_Os01g70940.3	potassium transporter, putative, expressed	Chr1	41061091	41067527 +	9	3966	5.46
LOC_Os01g70940.2	potassium transporter, putative, expressed	Chr1	41061091	41067527 +	11	3853	5.46
LOC_Os01g70940.1	potassium transporter, putative, expressed	Chr1	41061091	41067527 +	10	3781	5.46
LOC_Os01g74010.2	cyclase/dehydrase family protein, expressed	Chr1	42870524	42872686 -	5	1464	5.47
LOC_Os03g05812.4	expressed protein	Chr3	2908989	2912672 +	8	2461	5.47
LOC_Os01g57250.1	expressed protein	Chr1	33082077	33083412 +	1	1368	5.47

LOC_Os06g27590.1	expressed protein	Chr6	15611975	15612817 -	2	730	5.47
LOC_Os04g38914.1	expressed protein	Chr4	23125233	23126052 -	2	771	5.47
LOC_Os03g36419.1	expressed protein	Chr3	20185455	20187928 -	5	1442	5.47
LOC_Os08g08200.2	mRNA cap guanine-N7 methyltransferase 1, putative, expressed	Chr8	4676287	4680501 -	13	2006	5.47
LOC_Os08g08200.1	mRNA cap guanine-N7 methyltransferase 1, putative, expressed	Chr8	4676286	4680501 -	13	1950	5.47
LOC_Os03g56220.1	stress-induced protein, putative, expressed	Chr3	32027891	32029915 -	1	2057	5.47
LOC_Os04g44590.2	expressed protein	Chr4	26387544	26388693 +	3	780	5.47
LOC_Os12g34900.3	expressed protein	Chr12	21247569	21250227 +	5	1285	5.47
LOC_Os01g43220.1	chitinase domain-containing protein 1 precursor, putative, expressed	Chr1	24691392	24697071 +	7	2663	5.47
LOC_Os09g27860.1	expressed protein	Chr9	16945130	16948035 -	2	1303	5.47
LOC_Os05g05530.3	expressed protein	Chr5	2748324	2749685 -	2	1071	5.47
LOC_Os03g49230.1	acetyltransferase, GNAT family, putative, expressed	Chr3	28039346	28042378 -	6	1151	5.47
LOC_Os03g14540.1	UDP-glucuronate 4-epimerase, putative, expressed	Chr3	7889242	7891358 +	1	2149	5.47
LOC_Os01g74010.1	cyclase/dehydrase family protein, expressed	Chr1	42870524	42872686 -	5	1500	5.47
LOC_Os04g48260.1	zinc RING finger protein, putative, expressed	Chr4	28744397	28747883 +	7	1528	5.47
LOC_Os01g64190.1	expressed protein	Chr1	37278991	37280491 -	1	1533	5.47
LOC_Os08g16470.1	expressed protein	Chr8	10085483	10087943 -	3	528	5.47
LOC_Os08g44230.1	zinc finger family protein, putative, expressed	Chr8	27842259	27847633 +	9	3063	5.48
LOC_Os06g08860.1	transporter family protein, putative, expressed	Chr6	4443021	4446510 -	7	1567	5.48
LOC_Os03g02690.2	dihydrodipicolinate reductase, putative, expressed	Chr3	1004299	1007269 +	11	1796	5.48
LOC_Os04g43040.1	expressed protein	Chr4	25468585	25471556 -	6	1466	5.48
LOC_Os03g62720.1	exosome complex exonuclease, putative, expressed	Chr3	35494074	35497784 +	7	1569	5.48
LOC_Os02g03610.1	ADP-ribosylation factor, putative, expressed	Chr2	1476335	1480287 +	7	1424	5.48
LOC_Os08g27580.1	expressed protein	Chr8	16811699	16814914 +	4	1469	5.48
LOC_Os03g40690.1	PPR repeat containing protein, expressed	Chr3	22624156	22628484 +	4	3241	5.48
LOC_Os08g37115.1	expressed protein	Chr8	23450391	23452993 +	2	1905	5.48
LOC_Os12g38480.2	expressed protein	Chr12	23617086	23624084 +	7	2809	5.48
LOC_Os04g41560.2	B-box zinc finger family protein, putative, expressed	Chr4	24647901	24649396 -	3	1368	5.48
LOC_Os04g41560.4	B-box zinc finger family protein, putative, expressed	Chr4	24647901	24649396 -	2	1431	5.48
LOC_Os12g37690.1	MYB family transcription factor, putative, expressed	Chr12	23135056	23137352 -	3	1400	5.48
LOC_Os05g44390.1	peptidyl-tRNA hydrolase, putative, expressed	Chr5	25823704	25826801 -	9	1554	5.48
LOC_Os08g05830.2	transaldolase, putative, expressed	Chr8	3128300	3132237 -	10	2977	5.48
LOC_Os08g05830.3	transaldolase, putative, expressed	Chr8	3128285	3132235 -	10	2990	5.48
LOC_Os04g53510.1	OsFBL20 - F-box domain and LRR containing protein, expressed	Chr4	31875725	31879749 -	5	2473	5.48
LOC_Os03g15560.1	wibg, putative, expressed	Chr3	8568445	8572063 +	4	1571	5.48
LOC_Os11g31110.1	expressed protein	Chr11	18106956	18113191 -	8	2401	5.48
LOC_Os04g50020.1	heavy-metal-associated domain-containing protein, putative, expressed	Chr4	29827863	29828919 +	4	875	5.48
LOC_Os04g49620.1	DUF581 domain containing protein, expressed	Chr4	29588213	29590515 -	2	1181	5.49
LOC_Os09g32780.1	transposon protein, putative, unclassified, expressed	Chr9	19555482	19560222 +	9	4129	5.49
LOC_Os03g48600.1	domain of unknown function DUF966 domain containing protein, expressed	Chr3	27705346	27710255 -	9	2786	5.49
LOC_Os06g04040.3	WD domain, G-beta repeat domain containing protein, expressed	Chr6	1648595	1651506 +	7	1434	5.49
LOC_Os01g65200.1	proton-dependent oligopeptide transport, putative, expressed	Chr1	37834177	37836926 +	5	2132	5.49
LOC_Os01g65200.3	proton-dependent oligopeptide transport, putative, expressed	Chr1	37834177	37836926 +	4	2200	5.49
LOC_Os01g65200.2	proton-dependent oligopeptide transport, putative, expressed	Chr1	37834177	37836926 +	3	2250	5.49
LOC_Os05g32710.1	Alpha amylase, catalytic domain containing protein, expressed	Chr5	19154970	19157600 -	1	2663	5.49

LOC_Os10g07340.1	expressed protein	Chr10	3868240	3871296 +	1	3089	5.49
LOC_Os11g06680.2	expressed protein	Chr11	3250101	3254509 -	3	3384	5.49
LOC_Os11g07020.1	fructose-bisphosphate aldolase isozyme, putative, expressed	Chr11	3488553	3491659 -	6	1949	5.49
LOC_Os11g07020.4	fructose-bisphosphate aldolase isozyme, putative, expressed	Chr11	3488553	3491659 -	6	1930	5.49
LOC_Os11g07020.5	fructose-bisphosphate aldolase isozyme, putative, expressed	Chr11	3488553	3491659 -	5	2018	5.49
LOC_Os11g07020.7	fructose-bisphosphate aldolase isozyme, putative, expressed	Chr11	3488553	3491659 -	5	2093	5.49
LOC_Os06g33980.1	tRNA-splicing endonuclease subunit Sen2, putative, expressed	Chr6	19783163	19785258 -	3	1642	5.49
LOC_Os06g42164.1	expressed protein	Chr6	25315703	25316474 +	1	804	5.49
LOC_Os09g10760.1	RNA recognition motif containing protein, putative, expressed	Chr9	5870961	5873202 -	4	1302	5.49
LOC_Os04g48170.1	cytochrome P450, putative, expressed	Chr4	28672747	28677225 -	9	2473	5.49
LOC_Os03g02690.3	dihydrodipicolinate reductase, putative, expressed	Chr3	1004299	1007269 +	11	1815	5.49
LOC_Os07g07060.1	prolyl-tRNA synthetase, putative, expressed	Chr7	3483093	3486794 +	9	2655	5.49
LOC_Os02g02020.1	pentatricopeptide, putative, expressed	Chr2	561823	564487 -	1	2697	5.49
LOC_Os07g16130.1	acetyltransferase, GNAT family, putative, expressed	Chr7	9395365	9397527 +	4	1247	5.49
LOC_Os12g25630.1	sulfite oxidase, putative, expressed	Chr12	14827312	14830607 -	12	2050	5.49
LOC_Os02g37834.1	expressed protein	Chr2	22835797	22837146 +	3	780	5.49
LOC_Os07g48720.2	MAG2, putative, expressed	Chr7	29173992	29178326 +	3	3129	5.49
LOC_Os11g07124.1	EFR, putative, expressed	Chr11	3548134	3552354 +	6	3291	5.49
LOC_Os06g36840.1	cysteine synthase, putative, expressed	Chr6	21700478	21703430 -	7	1745	5.49
LOC_Os05g33020.1	preprotein translocase subunit secY, putative, expressed	Chr5	19346026	19353385 -	13	3015	5.49
LOC_Os02g40450.1	DEAD/DEAH box helicase domain containing protein, expressed	Chr2	24518227	24527233 +	26	4778	5.49
LOC_Os07g28090.1	ABC transporter, ATP-binding protein, putative, expressed	Chr7	16375059	16387446 +	16	3304	5.49
LOC_Os07g39090.1	pentatricopeptide repeat domain containing protein, putative, expressed	Chr7	23425405	23430886 -	6	3228	5.49
LOC_Os03g27320.2	steroid binding protein, putative, expressed	Chr3	15648901	15652157 +	6	1481	5.50
LOC_Os01g69090.1	CBS domain-containing protein, putative, expressed	Chr1	40153160	40157182 -	2	1617	5.50
LOC_Os08g44520.1	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr8	27999765	28003568 -	6	1083	5.50
LOC_Os05g15180.1	expressed protein	Chr5	8616501	8618486 -	5	904	5.50
LOC_Os05g15180.2	expressed protein	Chr5	8616501	8618486 -	5	908	5.50
LOC_Os08g44520.2	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr8	27999765	28002348 -	6	1131	5.50
LOC_Os03g48600.12	domain of unknown function DUF966 domain containing protein, expressed	Chr3	27705346	27710255 -	8	2676	5.50
LOC_Os03g48600.3	domain of unknown function DUF966 domain containing protein, expressed	Chr3	27705346	27710255 -	8	2679	5.50
LOC_Os03g48600.7	domain of unknown function DUF966 domain containing protein, expressed	Chr3	27705346	27710255 -	8	2682	5.50
LOC_Os03g48600.2	domain of unknown function DUF966 domain containing protein, expressed	Chr3	27705346	27710255 -	9	2838	5.50
LOC_Os01g48760.1	THAP domain-containing protein 4, putative, expressed	Chr1	27961739	27965444 +	4	945	5.50
LOC_Os01g48760.2	THAP domain-containing protein 4, putative, expressed	Chr1	27961739	27965444 +	4	936	5.50
LOC_Os08g44520.3	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr8	27999765	28002389 -	6	1136	5.50
LOC_Os03g02980.1	CAMK_CAMK_like_ULKh_APGy.1 - CAMK includes calcium/calmodulin dependent protein kinases,	Chr3	1211681	1217861 +	11	2751	5.50
LOC_Os05g39870.1	CAMK_KIN1/SNF1/Nim1_like.24 - CAMK includes calcium/calmodulin dependent protein kinases,	Chr5	23429486	23434020 -	7	2168	5.50
LOC_Os05g01460.1	STIP1 homology and U box-containing protein 1, putative, expressed	Chr5	263725	266445 -	8	1549	5.50
LOC_Os08g27580.2	expressed protein	Chr8	16811699	16814914 +	4	1510	5.50
LOC_Os02g02880.1	expressed protein	Chr2	1106242	1111999 -	8	2387	5.50
LOC_Os09g39640.1	protein kinase, putative, expressed	Chr9	22747357	22752211 +	8	2892	5.51
LOC_Os12g31470.1	retrotransposon protein, putative, unclassified, expressed	Chr12	18922804	18931492 +	11	6961	5.51
LOC_Os07g14540.1	vesicle-associated membrane protein, putative, expressed	Chr7	8287836	8291216 +	5	1406	5.51
LOC_Os10g07160.1	retrotransposon, putative, centromere-specific, expressed	Chr10	3755107	3762605 -	11	2404	5.51

LOC_Os04g39410.1	pentatricopeptide, putative, expressed	Chr4	23457977	23461347 -	1	3403	5.51
LOC_Os04g45750.1	expressed protein	Chr4	27077367	27080595 -	3	3095	5.51
LOC_Os04g45750.2	expressed protein	Chr4	27077367	27080595 -	2	3181	5.51
LOC_Os03g12000.1	DEAD-box ATP-dependent RNA helicase, putative, expressed	Chr3	6286011	6288451 -	2	2194	5.51
LOC_Os01g08650.2	expressed protein	Chr1	4306882	4309935 +	2	1789	5.51
LOC_Os01g08650.1	expressed protein	Chr1	4306882	4309963 +	2	1819	5.51
LOC_Os05g08560.1	transposon protein, putative, unclassified, expressed	Chr5	4669106	4672385 -	2	2142	5.51
LOC_Os05g04070.1	expressed protein	Chr5	1830739	1833326 -	8	1455	5.51
LOC_Os05g11064.1	expressed protein	Chr5	6198378	6200860 -	2	2116	5.51
LOC_Os04g59340.1	RNA-binding region RNP-1, putative, expressed	Chr4	35280662	35282692 +	3	1601	5.51
LOC_Os10g26690.1	structural constituent of ribosome, putative, expressed	Chr10	13937442	13939572 -	3	929	5.51
LOC_Os02g03540.1	phosphoribosyl transferase, putative, expressed	Chr2	1437433	1441125 -	9	1744	5.51
LOC_Os05g38990.1	CCT motif family protein, expressed	Chr5	22874242	22875817 -	3	1475	5.51
LOC_Os05g43130.1	brix domain-containing protein 1, putative, expressed	Chr5	25041530	25043493 -	4	1746	5.51
LOC_Os01g68790.4	RNA recognition motif containing protein, putative, expressed	Chr1	39954529	39956523 +	5	1146	5.51
LOC_Os09g01690.1	expressed protein	Chr9	490930	493986 +	3	1130	5.51
LOC_Os08g32130.1	heat shock protein DnaJ, putative, expressed	Chr8	19937095	19940521 +	5	1698	5.51
LOC_Os02g26850.1	rRNA-processing protein FCF, putative, expressed	Chr2	15762105	15765880 -	5	1567	5.52
LOC_Os09g01690.2	expressed protein	Chr9	490930	493986 +	3	1148	5.52
LOC_Os06g22810.1	TKL_IRAK_CrRLK1L-1.14 - The CrRLK1L-1 subfamily has homology to the CrRLK1L homolog, expe	Chr6	13297087	13301279 +	2	3257	5.52
LOC_Os01g17150.1	plastid-specific 50S ribosomal protein 5, chloroplast precursor, putative, expressed	Chr1	9859350	9860764 +	2	779	5.52
LOC_Os03g22450.1	auxin response factor 75, putative, expressed	Chr3	12865228	12869292 -	9	1951	5.52
LOC_Os04g58640.1	cleavage and polyadenylation specificity factor subunit 5, putative, expressed	Chr4	34877801	34881638 -	7	1535	5.52
LOC_Os03g51930.2	expressed protein	Chr3	29788461	29791210 -	5	1338	5.52
LOC_Os10g41220.1	protein kinase family protein, putative, expressed	Chr10	22136928	22141736 +	10	3231	5.52
LOC_Os09g13940.5	AP2 domain containing protein, expressed	Chr9	8201686	8202666 -	2	580	5.52
LOC_Os09g24710.3	alpha/beta hydrolase fold, putative, expressed	Chr9	14711584	14716558 +	5	1271	5.52
LOC_Os12g42960.1	expressed protein	Chr12	26686790	26689406 -	3	2207	5.52
LOC_Os01g54020.1	tRNA synthetase, putative, expressed	Chr1	31070191	31076279 -	15	2056	5.52
LOC_Os01g54020.2	tRNA synthetase, putative, expressed	Chr1	31070166	31076279 -	15	2063	5.52
LOC_Os06g26340.3	CGMC_MAPKCMGC_2.10 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed	Chr6	15417039	15423582 -	5	1848	5.52
LOC_Os01g50032.1	expressed protein	Chr1	28740236	28744474 +	13	2009	5.52
LOC_Os03g15180.1	PH domain containing protein, expressed	Chr3	8294689	8306264 -	21	2778	5.52
LOC_Os01g02040.2	retrotransposon protein, putative, unclassified, expressed	Chr1	554960	558015 -	6	2800	5.52
LOC_Os10g35150.2	expressed protein	Chr10	18754181	18758096 -	6	1536	5.52
LOC_Os04g40300.1	transglutaminase, putative, expressed	Chr4	23960070	23963329 -	4	2039	5.52
LOC_Os03g02640.1	methylthioribose kinase, putative, expressed	Chr3	974604	978415 +	9	1626	5.52
LOC_Os06g23370.1	expressed protein	Chr6	13635895	13640070 -	4	3324	5.52
LOC_Os01g66590.3	DUF260 domain containing protein, putative, expressed	Chr1	38676217	38678410 +	3	1529	5.53
LOC_Os12g31490.1	expressed protein	Chr12	18938714	18943800 -	6	1729	5.53
LOC_Os06g06940.1	S-locus-like receptor protein kinase, putative, expressed	Chr6	3294197	3296358 -	2	2143	5.53
LOC_Os05g49300.1	iron-sulfur cluster assembly enzyme ISCU, mitochondrial precursor, putative, expressed	Chr5	28289829	28293272 +	3	1073	5.53
LOC_Os02g03690.1	beta-amylase, putative, expressed	Chr2	1539488	1548149 +	11	2758	5.53
LOC_Os06g11320.2	peptidyl-prolyl cis-trans isomerase CYP40, putative, expressed	Chr6	5933789	5939505 -	9	2064	5.53
LOC_Os06g11320.1	peptidyl-prolyl cis-trans isomerase CYP40, putative, expressed	Chr6	5933788	5939645 -	10	2153	5.53

LOC_Os03g51530.1	expressed protein	Chr3	29479234	29479886 +	1	685	5.53
LOC_Os05g36920.1	histone deacetylase, putative, expressed	Chr5	21562265	21565602 -	4	1778	5.53
LOC_Os05g46140.2	expressed protein	Chr5	26761777	26764812 -	8	1370	5.53
LOC_Os02g04120.1	cytidyltransferase domain containing protein, expressed	Chr2	1793652	1797589 +	6	1594	5.53
LOC_Os03g53000.1	XRCC4, putative, expressed	Chr3	30395653	30398414 +	4	1314	5.53
LOC_Os10g33710.1	expressed protein	Chr10	17778502	17793342 +	32	5229	5.53
LOC_Os05g32680.1	PAC, putative, expressed	Chr5	19130324	19135942 +	7	1904	5.54
LOC_Os03g10820.1	expressed protein	Chr3	5547033	5551372 -	6	2017	5.54
LOC_Os02g35144.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr2	21104634	21108056 -	3	1984	5.54
LOC_Os04g54790.1	ELMO/CED-12 family protein, putative, expressed	Chr4	32574405	32581684 +	21	3270	5.54
LOC_Os06g11410.1	cyclin, putative, expressed	Chr6	6019597	6021853 +	6	1772	5.54
LOC_Os06g11410.2	cyclin, putative, expressed	Chr6	6019597	6021861 +	5	1858	5.54
LOC_Os03g06370.2	PPR repeat domain containing protein, putative, expressed	Chr3	3186782	3190051 +	3	2382	5.54
LOC_Os03g06370.1	PPR repeat domain containing protein, putative, expressed	Chr3	3186739	3190051 +	3	2428	5.54
LOC_Os10g41380.1	expressed protein	Chr10	22244074	22247190 +	7	1524	5.54
LOC_Os06g14060.1	MBTB10 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Meprin and TRAF Homology I	Chr6	7841699	7844795 -	2	2014	5.54
LOC_Os06g14060.2	MBTB10 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Meprin and TRAF Homology I	Chr6	7841699	7844834 -	2	2057	5.54
LOC_Os04g57154.1	expressed protein	Chr4	34059026	34064139 -	3	2833	5.54
LOC_Os02g05920.1	phytosulfokine receptor precursor, putative, expressed	Chr2	2938046	2941648 -	1	3635	5.54
LOC_Os03g34280.2	expressed protein	Chr3	19511670	19513644 +	2	1092	5.54
LOC_Os08g42110.1	expressed protein	Chr8	26606691	26609538 +	8	1325	5.54
LOC_Os02g07870.1	ATP synthase, putative, expressed	Chr2	4119976	4127542 +	19	3108	5.54
LOC_Os12g41140.2	expressed protein	Chr12	25487498	25492725 -	6	1939	5.54
LOC_Os12g41140.3	expressed protein	Chr12	25487498	25493744 -	7	2265	5.54
LOC_Os12g41140.1	expressed protein	Chr12	25487500	25493744 -	7	2266	5.54
LOC_Os09g20010.2	SNF1-related protein kinase regulatory subunit beta-2, putative, expressed	Chr9	11985974	11989543 +	3	3116	5.55
LOC_Os11g42790.1	transporter, monovalent cation%3Aproton antiporter-2 family, putative, expressed	Chr11	25768465	25772569 -	13	2778	5.55
LOC_Os04g35610.1	pentatricopeptide, putative, expressed	Chr4	21703600	21705657 -	1	2090	5.55
LOC_Os12g42930.1	expressed protein	Chr12	26674664	26678353 -	7	2546	5.55
LOC_Os01g43980.1	retrotransposon protein, putative, unclassified, expressed	Chr1	25203326	25210615 +	8	4579	5.55
LOC_Os03g23900.1	expressed protein	Chr3	13566187	13567605 -	1	1451	5.55
LOC_Os04g08320.1	YIF1B, putative, expressed	Chr4	4441881	4444004 -	5	1509	5.55
LOC_Os03g43900.1	phosphatidylinositol N-acetylglucosaminyltransferase subunit P, putative, expressed	Chr3	24631419	24634783 -	5	2559	5.55
LOC_Os03g06760.1	exocyst complex component 6, putative, expressed	Chr3	3435736	3439544 +	2	2953	5.55
LOC_Os05g34480.2	expressed protein	Chr5	20442727	20445098 +	4	976	5.55
LOC_Os03g42280.1	B3 DNA binding domain containing protein, expressed	Chr3	23523560	23528315 +	5	3575	5.55
LOC_Os04g55420.1	leucine-rich repeat family protein, putative, expressed	Chr4	32963272	32967004 +	4	3561	5.55
LOC_Os09g39580.1	calmodulin-binding heat-shock protein, putative, expressed	Chr9	22716054	22719930 -	3	3350	5.56
LOC_Os01g13390.1	expressed protein	Chr1	7457835	7459959 +	3	1178	5.56
LOC_Os03g40670.1	glycerophosphoryl diester phosphodiesterase family protein, putative, expressed	Chr3	22615886	22619553 +	8	1848	5.56
LOC_Os01g66180.2	cytochrome c, putative, expressed	Chr1	38443627	38445718 +	3	492	5.56
LOC_Os05g42270.1	acyltransferase, putative, expressed	Chr5	24724324	24727260 +	4	1677	5.56
LOC_Os06g42800.1	STRUBBELIG-RECEPTOR FAMILY 8 precursor, putative, expressed	Chr6	25727513	25733221 -	16	3356	5.56
LOC_Os03g55620.1	CAMK_CAMK_like_Aur_like.2 - CAMK includes calcium/calmodulin dependent protein kinases, ex	Chr3	31674568	31678720 +	5	2609	5.56
LOC_Os11g17610.1	expressed protein	Chr11	9815907	9820235 -	11	1743	5.56

LOC_Os05g27930.3	AP2 domain containing protein, expressed	Chr5	16296914	16299840	-	2	2120	5.56
LOC_Os02g49980.1	ADP-ribosylation factor, putative, expressed	Chr2	30533421	30536379	-	6	1154	5.56
LOC_Os06g39870.1	26S protease regulatory subunit 8, putative, expressed	Chr6	23685179	23688296	+	7	1942	5.57
LOC_Os05g51060.1	DNA ligase, putative, expressed	Chr5	29300928	29304267	-	9	1459	5.57
LOC_Os03g14130.1	POEI1 - Pollen Ole e l allergen and extensin family protein precursor, expressed	Chr3	7675743	7677125	-	2	1081	5.57
LOC_Os10g41380.2	expressed protein	Chr10	22244018	22247157	+	6	1962	5.57
LOC_Os01g07110.1	BRCA2 repeat family protein, expressed	Chr1	3345203	3355066	-	29	5478	5.57
LOC_Os10g30870.1	expressed protein	Chr10	16096316	16098550	-	1	2267	5.57
LOC_Os09g30150.3	AGC_PVPK_like_kin82y.16 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr9	18340474	18343614	+	3	2409	5.57
LOC_Os09g30150.1	AGC_PVPK_like_kin82y.16 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr9	18339634	18343614	+	3	2559	5.57
LOC_Os10g26520.1	protein kinase domain containing protein, expressed	Chr10	13823476	13829535	+	6	2506	5.57
LOC_Os02g27440.2	DNA topoisomerase 1, putative, expressed	Chr2	16172700	16180337	+	14	3691	5.57
LOC_Os05g30900.1	lipase precursor, putative, expressed	Chr5	17941947	17945667	-	10	2223	5.57
LOC_Os11g39670.2	seryl-tRNA synthetase, putative, expressed	Chr11	23628182	23632584	+	10	2656	5.57
LOC_Os12g14420.1	retrotransposon protein, putative, Ty3-gypsy subclass	Chr12	8216993	8221417	+	4	3806	5.57
LOC_Os03g51890.1	expressed protein	Chr3	29749327	29755851	-	9	1365	5.57
LOC_Os07g07900.2	expressed protein	Chr7	3957966	3960638	-	1	2705	5.57
LOC_Os02g27440.4	DNA topoisomerase 1, putative, expressed	Chr2	16172700	16180337	+	11	4035	5.57
LOC_Os05g05740.1	proline synthetase co-transcribed bacterial homolog protein, putative, expressed	Chr5	2862676	2865765	-	7	1199	5.57
LOC_Os03g02480.1	inner membrane protein, putative, expressed	Chr3	906156	909933	+	10	1867	5.57
LOC_Os01g62500.1	OsFtsH3 FtsH protease, homologue of AtFtsH3/10, expressed	Chr1	36182449	36187998	-	8	3155	5.58
LOC_Os01g14020.1	expressed protein	Chr1	7852645	7855833	+	4	1203	5.58
LOC_Os04g52074.1	expressed protein	Chr4	30927631	30934100	+	10	3626	5.58
LOC_Os04g11440.1	F-box protein interaction domain containing protein, expressed	Chr4	6255954	6258351	-	2	1704	5.58
LOC_Os11g06220.1	expressed protein	Chr11	2971115	2974447	+	2	2271	5.58
LOC_Os03g47780.1	WD repeat-containing protein, putative, expressed	Chr3	27120029	27123813	+	11	1758	5.58
LOC_Os03g47780.2	WD repeat-containing protein, putative, expressed	Chr3	27120029	27123813	+	11	1772	5.58
LOC_Os06g20879.2	expressed protein	Chr6	12062651	12065347	+	4	2187	5.58
LOC_Os10g28040.1	histone acetyltransferase GCN5, putative, expressed	Chr10	14549109	14555547	-	13	2357	5.58
LOC_Os01g54590.1	ras-related protein, putative, expressed	Chr1	31403786	31407261	+	2	1120	5.58
LOC_Os03g17140.1	expressed protein	Chr3	9519883	9521111	-	1	1261	5.58
LOC_Os05g44560.1	kinesin motor domain containing protein, expressed	Chr5	25918485	25926076	-	21	3984	5.58
LOC_Os05g34920.1	expressed protein	Chr5	20748871	20752903	+	5	2193	5.58
LOC_Os07g01140.1	MBTB12 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Meprip and TRAF Homology I	Chr7	82397	85934	-	4	1905	5.58
LOC_Os03g61630.2	WD domain, G-beta repeat domain containing protein, expressed	Chr3	34939266	34941366	+	2	1475	5.58
LOC_Os03g61630.1	WD domain, G-beta repeat domain containing protein, expressed	Chr3	34939258	34941366	+	2	1488	5.58
LOC_Os03g63074.2	Ser/Thr protein phosphatase family protein, expressed	Chr3	35659820	35666982	-	9	4465	5.58
LOC_Os03g06710.1	PPR repeat domain containing protein, putative, expressed	Chr3	3407989	3413958	+	3	3229	5.59
LOC_Os11g47800.1	spoOB-associated GTP-binding protein, putative, expressed	Chr11	28820765	28824245	+	5	2146	5.59
LOC_Os02g49980.2	ADP-ribosylation factor, putative, expressed	Chr2	30533422	30536376	-	6	1172	5.59
LOC_Os03g14040.1	expressed protein	Chr3	7615918	7618928	+	6	1288	5.59
LOC_Os03g14040.3	expressed protein	Chr3	7615918	7618928	+	5	1347	5.59
LOC_Os07g38830.2	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr7	23293347	23296803	+	9	1863	5.59
LOC_Os11g05010.2	heavy-metal-associated domain-containing protein, putative, expressed	Chr11	2168203	2171238	+	4	2390	5.59
LOC_Os03g08800.1	CutA, chloroplast precursor, putative, expressed	Chr3	4543317	4544646	-	5	502	5.59

LOC_Os05g32590.1	methyltransferase, putative, expressed	Chr5	19081004	19083368	+	8	1654	5.59
LOC_Os03g62720.3	exosome complex exonuclease, putative, expressed	Chr3	35494059	35497784	+	6	1880	5.59
LOC_Os03g17710.2	splicing factor, arginine/serine-rich, putative, expressed	Chr3	9852711	9856043	-	7	1666	5.59
LOC_Os03g17710.1	splicing factor, arginine/serine-rich, putative, expressed	Chr3	9852712	9856043	-	7	1680	5.59
LOC_Os04g50700.1	pathogenesis-related Bet v I family protein, putative, expressed	Chr4	30001482	30002546	+	2	729	5.59
LOC_Os04g12540.1	receptor-like protein kinase, putative, expressed	Chr4	6939046	6942716	-	3	3129	5.59
LOC_Os10g30640.1	translin, putative, expressed	Chr10	15946256	15950087	+	7	1339	5.59
LOC_Os02g46520.1	hydrolase, putative, expressed	Chr2	28362823	28366935	+	10	2067	5.59
LOC_Os04g54380.1	aluminum resistance protein, putative, expressed	Chr4	32359202	32362652	-	12	2409	5.59
LOC_Os02g36570.1	ABC1 family domain containing protein, putative, expressed	Chr2	22077489	22085283	+	20	3498	5.59
LOC_Os06g13660.1	alanyl-tRNA synthetase, putative, expressed	Chr6	7574978	7581553	+	12	3801	5.59
LOC_Os07g48720.1	MAG2, putative, expressed	Chr7	29173992	29178326	+	4	3274	5.59
LOC_Os08g35939.1	expressed protein	Chr8	22660571	22670001	-	4	1872	5.59
LOC_Os05g49130.2	16S rRNA processing protein RimM containing protein, expressed	Chr5	28183127	28188697	+	7	2976	5.59
LOC_Os10g25600.1	expressed protein	Chr10	13265745	13269501	+	8	1142	5.59
LOC_Os02g50640.1	HEAT repeat family protein, putative, expressed	Chr2	30930066	30934291	-	5	2825	5.59
LOC_Os11g09160.2	B3 DNA binding domain containing protein, expressed	Chr11	4894638	4901214	-	5	1671	5.59
LOC_Os01g39600.1	expressed protein	Chr1	22337346	22341478	-	4	3033	5.60
LOC_Os02g11030.3	50S ribosomal protein L19, chloroplast precursor, putative, expressed	Chr2	5906973	5909620	-	5	1187	5.60
LOC_Os03g08680.2	pentatricopeptide, putative, expressed	Chr3	4470565	4476109	-	7	2108	5.60
LOC_Os03g05220.1	expressed protein	Chr3	2531043	2532705	+	6	967	5.60
LOC_Os05g37450.1	starch binding domain containing protein, putative, expressed	Chr5	21914659	21917380	-	5	2039	5.60
LOC_Os05g48150.2	transposon protein, putative, unclassified, expressed	Chr5	27602412	27605462	+	2	2639	5.60
LOC_Os02g19170.2	expressed protein	Chr2	11180089	11182664	+	1	2608	5.60
LOC_Os02g19170.1	expressed protein	Chr2	11180083	11182664	+	2	2573	5.60
LOC_Os10g31790.1	ubiquitin family protein, putative, expressed	Chr10	16665814	16673464	-	10	1843	5.60
LOC_Os10g31790.2	ubiquitin family protein, putative, expressed	Chr10	16665814	16673163	-	9	1617	5.60
LOC_Os09g12720.2	zinc finger, C3HC4 type domain containing protein, expressed	Chr9	7277192	7281256	-	3	1969	5.60
LOC_Os09g12720.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr9	7277192	7282393	-	3	2342	5.60
LOC_Os03g11960.4	copper/zinc superoxide dismutase, putative, expressed	Chr3	6273706	6275369	-	4	570	5.60
LOC_Os07g48720.3	MAG2, putative, expressed	Chr7	29173992	29178470	+	4	3471	5.60
LOC_Os11g05010.1	heavy-metal-associated domain-containing protein, putative, expressed	Chr11	2168333	2171238	+	4	2544	5.60
LOC_Os03g42280.2	B3 DNA binding domain containing protein, expressed	Chr3	23523494	23528315	+	4	4085	5.60
LOC_Os03g24020.1	ribosomal protein L6, putative, expressed	Chr3	13627561	13630342	-	3	1152	5.60
LOC_Os11g07912.1	MLO domain containing protein, putative, expressed	Chr11	4086132	4090752	+	15	2663	5.60
LOC_Os02g12660.1	protein kinase domain containing protein, putative, expressed	Chr2	6609371	6614191	-	8	3249	5.60
LOC_Os02g11030.1	50S ribosomal protein L19, chloroplast precursor, putative, expressed	Chr2	5906973	5909620	-	6	1399	5.61
LOC_Os11g39670.1	seryl-tRNA synthetase, putative, expressed	Chr11	23628182	23632588	+	10	2653	5.61
LOC_Os09g28810.1	RNA recognition motif containing protein, putative, expressed	Chr9	17499163	17503056	+	6	1557	5.61
LOC_Os01g05010.1	mitochondrial glycoprotein, putative, expressed	Chr1	2357769	2360444	-	3	1280	5.61
LOC_Os04g44590.3	expressed protein	Chr4	26387544	26391345	+	5	878	5.61
LOC_Os03g17340.1	expressed protein	Chr3	9646750	9651687	-	9	2899	5.61
LOC_Os03g05812.1	expressed protein	Chr3	2907108	2912670	+	10	3932	5.61
LOC_Os03g21090.1	auxin-independent growth promoter protein, putative, expressed	Chr3	12008191	12012504	-	10	2269	5.61
LOC_Os12g34890.1	acyl carrier protein, putative, expressed	Chr12	21240387	21243423	-	4	1002	5.61

LOC_Os01g56230.5	transmembrane protein 56, putative, expressed	Chr1	32381210	32385694 -	9	1736	5.61
LOC_Os03g31320.2	RING zinc finger protein-like, putative, expressed	Chr3	17850489	17853739 -	2	1582	5.61
LOC_Os03g26000.1	expressed protein	Chr3	14899827	14906973 +	12	4529	5.61
LOC_Os06g08910.2	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4489429	4493878 -	6	2606	5.61
LOC_Os02g11030.2	50S ribosomal protein L19, chloroplast precursor, putative, expressed	Chr2	5906973	5909620 -	5	1447	5.61
LOC_Os12g39380.1	BTBN24 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3	Chr12	24218359	24224963 -	5	3233	5.61
LOC_Os01g42470.2	acetyltransferase, GNAT family, putative, expressed	Chr1	24145843	24149003 +	4	1144	5.61
LOC_Os02g05199.6	expressed protein	Chr2	2486465	2488965 +	4	2260	5.62
LOC_Os02g14980.1	calcium-binding EF hand family protein, putative, expressed	Chr2	8358769	8362960 +	7	2593	5.62
LOC_Os02g14980.2	calcium-binding EF hand family protein, putative, expressed	Chr2	8359318	8362959 +	6	2602	5.62
LOC_Os11g05010.3	heavy-metal-associated domain-containing protein, putative, expressed	Chr11	2168337	2171238 +	3	2637	5.62
LOC_Os05g51450.1	OsClp8 - Putative Clp protease homologue, expressed	Chr5	29495797	29499479 -	9	1965	5.62
LOC_Os06g40630.1	SFT2, putative, expressed	Chr6	24223752	24226794 +	4	1318	5.62
LOC_Os12g01290.1	ulp1 protease family protein, putative, expressed	Chr12	165073	169377 +	8	2545	5.62
LOC_Os05g38160.1	prenylated rab acceptor, putative, expressed	Chr5	22384138	22387807 +	8	1456	5.62
LOC_Os03g48090.1	WD domain, G-beta repeat domain containing protein, expressed	Chr3	27347078	27351216 -	11	2137	5.62
LOC_Os03g31320.1	RING zinc finger protein-like, putative, expressed	Chr3	17850489	17853697 -	3	1693	5.62
LOC_Os02g02110.1	Alg9-like mannosyltransferase protein, putative, expressed	Chr2	623174	628425 +	8	2833	5.62
LOC_Os01g42470.1	acetyltransferase, GNAT family, putative, expressed	Chr1	24145843	24149002 +	3	1177	5.62
LOC_Os06g12530.1	CS domain containing protein, putative, expressed	Chr6	6794150	6796570 +	6	1475	5.62
LOC_Os02g54490.1	nucleotide binding protein, putative, expressed	Chr2	33364263	33370987 +	19	2963	5.63
LOC_Os05g32120.1	alpha 1,3-xylosyltransferase, putative, expressed	Chr5	18728868	18731335 +	4	1187	5.63
LOC_Os04g32090.1	expressed protein	Chr4	19240380	19245971 -	9	3038	5.63
LOC_Os06g20879.1	expressed protein	Chr6	12062651	12065299 +	2	2531	5.63
LOC_Os03g05812.3	expressed protein	Chr3	2907108	2912672 +	11	3726	5.63
LOC_Os03g62250.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr3	35256091	35264427 -	16	2624	5.63
LOC_Os03g63090.1	actin-related protein 2/3 complex subunit 4, putative, expressed	Chr3	35669657	35672795 +	8	1580	5.63
LOC_Os07g03070.1	tetratricopeptide repeat containing protein, putative, expressed	Chr7	1165793	1169606 +	6	1956	5.63
LOC_Os04g01740.1	heat shock protein, putative, expressed	Chr4	483241	486065 +	3	2680	5.63
LOC_Os01g08550.1	aminoacyl-tRNA synthetase, putative, expressed	Chr1	4245417	4249851 -	11	2320	5.63
LOC_Os03g19510.1	OsClp4 - Putative Clp protease homologue, expressed	Chr3	10966698	10969826 -	9	1638	5.63
LOC_Os05g11140.3	CK1_CaseinKinase_1a.5 - CK1 includes the casein kinase 1 kinases, expressed	Chr5	6272686	6282566 -	17	3133	5.63
LOC_Os05g11140.1	CK1_CaseinKinase_1a.5 - CK1 includes the casein kinase 1 kinases, expressed	Chr5	6272686	6282566 -	16	3052	5.63
LOC_Os06g48200.1	glycosyl hydrolases family 16, putative, expressed	Chr6	29156425	29157883 -	3	1390	5.63
LOC_Os05g22670.1	transcription factor IIA large subunit, putative, expressed	Chr5	12865904	12872403 +	11	2084	5.63
LOC_Os01g73430.1	RNA polymerase IV largest subunit, putative, expressed	Chr1	42549843	42556862 -	18	5289	5.63
LOC_Os01g56230.1	transmembrane protein 56, putative, expressed	Chr1	32381210	32385675 -	9	1756	5.63
LOC_Os01g56230.2	transmembrane protein 56, putative, expressed	Chr1	32381210	32385675 -	9	1761	5.63
LOC_Os01g61690.1	OsSCP5 - Putative Serine Carboxypeptidase homologue, expressed	Chr1	35688056	35691686 -	9	2552	5.63
LOC_Os04g57320.2	immutans protein, putative, expressed	Chr4	34122822	34125914 -	7	2095	5.63
LOC_Os04g57320.1	immutans protein, putative, expressed	Chr4	34122822	34125935 -	9	1973	5.63
LOC_Os03g62690.1	pentatricopeptide, putative, expressed	Chr3	35474093	35479956 +	14	4370	5.63
LOC_Os02g56014.1	40S ribosomal protein S30, putative, expressed	Chr2	34295821	34296468 -	2	601	5.63
LOC_Os01g62860.1	oxidoreductase, aldo/keto reductase family protein, putative, expressed	Chr1	36403442	36407380 +	7	1604	5.64
LOC_Os04g57190.1	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr4	34074001	34077291 -	9	1443	5.64

LOC_Os07g47260.1	H-BTB7 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence,	Chr7	28247341	28249707	+	1	2399	5.64
LOC_Os12g33210.1	OsFBL59 - F-box domain and LRR containing protein, expressed	Chr12	20084212	20088112	+	3	2865	5.64
LOC_Os08g02670.1	ATP binding protein, putative, expressed	Chr8	1111277	1115786	+	6	3076	5.64
LOC_Os01g42510.2	expressed protein	Chr1	24168245	24171441	-	5	830	5.64
LOC_Os02g35000.1	chaperone protein dnaJ 10, putative, expressed	Chr2	20994336	20997195	-	10	2189	5.64
LOC_Os02g45590.1	PPR repeat domain containing protein, putative, expressed	Chr2	27735847	27740939	-	6	2562	5.64
LOC_Os05g16640.1	DUF630/DUF632 domains containing protein, putative, expressed	Chr5	9438726	9443681	+	6	3031	5.64
LOC_Os08g27040.1	lipid phosphatase protein, putative, expressed	Chr8	16519419	16523966	-	9	1992	5.64
LOC_Os01g56230.4	transmembrane protein 56, putative, expressed	Chr1	32381210	32385675	-	8	1814	5.64
LOC_Os03g16870.1	expressed protein	Chr3	9373153	9375798	-	9	1858	5.64
LOC_Os11g04230.1	transcription initiation factor, putative, expressed	Chr11	1739120	1741886	+	7	1227	5.64
LOC_Os12g31830.1	nitrilase, putative, expressed	Chr12	19151192	19156207	+	9	1887	5.64
LOC_Os07g03130.1	PDV2, putative, expressed	Chr7	1199188	1201376	-	2	1291	5.64
LOC_Os03g38500.1	expressed protein	Chr3	21371243	21375804	+	4	792	5.64
LOC_Os06g40960.1	ZOS6-05 - C2H2 zinc finger protein, expressed	Chr6	24453131	24456495	+	2	2023	5.65
LOC_Os01g02040.1	retrotransposon protein, putative, unclassified, expressed	Chr1	554022	558015	-	8	3341	5.65
LOC_Os02g27440.3	DNA topoisomerase 1, putative, expressed	Chr2	16172700	16180337	+	12	4503	5.65
LOC_Os05g08440.1	OsFBX163 - F-box domain containing protein, expressed	Chr5	4610870	4612756	+	2	1863	5.65
LOC_Os01g68490.1	tetratricopeptide-like helical, putative, expressed	Chr1	39794226	39799341	-	3	4136	5.65
LOC_Os03g20460.2	guanylate kinase, putative, expressed	Chr3	11595454	11599057	+	3	1539	5.65
LOC_Os03g20460.1	guanylate kinase, putative, expressed	Chr3	11595453	11599060	+	4	1475	5.65
LOC_Os11g40090.1	A49-like RNA polymerase I associated factor family protein, expressed	Chr11	23909865	23913312	+	4	1931	5.65
LOC_Os01g05105.1	expressed protein	Chr1	2393480	2398292	+	1	4845	5.65
LOC_Os02g10740.1	calcium-binding mitochondrial carrier CBG00135, putative, expressed	Chr2	5663004	5668429	-	5	3086	5.65
LOC_Os05g15160.1	phosphate/phosphate translocator, putative, expressed	Chr5	8600456	8609826	+	12	2063	5.65
LOC_Os04g03980.1	flavin monooxygenase, putative, expressed	Chr4	1813950	1816073	-	2	2093	5.65
LOC_Os08g29170.1	dehydrogenase, putative, expressed	Chr8	17855514	17857688	-	4	2005	5.65
LOC_Os03g52320.2	GRF-interacting factor 1, putative, expressed	Chr3	30045079	30047237	-	4	1345	5.65
LOC_Os11g21920.1	transposon protein, putative, CACTA, En/Spm sub-class	Chr11	12580306	12580692	-	1	419	5.65
LOC_Os03g40260.1	Regulator of chromosome condensation domain containing protein, expressed	Chr3	22372924	22380193	+	9	2382	5.65
LOC_Os02g42910.1	expressed protein	Chr2	25805953	25813565	-	10	5876	5.65
LOC_Os06g45590.1	glyceraldehyde-3-phosphate dehydrogenase, putative, expressed	Chr6	27601120	27605337	-	14	2199	5.65
LOC_Os08g38270.1	fasciclin domain containing protein, expressed	Chr8	24252684	24253935	+	1	1284	5.65
LOC_Os01g54040.1	ATP-dependent protease La, putative, expressed	Chr1	31078609	31088007	-	11	2629	5.65
LOC_Os02g02890.1	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr2	1116059	1117136	+	1	1110	5.66
LOC_Os03g62690.2	pentatricopeptide, putative, expressed	Chr3	35474092	35479977	+	11	5003	5.66
LOC_Os10g28640.1	RIO1 family protein, expressed	Chr10	14925735	14929778	+	7	2669	5.66
LOC_Os06g13720.1	dehydrogenase E1 component domain containing protein, expressed	Chr6	7602364	7605812	+	8	1947	5.66
LOC_Os11g40090.2	A49-like RNA polymerase I associated factor family protein, expressed	Chr11	23909865	23913312	+	4	1964	5.66
LOC_Os08g29615.1	expressed protein	Chr8	18168729	18172239	+	3	2704	5.66
LOC_Os02g21580.1	PPR repeat containing protein, expressed	Chr2	12815514	12817130	-	2	1642	5.66
LOC_Os01g57410.3	pentatricopeptide repeat domain containing protein, putative, expressed	Chr1	33182589	33186170	+	3	3112	5.66
LOC_Os03g58830.1	BEE 1, putative, expressed	Chr3	33500880	33505048	-	6	1474	5.66
LOC_Os03g61280.1	OsMan05 - Endo-Beta-Mannanase, expressed	Chr3	34798312	34800854	+	3	2452	5.66
LOC_Os11g02630.1	expressed protein	Chr11	837783	839909	-	1	2159	5.66

LOC_Os01g68510.1	peptide transporter PTR2, putative, expressed	Chr1	39810303	39815206 +	4	2445	5.66
LOC_Os07g42880.1	PPR repeat containing protein, expressed	Chr7	25672201	25674075 +	1	1907	5.66
LOC_Os02g05199.2	expressed protein	Chr2	2486465	2488967 +	3	2243	5.66
LOC_Os02g05199.4	expressed protein	Chr2	2486465	2488967 +	4	2192	5.66
LOC_Os04g57790.1	ubiquinone biosynthesis protein COQ4, putative, expressed	Chr4	34413441	34415644 +	3	1282	5.66
LOC_Os12g07800.1	S-locus-like receptor protein kinase, putative, expressed	Chr12	3938882	3943936 +	3	2860	5.66
LOC_Os12g01570.1	nodulin, putative, expressed	Chr12	345084	349145 +	3	1851	5.67
LOC_Os11g01594.1	expressed protein	Chr11	345960	347658 -	3	968	5.67
LOC_Os01g07540.1	G-patch domain containing protein, expressed	Chr1	3610392	3615764 +	10	1881	5.67
LOC_Os05g36090.1	zinc finger DHHC domain-containing protein, putative, expressed	Chr5	21388694	21392697 +	5	2127	5.67
LOC_Os01g54040.3	ATP-dependent protease La, putative, expressed	Chr1	31078609	31088007 -	12	2783	5.67
LOC_Os09g31220.6	expressed protein	Chr9	18779539	18782063 -	5	1300	5.67
LOC_Os01g65830.1	acyl-desaturase, chloroplast precursor, putative, expressed	Chr1	38224419	38226031 +	2	1591	5.67
LOC_Os08g10410.1	expressed protein	Chr8	6112375	6115664 -	6	1766	5.67
LOC_Os02g44970.1	expressed protein	Chr2	27238657	27240720 -	1	2096	5.67
LOC_Os05g34290.1	glutathione gamma-glutamylcysteinyltransferase 1, putative, expressed	Chr5	20302077	20304710 +	5	1599	5.67
LOC_Os03g56320.2	expressed protein	Chr3	32107038	32109990 +	7	2086	5.67
LOC_Os02g03060.1	cyclin-dependent kinase A-2, putative, expressed	Chr2	1207635	1211226 +	7	1698	5.67
LOC_Os03g14400.1	cytochrome P450, putative, expressed	Chr3	7831876	7833791 -	2	1851	5.67
LOC_Os05g03050.1	DNA repair protein Rad51, putative, expressed	Chr5	1186090	1190655 -	12	1826	5.67
LOC_Os06g49450.3	expressed protein	Chr6	29961036	29967489 +	10	2487	5.67
LOC_Os01g54540.2	ribosomal protein L13, putative, expressed	Chr1	31367015	31369416 +	4	1200	5.67
LOC_Os07g38830.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr7	23293331	23296804 +	9	1931	5.67
LOC_Os03g09090.1	expressed protein	Chr3	4720645	4724099 -	8	2088	5.67
LOC_Os02g57380.1	thioredoxin, putative, expressed	Chr2	35158955	35161544 +	5	1470	5.67
LOC_Os06g30710.2	DGCR14, putative, expressed	Chr6	17812058	17815614 +	2	1949	5.67
LOC_Os12g41230.1	tesmin/TSO1-like CXC domain containing protein, expressed	Chr12	25561750	25569052 -	11	3427	5.67
LOC_Os12g41230.2	tesmin/TSO1-like CXC domain containing protein, expressed	Chr12	25561750	25569052 -	11	3453	5.67
LOC_Os12g41230.3	tesmin/TSO1-like CXC domain containing protein, expressed	Chr12	25561750	25569052 -	10	3497	5.67
LOC_Os05g49130.1	16S rRNA processing protein RimM containing protein, expressed	Chr5	28183127	28188697 +	6	3424	5.67
LOC_Os09g30466.1	nuclear ribonuclease Z, putative, expressed	Chr9	18565965	18569125 -	8	1703	5.68
LOC_Os02g05199.3	expressed protein	Chr2	2486465	2488967 +	4	2309	5.68
LOC_Os02g05199.1	expressed protein	Chr2	2486465	2488967 +	4	2312	5.68
LOC_Os12g02950.1	EMB2748, putative, expressed	Chr12	1093738	1096564 -	7	1538	5.68
LOC_Os12g02385.1	outer membrane protein, OMP85 family, putative, expressed	Chr12	780039	783513 -	8	2552	5.68
LOC_Os07g39460.1	transposon protein, putative, unclassified, expressed	Chr7	23633878	23643200 -	13	3623	5.68
LOC_Os03g47990.1	OB-fold nucleic acid binding domain containing protein, putative, expressed	Chr3	27283074	27286338 +	4	1184	5.68
LOC_Os01g69060.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr1	40133062	40138351 +	15	2341	5.68
LOC_Os07g38940.1	ubiquitin-conjugating enzyme, putative, expressed	Chr7	23349422	23352488 +	4	1057	5.68
LOC_Os03g23920.1	expressed protein	Chr3	13575806	13577233 -	1	1460	5.68
LOC_Os04g48140.1	methyltransferase, putative, expressed	Chr4	28645797	28649459 -	7	1985	5.68
LOC_Os01g07280.1	disease resistance protein, putative, expressed	Chr1	3431606	3435618 -	5	3112	5.68
LOC_Os02g53120.1	Peptidase family C50, putative, expressed	Chr2	32499211	32507151 -	12	4110	5.68
LOC_Os02g03060.2	cyclin-dependent kinase A-2, putative, expressed	Chr2	1207635	1211226 +	6	1775	5.68
LOC_Os04g33810.1	RNA recognition motif containing protein, putative, expressed	Chr4	20484158	20485720 +	4	1133	5.68

LOC_Os01g54540.1	ribosomal protein L13, putative, expressed	Chr1	31367015	31369416	+	4	1215	5.68
LOC_Os02g05199.5	expressed protein	Chr2	2486465	2488967	+	2	2414	5.68
LOC_Os12g04260.1	astaxanthin synthase KC28, putative, expressed	Chr12	1802706	1807516	+	13	2092	5.68
LOC_Os01g53060.1	peroxisomal membrane protein, putative, expressed	Chr1	30488174	30490501	+	6	1480	5.68
LOC_Os05g01460.2	STIP1 homology and U box-containing protein 1, putative, expressed	Chr5	263744	266445	-	5	1787	5.68
LOC_Os09g20910.1	expressed protein	Chr9	12582819	12590857	-	16	3914	5.68
LOC_Os03g11210.1	DUF538 domain containing protein, putative, expressed	Chr3	5769927	5772647	+	3	1177	5.69
LOC_Os11g16430.1	diphthamide biosynthesis protein, putative, expressed	Chr11	9089498	9095181	+	11	2330	5.69
LOC_Os04g47680.1	Ser/Thr-rich protein T10 in DGCR region, putative, expressed	Chr4	28290100	28292275	+	4	1462	5.69
LOC_Os01g19140.1	O-sialoglycoprotein endopeptidase, putative, expressed	Chr1	10813997	10818530	-	10	1625	5.69
LOC_Os10g21198.1	photosystem II reaction center protein K precursor, putative, expressed	Chr10	10814227	10814412	+	1	218	5.69
LOC_Os01g39020.1	HSF-type DNA-binding domain containing protein, expressed	Chr1	21938865	21941839	+	2	1633	5.69
LOC_Os10g35290.1	DNA-directed RNA polymerase I subunit RPA2, putative, expressed	Chr10	18857786	18867383	-	24	4211	5.69
LOC_Os12g43930.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr12	27263719	27265922	+	2	1291	5.69
LOC_Os04g42880.1	WD domain, G-beta repeat domain containing protein, expressed	Chr4	25374638	25376829	+	2	1619	5.69
LOC_Os04g57190.3	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr4	34074001	34077291	-	8	1584	5.69
LOC_Os07g46300.1	expressed protein	Chr7	27620767	27623656	+	3	2738	5.69
LOC_Os10g34030.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr10	18150496	18156384	-	11	1367	5.69
LOC_Os03g56320.1	expressed protein	Chr3	32107038	32109990	+	6	2133	5.69
LOC_Os01g12660.1	AAA-type ATPase family protein, putative, expressed	Chr1	6970861	6976710	-	15	3447	5.69
LOC_Os05g43820.2	ras-related protein, putative, expressed	Chr5	25474799	25478182	+	6	2834	5.69
LOC_Os08g40420.1	ternary complex factor MIP1, putative, expressed	Chr8	25584780	25590222	+	12	3977	5.69
LOC_Os01g55120.1	expressed protein	Chr1	31718042	31719808	-	1	1799	5.69
LOC_Os07g23720.1	B4-BTB4 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with B4 subfamily conserved sequ	Chr7	13384446	13386049	+	1	1636	5.69
LOC_Os01g51754.2	alpha-amylase precursor, putative, expressed	Chr1	29760719	29770037	+	11	4622	5.69
LOC_Os02g56040.1	chaperone protein dnaJ, putative, expressed	Chr2	34300624	34307729	-	11	2418	5.69
LOC_Os09g30100.2	NOL1/NOP2/sun family protein, putative, expressed	Chr9	18293017	18300990	+	19	2374	5.70
LOC_Os01g53060.2	peroxisomal membrane protein, putative, expressed	Chr1	30488184	30490499	+	5	1648	5.70
LOC_Os06g48610.1	CCT motif family protein, expressed	Chr6	29407744	29412038	+	3	3232	5.70
LOC_Os05g44590.5	ATP-dependent protease La, putative, expressed	Chr5	25942431	25946904	+	8	2219	5.70
LOC_Os09g15170.1	nucleobase-ascorbate transporter, putative, expressed	Chr9	9206558	9211740	+	14	2992	5.70
LOC_Os05g24140.1	tetracycline transporter-like protein 1, putative, expressed	Chr5	13927672	13929113	+	6	1057	5.70
LOC_Os10g40824.1	expressed protein	Chr10	21953518	21955536	+	1	2051	5.70
LOC_Os08g40420.2	ternary complex factor MIP1, putative, expressed	Chr8	25584780	25590222	+	11	4096	5.70
LOC_Os02g58230.1	C2 domain containing protein, putative, expressed	Chr2	35643004	35647999	-	8	2651	5.70
LOC_Os02g58230.2	C2 domain containing protein, putative, expressed	Chr2	35643004	35648165	-	8	1902	5.70
LOC_Os04g31820.1	expressed protein	Chr4	19061844	19062053	-	1	242	5.70
LOC_Os04g30420.1	dehydrogenase, putative, expressed	Chr4	18168723	18172037	+	4	1554	5.70
LOC_Os03g63670.1	expressed protein	Chr3	35964861	35968404	-	2	3509	5.70
LOC_Os03g63670.2	expressed protein	Chr3	35964865	35968404	-	2	3509	5.70
LOC_Os11g06370.1	expressed protein	Chr11	3063521	3066036	-	2	1582	5.70
LOC_Os01g34610.1	expressed protein	Chr1	19079248	19083485	+	6	2050	5.70
LOC_Os07g32590.1	peptidase, M24 family protein, putative, expressed	Chr7	19427900	19432234	+	11	1949	5.70
LOC_Os06g10140.1	expressed protein	Chr6	5186447	5188307	-	3	1702	5.71
LOC_Os03g14030.2	thaumatin, putative, expressed	Chr3	7612483	7614083	-	2	1557	5.71

LOC_Os06g46540.1	cell division cycle protein 23, putative, expressed	Chr6	28256523	28260340 +	6	2092	5.71
LOC_Os05g01710.1	transcription initiation factor IIA gamma chain, putative, expressed	Chr5	437013	443270 +	4	1064	5.71
LOC_Os05g01710.2	transcription initiation factor IIA gamma chain, putative, expressed	Chr5	437013	443270 +	4	972	5.71
LOC_Os05g01710.3	transcription initiation factor IIA gamma chain, putative, expressed	Chr5	437010	443270 +	4	970	5.71
LOC_Os06g33530.1	protein phosphatase 2C, putative, expressed	Chr6	19526780	19529692 -	7	1557	5.71
LOC_Os01g57410.2	pentatricopeptide repeat domain containing protein, putative, expressed	Chr1	33182589	33186170 +	2	3205	5.71
LOC_Os03g61570.2	expressed protein	Chr3	34913404	34914861 +	3	1336	5.71
LOC_Os03g61570.1	expressed protein	Chr3	34913404	34914861 +	1	1490	5.71
LOC_Os04g02140.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr4	706797	711491 -	14	2406	5.71
LOC_Os08g25390.2	bifunctional aspartokinase/homoserine dehydrogenase, chloroplast precursor, putative, expressed	Chr8	15441219	15450607 -	16	3235	5.71
LOC_Os12g43590.1	FAD dependent oxidoreductase domain containing protein, expressed	Chr12	27051917	27056972 -	16	2810	5.71
LOC_Os07g08880.2	ES43 protein, putative, expressed	Chr7	4606679	4614598 +	5	1376	5.71
LOC_Os07g08880.1	ES43 protein, putative, expressed	Chr7	4606679	4614599 +	5	1380	5.71
LOC_Os07g08880.3	ES43 protein, putative, expressed	Chr7	4606679	4614599 +	5	1361	5.71
LOC_Os06g44540.1	HOTHEAD precursor, putative, expressed	Chr6	26904391	26908175 +	5	2371	5.71
LOC_Os07g29290.1	expansin precursor, putative, expressed	Chr7	17161995	17165698 -	5	1775	5.71
LOC_Os12g32670.1	CC-NBS-LRR resistance protein, putative, expressed	Chr12	19716108	19719992 -	2	3466	5.71
LOC_Os04g53630.1	pentatricopeptide, putative, expressed	Chr4	31966462	31968300 +	2	1744	5.71
LOC_Os08g02360.1	exosome complex exonuclease, putative, expressed	Chr8	936009	940477 -	7	1369	5.71
LOC_Os02g44740.2	expressed protein	Chr2	27106888	27110709 -	2	3241	5.71
LOC_Os05g44210.1	trehalose-6-phosphate synthase, putative, expressed	Chr5	25713720	25720299 +	16	3271	5.71
LOC_Os02g01520.1	IQ calmodulin-binding motif family protein, putative, expressed	Chr2	299744	302823 +	3	2013	5.71
LOC_Os10g40060.2	protein kinase, putative, expressed	Chr10	21454034	21459741 -	7	2555	5.71
LOC_Os09g27610.1	expressed protein	Chr9	16781152	16784471 +	12	1548	5.71
LOC_Os02g35720.1	signal peptidase complex subunit 2, putative, expressed	Chr2	21462176	21464520 -	4	1081	5.71
LOC_Os06g43800.1	methyltransferase domain containing protein, putative, expressed	Chr6	26375956	26379227 -	7	1895	5.71
LOC_Os06g43800.2	methyltransferase domain containing protein, putative, expressed	Chr6	26375956	26379227 -	6	2028	5.71
LOC_Os08g44620.1	zinc-binding protein, putative, expressed	Chr8	28059345	28061198 -	3	1634	5.72
LOC_Os01g62870.2	oxidoreductase, aldo/keto reductase family protein, putative, expressed	Chr1	36412130	36414610 +	4	1163	5.72
LOC_Os06g43610.1	formamidopyrimidine-DNA glycosylase, putative, expressed	Chr6	26229857	26232885 -	10	2027	5.72
LOC_Os06g46380.1	rab geranylgeranyl transferase like protein, putative, expressed	Chr6	28143872	28148384 +	8	2759	5.72
LOC_Os01g45070.2	peptide deformylase, putative, expressed	Chr1	25586543	25589162 -	5	1047	5.72
LOC_Os09g35910.1	homeobox associated leucine zipper, putative, expressed	Chr9	20671754	20673282 +	2	1499	5.72
LOC_Os09g35920.2	mediator of RNA polymerase II transcription subunit 10, putative, expressed	Chr9	20673834	20678640 -	7	2614	5.72
LOC_Os05g28840.1	expressed protein	Chr5	16908946	16910083 -	1	1170	5.72
LOC_Os02g06360.1	uncharacterized protein CPn_0526/CP_0226/CPj0526/CpB0547, putative, expressed	Chr2	3179477	3182791 +	3	1577	5.72
LOC_Os02g47350.1	oxidoreductase, short chain dehydrogenase/reductase family, putative, expressed	Chr2	28914744	28916890 +	3	1614	5.72
LOC_Os02g33560.1	expressed protein	Chr2	19962597	19967923 -	5	1809	5.72
LOC_Os08g34340.1	DUF593 domain containing protein, expressed	Chr8	21551910	21558589 +	11	3994	5.72
LOC_Os04g02910.3	membrane related protein CP5, putative, expressed	Chr4	1148798	1151427 -	5	1670	5.72
LOC_Os04g29424.1	retrotransposon protein, putative, LINE subclass, expressed	Chr4	17491799	17496211 -	8	1792	5.72
LOC_Os01g34970.2	MDR-like ABC transporter, putative, expressed	Chr1	19352055	19359549 +	10	3801	5.72
LOC_Os04g59580.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr4	35430341	35432837 -	3	1726	5.72
LOC_Os07g09460.1	expressed protein	Chr7	4988153	4998441 +	4	896	5.72
LOC_Os10g17990.1	phosphatidate cytidyltransferase, putative, expressed	Chr10	9120533	9126526 -	12	2257	5.72

LOC_Os10g40060.3	protein kinase, putative, expressed	Chr10	21454034	21458842	-	7	2724	5.72
LOC_Os04g59400.1	expressed protein	Chr4	35317094	35324442	+	3	4008	5.73
LOC_Os04g57780.1	tetratricopeptide repeat domain containing protein, expressed	Chr4	34410425	34413187	-	5	1222	5.73
LOC_Os12g42070.1	OsWAK129b - OsWAK receptor-like protein kinase, expressed	Chr12	26093652	26097726	+	6	3017	5.73
LOC_Os01g32880.1	AP-3 complex subunit delta, putative, expressed	Chr1	18051517	18054939	+	1	3455	5.73
LOC_Os03g29740.1	LSM domain containing protein, expressed	Chr3	16941146	16943327	+	4	613	5.73
LOC_Os04g56800.1	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr4	33873455	33876112	-	3	801	5.73
LOC_Os03g46640.1	deoxyuridine 5-triphosphate nucleotidohydrolase, putative, expressed	Chr3	26396243	26397459	-	3	1129	5.73
LOC_Os03g22400.1	ulp1 protease family protein, putative, expressed	Chr3	12823585	12828278	-	9	2304	5.73
LOC_Os03g49750.1	protein kinase family protein, putative, expressed	Chr3	28314271	28319959	+	6	3181	5.73
LOC_Os01g48280.2	ubiquitin-conjugating enzyme, putative, expressed	Chr1	27668390	27669768	-	4	1079	5.73
LOC_Os07g10530.1	carboxyl-terminal peptidase, putative, expressed	Chr7	5682011	5685298	+	7	2069	5.73
LOC_Os03g10110.1	cupin domain containing protein, expressed	Chr3	5116235	5119702	+	5	3143	5.73
LOC_Os01g70390.1	expressed protein	Chr1	40780344	40784885	+	16	2774	5.73
LOC_Os08g32570.1	expressed protein	Chr8	20171194	20174672	+	3	2802	5.73
LOC_Os06g43250.1	expressed protein	Chr6	25990413	25993227	+	10	1566	5.73
LOC_Os07g01114.1	expressed protein	Chr7	66665	67808	-	2	1121	5.73
LOC_Os02g47744.4	MYB family transcription factor, putative, expressed	Chr2	29190345	29195573	+	3	869	5.73
LOC_Os06g30710.3	DGCR14, putative, expressed	Chr6	17812058	17816172	+	2	2189	5.74
LOC_Os11g37070.2	expressed protein	Chr11	21883168	21888749	-	2	1681	5.74
LOC_Os04g36630.1	expressed protein	Chr4	22095006	22097462	-	2	1644	5.74
LOC_Os03g05806.1	pseudouridine synthase family protein, putative, expressed	Chr3	2901596	2906614	+	8	3502	5.74
LOC_Os03g22400.2	ulp1 protease family protein, putative, expressed	Chr3	12823585	12828278	-	8	2531	5.74
LOC_Os02g42300.1	expressed protein	Chr2	25435053	25439436	+	4	3131	5.74
LOC_Os09g28610.1	protein transport protein, putative, expressed	Chr9	17405811	17413209	+	14	3088	5.74
LOC_Os02g42314.2	ubiquitin-conjugating enzyme, putative, expressed	Chr2	25450214	25454110	-	6	1182	5.74
LOC_Os05g51190.5	protein kinase family protein, putative, expressed	Chr5	29359911	29364121	-	8	3518	5.74
LOC_Os05g51190.4	protein kinase family protein, putative, expressed	Chr5	29359911	29364695	-	8	3598	5.74
LOC_Os05g51190.3	protein kinase family protein, putative, expressed	Chr5	29359911	29364139	-	6	3864	5.74
LOC_Os03g60610.2	SEC14 cytosolic factor family protein, putative, expressed	Chr3	34439354	34444433	-	7	2678	5.74
LOC_Os03g60610.1	SEC14 cytosolic factor family protein, putative, expressed	Chr3	34439354	34444441	-	7	2641	5.74
LOC_Os03g60610.3	SEC14 cytosolic factor family protein, putative, expressed	Chr3	34439354	34444433	-	7	2637	5.74
LOC_Os12g31640.2	vacuolar protein sorting-associated protein 26, putative, expressed	Chr12	19055878	19060976	+	10	1679	5.74
LOC_Os02g42850.2	MYB family transcription factor, putative, expressed	Chr2	25759839	25763028	+	3	1554	5.74
LOC_Os02g42850.1	MYB family transcription factor, putative, expressed	Chr2	25759840	25763028	+	2	1864	5.74
LOC_Os06g17390.1	auxin-independent growth promoter protein, putative, expressed	Chr6	10082202	10087094	-	8	3328	5.74
LOC_Os07g40940.1	X8 domain containing protein, expressed	Chr7	24505166	24508963	+	4	1691	5.74
LOC_Os04g35300.1	SLL1 protein, putative, expressed	Chr4	21466485	21468612	-	2	781	5.74
LOC_Os01g70330.1	prefoldin subunit family protein, expressed	Chr1	40739077	40743760	+	11	2184	5.74
LOC_Os01g70330.2	prefoldin subunit family protein, expressed	Chr1	40739117	40743760	+	11	2134	5.74
LOC_Os06g08910.1	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4490176	4493909	-	5	2150	5.75
LOC_Os09g20430.1	SCO1 protein homolog, mitochondrial precursor, putative, expressed	Chr9	12289592	12294955	-	8	1843	5.75
LOC_Os12g21930.2	PPR repeat containing protein, expressed	Chr12	12349459	12352302	+	2	1946	5.75
LOC_Os12g06070.1	expressed protein	Chr12	2830044	2831936	+	1	1925	5.75
LOC_Os03g53300.2	expressed protein	Chr3	30593564	30596059	+	7	1398	5.75

LOC_Os01g01070.3	expressed protein	Chr1	29818	33943 +	13	1785	5.75
LOC_Os08g03430.1	extracellular ligand-gated ion channel, putative, expressed	Chr8	1606299	1609518 +	4	2065	5.75
LOC_Os05g45830.1	expressed protein	Chr5	26544658	26552137 -	11	3410	5.75
LOC_Os07g10690.6	NLI interacting factor-like phosphatase, putative, expressed	Chr7	5805379	5810527 +	7	2055	5.75
LOC_Os07g10690.7	NLI interacting factor-like phosphatase, putative, expressed	Chr7	5805373	5810527 +	7	2037	5.75
LOC_Os09g33580.2	BEE 1, putative, expressed	Chr9	19812623	19815196 -	8	1715	5.75
LOC_Os09g33580.1	BEE 1, putative, expressed	Chr9	19812678	19815196 -	8	1657	5.75
LOC_Os02g09340.1	expressed protein	Chr2	4802880	4806459 -	2	3079	5.75
LOC_Os06g33320.1	extra-large G-protein-related, putative, expressed	Chr6	19401016	19406760 +	5	3288	5.75
LOC_Os02g37910.1	expressed protein	Chr2	22910959	22915808 -	9	2250	5.75
LOC_Os07g19540.1	expressed protein	Chr7	11582843	11584816 +	5	911	5.75
LOC_Os01g42510.1	expressed protein	Chr1	24168245	24171441 -	5	921	5.75
LOC_Os06g08910.3	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4490176	4493930 -	5	2206	5.75
LOC_Os05g33644.1	inosine-uridine preferring nucleoside hydrolase family protein, putative, expressed	Chr5	19794800	19805637 -	13	3116	5.75
LOC_Os02g39410.1	protein phosphatase 2C, putative, expressed	Chr2	23776248	23782298 -	10	2575	5.75
LOC_Os04g12480.1	pumilio-family RNA binding repeat containing protein, expressed	Chr4	6902844	6909634 -	10	2769	5.75
LOC_Os12g21930.1	PPR repeat containing protein, expressed	Chr12	12349459	12352410 +	3	2012	5.75
LOC_Os04g41910.2	RNA recognition motif containing protein, putative, expressed	Chr4	24834401	24839155 +	12	1990	5.75
LOC_Os10g21890.2	glycosyl transferase family 8, putative, expressed	Chr10	11250924	11255589 +	9	2950	5.76
LOC_Os08g20680.1	expressed protein	Chr8	12430023	12431050 -	1	1060	5.76
LOC_Os03g60880.2	nucleobase-ascorbate transporter, putative, expressed	Chr3	34597393	34601212 -	15	2497	5.76
LOC_Os03g53300.1	expressed protein	Chr3	30593465	30596059 +	7	1416	5.76
LOC_Os08g15060.1	ATP binding protein, putative, expressed	Chr8	9101238	9105746 -	11	2894	5.76
LOC_Os07g20150.1	expressed protein	Chr7	11632040	11636658 -	14	2015	5.76
LOC_Os06g03970.1	receptor-like protein kinase 5 precursor, putative, expressed	Chr6	1605460	1612409 +	26	4628	5.76
LOC_Os08g40580.2	methyltransferase domain containing protein, expressed	Chr8	25687727	25690627 -	9	1258	5.76
LOC_Os03g60810.1	lectin-like receptor kinase, putative, expressed	Chr3	34544837	34548110 -	1	3306	5.76
LOC_Os10g42170.1	GTPase of unknown function domain containing protein, putative, expressed	Chr10	22680086	22682202 +	8	1371	5.76
LOC_Os01g70460.2	expressed protein	Chr1	40807102	40808500 +	4	896	5.76
LOC_Os07g48850.2	PPR repeat containing protein, expressed	Chr7	29227754	29232760 -	4	3634	5.76
LOC_Os02g21630.1	SEC14 cytosolic factor family protein, putative, expressed	Chr2	12846471	12851443 +	7	1813	5.76
LOC_Os11g25920.1	transcription factor-related, putative, expressed	Chr11	14785152	14789879 +	9	1731	5.76
LOC_Os03g59580.1	hydrolase, NUDIX family, domain containing protein, expressed	Chr3	33916812	33921098 -	4	1198	5.76
LOC_Os03g10340.1	40S ribosomal protein S3a, putative, expressed	Chr3	5274923	5278012 +	6	2106	5.76
LOC_Os01g70950.1	spermatogenesis-associated protein 20 precursor, putative, expressed	Chr1	41066583	41070764 -	7	2861	5.76
LOC_Os01g70950.2	spermatogenesis-associated protein 20 precursor, putative, expressed	Chr1	41066583	41070764 -	7	2883	5.76
LOC_Os11g01530.2	ferritin-1, chloroplast precursor, putative, expressed	Chr11	305062	307728 -	7	1547	5.76
LOC_Os04g30910.1	SAM domain family protein, expressed	Chr4	18468228	18473269 +	5	1353	5.77
LOC_Os08g03420.2	kelch repeat protein, putative, expressed	Chr8	1600716	1604906 +	8	2244	5.77
LOC_Os08g03420.1	kelch repeat protein, putative, expressed	Chr8	1600716	1604906 +	8	2253	5.77
LOC_Os08g03420.4	kelch repeat protein, putative, expressed	Chr8	1600716	1604906 +	7	2284	5.77
LOC_Os09g35890.1	kinesin motor domain containing protein, expressed	Chr9	20654707	20659187 +	14	3447	5.77
LOC_Os07g29780.2	ATROPGEF7/ROPGEF7, putative, expressed	Chr7	17505866	17508816 -	8	2396	5.77
LOC_Os03g10500.1	adenylyl-sulfate kinase, putative, expressed	Chr3	5341101	5347082 -	7	1599	5.77
LOC_Os03g49485.1	expressed protein	Chr3	28163600	28164465 -	1	898	5.77

LOC_Os02g43010.1	vacuolar-processing enzyme precursor, putative, expressed	Chr2	25890441	25895244	-	9	2218	5.77
LOC_Os01g42720.1	expressed protein	Chr1	24300144	24301233	+	4	903	5.77
LOC_Os01g68790.2	RNA recognition motif containing protein, putative, expressed	Chr1	39954529	39956523	+	5	1316	5.77
LOC_Os05g43970.1	heat- and acid-stable phosphoprotein, putative, expressed	Chr5	25582055	25586620	+	7	1610	5.77
LOC_Os12g40920.1	bZIP transcription factor domain containing protein, expressed	Chr12	25330650	25336551	+	6	1604	5.77
LOC_Os10g21890.1	glycosyl transferase family 8, putative, expressed	Chr10	11250877	11255589	+	10	3100	5.77
LOC_Os01g54424.1	expressed protein	Chr1	31313396	31317560	-	4	1649	5.77
LOC_Os09g30100.1	NOL1/NOP2/sun family protein, putative, expressed	Chr9	18293017	18300993	+	21	2536	5.77
LOC_Os12g21930.3	PPR repeat containing protein, expressed	Chr12	12349459	12353649	+	3	2219	5.77
LOC_Os02g49320.1	sucrase-related, putative, expressed	Chr2	30139655	30143452	-	5	1870	5.77
LOC_Os01g68790.3	RNA recognition motif containing protein, putative, expressed	Chr1	39954529	39956684	+	5	1293	5.77
LOC_Os02g16450.1	expressed protein	Chr2	9390823	9393829	-	2	2082	5.77
LOC_Os02g42374.3	e2f-associated phosphoprotein, putative, expressed	Chr2	25493119	25494117	+	1	1031	5.77
LOC_Os01g51754.1	alpha-amylase precursor, putative, expressed	Chr1	29760719	29770037	+	11	4760	5.77
LOC_Os03g61330.1	fumarylacetoacetase, putative, expressed	Chr3	34817125	34820371	-	8	1365	5.78
LOC_Os09g36130.1	expressed protein	Chr9	20799135	20802933	-	12	1906	5.78
LOC_Os04g44590.1	expressed protein	Chr4	26387544	26391274	+	4	1063	5.78
LOC_Os07g38610.1	UAA transporter family domain containing protein, expressed	Chr7	23187292	23192344	-	15	2308	5.78
LOC_Os07g06440.1	deoxyribonuclease tatD, putative, expressed	Chr7	3118815	3122518	+	12	1623	5.78
LOC_Os09g35890.2	kinesin motor domain containing protein, expressed	Chr9	20654707	20659187	+	13	3545	5.78
LOC_Os01g02770.1	resistance-related receptor-like kinase, putative, expressed	Chr1	961681	965151	+	3	2088	5.78
LOC_Os09g11240.1	expressed protein	Chr9	6243180	6245977	+	2	1016	5.78
LOC_Os02g43010.2	vacuolar-processing enzyme precursor, putative, expressed	Chr2	25890445	25895244	-	8	2327	5.78
LOC_Os08g27030.2	lipid phosphatase protein, putative, expressed	Chr8	16513732	16517661	-	8	1624	5.78
LOC_Os08g27030.1	lipid phosphatase protein, putative, expressed	Chr8	16513726	16517896	-	9	1728	5.78
LOC_Os01g26920.2	expressed protein	Chr1	14993201	14998107	-	9	1643	5.78
LOC_Os07g13980.1	glucose-1-phosphate adenylyltransferase large subunit, putative, expressed	Chr7	7982501	7989283	-	16	3265	5.78
LOC_Os03g34040.2	ribosomal protein, putative, expressed	Chr3	19412908	19417098	-	3	1392	5.78
LOC_Os06g28740.1	expressed protein	Chr6	16363079	16366463	-	7	1463	5.78
LOC_Os09g02284.1	DNA-directed RNA polymerase subunit, putative, expressed	Chr9	927068	934087	+	3	1841	5.78
LOC_Os03g21020.1	RNA recognition motif containing protein, putative, expressed	Chr3	11924468	11929717	-	12	2183	5.78
LOC_Os12g40920.4	bZIP transcription factor domain containing protein, expressed	Chr12	25332774	25336474	+	6	2067	5.78
LOC_Os12g40920.3	bZIP transcription factor domain containing protein, expressed	Chr12	25332774	25336474	+	5	2344	5.78
LOC_Os04g33050.1	HIRAN domain containing protein, putative, expressed	Chr4	20009913	20015529	+	12	3672	5.78
LOC_Os11g01530.1	ferritin-1, chloroplast precursor, putative, expressed	Chr11	304967	307931	-	8	1752	5.78
LOC_Os04g59320.1	protein kinase domain containing protein, expressed	Chr4	35270952	35276805	+	9	3044	5.78
LOC_Os06g07960.1	cystathionine gamma-synthase, putative, expressed	Chr6	3823413	3827346	+	11	1738	5.78
LOC_Os09g14680.1	expressed protein	Chr9	8710149	8716892	-	8	1994	5.78
LOC_Os01g07420.1	hydrolase, alpha/beta fold family protein, putative, expressed	Chr1	3516658	3519175	-	4	1647	5.78
LOC_Os11g35060.1	agenet domain containing protein, expressed	Chr11	20540287	20544620	+	6	2580	5.79
LOC_Os03g59240.1	carboxyl-terminal peptidase, putative, expressed	Chr3	33731404	33735208	+	7	2277	5.79
LOC_Os06g07860.1	cystathionine gamma-synthase, putative, expressed	Chr6	3823021	3827411	+	12	2138	5.79
LOC_Os09g26580.1	expressed protein	Chr9	16097465	16102821	+	10	2699	5.79
LOC_Os09g38980.1	T-complex protein, putative, expressed	Chr9	22382924	22387028	+	8	2643	5.79
LOC_Os09g38980.2	T-complex protein, putative, expressed	Chr9	22382924	22387041	+	7	2832	5.79

LOC_Os02g57140.1	expressed protein	Chr2	34991200	34996641 +	6	3784	5.79
LOC_Os02g57140.3	expressed protein	Chr2	34991250	34996641 +	5	3836	5.79
LOC_Os10g33790.1	expressed protein	Chr10	17905866	17910800 -	10	1783	5.79
LOC_Os01g43230.1	expressed protein	Chr1	24695808	24697913 -	2	1616	5.79
LOC_Os06g35470.1	L1P family of ribosomal proteins domain containing protein, expressed	Chr6	20666494	20673768 +	10	2067	5.79
LOC_Os01g66890.2	BTBZ1 - Bric-a-Brac, Tramtrack, and Broad Complex BTB domain with TAZ zinc finger and Calmod	Chr1	38843729	38846536 +	5	2261	5.79
LOC_Os09g36890.1	hydroxyproline-rich glycoprotein family protein, putative, expressed	Chr9	21274719	21276307 -	1	1621	5.79
LOC_Os11g32160.1	expressed protein	Chr11	18981895	18987922 +	9	1366	5.79
LOC_Os05g37970.4	universal stress protein domain containing protein, putative, expressed	Chr5	22276282	22279209 +	4	1345	5.79
LOC_Os05g37970.2	universal stress protein domain containing protein, putative, expressed	Chr5	22276282	22279209 +	4	1465	5.79
LOC_Os05g37970.3	universal stress protein domain containing protein, putative, expressed	Chr5	22276046	22279209 +	4	1683	5.79
LOC_Os01g59490.1	FAD dependent oxidoreductase domain containing protein, expressed	Chr1	34406376	34409218 +	5	1763	5.79
LOC_Os02g32460.1	ThiF family domain containing protein, putative, expressed	Chr2	19192500	19197127 +	11	2095	5.79
LOC_Os05g44810.2	OslAA18 - Auxin-responsive Aux/IAA gene family member, expressed	Chr5	26052916	26056268 -	7	1577	5.80
LOC_Os05g44810.3	OslAA18 - Auxin-responsive Aux/IAA gene family member, expressed	Chr5	26052916	26056268 -	7	1557	5.80
LOC_Os05g06490.1	RNA polymerase Rpb7, N-terminal domain containing protein, expressed	Chr5	3342054	3344599 +	2	1034	5.80
LOC_Os02g27000.1	ATP-binding region, ATPase-like domain containing protein, expressed	Chr2	15865332	15876489 +	20	3707	5.80
LOC_Os03g19270.3	universal stress protein domain containing protein, putative, expressed	Chr3	10839450	10840785 -	4	1137	5.80
LOC_Os03g19270.2	universal stress protein domain containing protein, putative, expressed	Chr3	10839450	10840785 -	4	1146	5.80
LOC_Os03g27003.2	expressed protein	Chr3	15453264	15456412 +	2	1406	5.80
LOC_Os03g60880.1	nucleobase-ascorbate transporter, putative, expressed	Chr3	34597354	34601212 -	14	2577	5.80
LOC_Os03g60880.5	nucleobase-ascorbate transporter, putative, expressed	Chr3	34597354	34601212 -	13	2636	5.80
LOC_Os03g60880.3	nucleobase-ascorbate transporter, putative, expressed	Chr3	34597354	34601212 -	13	2643	5.80
LOC_Os03g46480.2	ranBP1 domain containing protein, expressed	Chr3	26293200	26298495 -	10	2111	5.80
LOC_Os02g20160.1	PPR repeat domain containing protein, putative, expressed	Chr2	11876336	11879831 +	3	3216	5.80
LOC_Os07g08030.1	ribose-5-phosphate isomerase A, putative, expressed	Chr7	4068002	4070237 -	2	1246	5.80
LOC_Os08g13469.1	expressed protein	Chr8	8018574	8021718 +	3	2367	5.80
LOC_Os06g30710.1	DGCR14, putative, expressed	Chr6	17812085	17816172 +	3	2260	5.80
LOC_Os08g12780.3	chloroplast envelope membrane protein, putative, expressed	Chr8	7568534	7574295 -	9	2776	5.80
LOC_Os08g12780.2	chloroplast envelope membrane protein, putative, expressed	Chr8	7568534	7574295 -	9	2781	5.80
LOC_Os01g26920.1	expressed protein	Chr1	14993201	14998107 -	9	1692	5.80
LOC_Os04g17660.1	rhodanese-like domain containing protein, putative, expressed	Chr4	9671244	9674147 -	6	1151	5.80
LOC_Os04g17660.2	rhodanese-like domain containing protein, putative, expressed	Chr4	9671230	9674123 -	5	1217	5.80
LOC_Os10g33790.2	expressed protein	Chr10	17905866	17910800 -	10	1819	5.80
LOC_Os05g43970.2	heat- and acid-stable phosphoprotein, putative, expressed	Chr5	25582055	25586608 +	7	1513	5.80
LOC_Os07g09610.1	CAMK_KIN1/SNF1/Nim1_like_AMPKh.1 - CAMK includes calcium/calmodulin depeudent protein k	Chr7	5102509	5107298 +	9	2156	5.80
LOC_Os07g30800.1	immunophilin, putative, expressed	Chr7	18228560	18232364 +	7	1457	5.80
LOC_Os12g19180.1	ATP binding protein, putative, expressed	Chr12	11137921	11141605 +	7	2502	5.80
LOC_Os08g04280.1	actin, putative, expressed	Chr8	2084554	2093718 +	20	2713	5.80
LOC_Os08g04280.2	actin, putative, expressed	Chr8	2084554	2093718 +	20	2697	5.80
LOC_Os11g02450.1	elongation factor P, putative, expressed	Chr11	734246	737188 +	7	1177	5.80
LOC_Os02g55880.1	EF hand family protein, putative, expressed	Chr2	34206868	34209854 -	6	1359	5.80
LOC_Os03g24600.1	peptide methionine sulfoxide reductase msrB, putative, expressed	Chr3	14010165	14013832 +	3	875	5.80
LOC_Os09g32090.2	methyl-binding domain protein MBD, putative, expressed	Chr9	19152100	19155881 -	4	1449	5.81
LOC_Os11g37260.1	SEY1, putative, expressed	Chr11	22003368	22010520 +	22	3601	5.81

LOC_Os03g63074.3	Ser/Thr protein phosphatase family protein, expressed	Chr3	35659840	35663960 -	2	4091	5.81
LOC_Os03g45970.1	expressed protein	Chr3	25978468	25990239 -	10	2833	5.81
LOC_Os05g03070.1	transporter, putative, expressed	Chr5	1198628	1201047 -	4	2202	5.81
LOC_Os02g38200.1	dehydrogenase, putative, expressed	Chr2	23106931	23110390 -	4	1762	5.81
LOC_Os07g43950.1	RNA recognition motif containing protein, putative, expressed	Chr7	26265494	26268673 +	6	1283	5.81
LOC_Os03g46480.1	ranBP1 domain containing protein, expressed	Chr3	26293200	26298532 -	10	2195	5.81
LOC_Os01g07900.1	expressed protein	Chr1	3819067	3819782 -	1	748	5.81
LOC_Os02g56900.1	thioredoxin family protein, putative, expressed	Chr2	34879480	34881094 -	3	1518	5.81
LOC_Os01g60290.1	expressed protein	Chr1	34885348	34888692 -	2	540	5.81
LOC_Os01g50030.1	CPuORF25 - conserved peptide uORF-containing transcript, expressed	Chr1	28739987	28744762 +	12	2421	5.81
LOC_Os07g25500.1	pentatricopeptide, putative, expressed	Chr7	14606244	14609276 +	2	1854	5.81
LOC_Os03g58080.1	BT1 family protein, putative, expressed	Chr3	33065377	33070874 -	9	2553	5.81
LOC_Os01g07570.1	carboxyl-terminal proteinase, putative, expressed	Chr1	3633275	3639164 -	7	2187	5.82
LOC_Os02g34990.1	ACT domain containing protein, putative, expressed	Chr2	20989673	20994251 +	9	2724	5.82
LOC_Os01g02170.2	expressed protein	Chr1	634011	639309 -	2	3745	5.82
LOC_Os01g74152.1	haloacid dehalogenase-like hydrolase family protein, putative, expressed	Chr1	42954163	42956646 +	9	1608	5.82
LOC_Os04g53200.2	exonuclease, putative, expressed	Chr4	31680924	31683944 -	4	1556	5.82
LOC_Os06g48534.1	GATA transcription factor 25, putative, expressed	Chr6	29365981	29370366 -	7	1483	5.82
LOC_Os07g29420.3	DNA-directed RNA polymerase III subunit RPC8, putative, expressed	Chr7	17270515	17274278 -	8	1620	5.82
LOC_Os07g29420.1	DNA-directed RNA polymerase III subunit RPC8, putative, expressed	Chr7	17270515	17274278 -	8	1625	5.82
LOC_Os07g29420.4	DNA-directed RNA polymerase III subunit RPC8, putative, expressed	Chr7	17270515	17274278 -	8	1669	5.82
LOC_Os01g21940.1	WD domain, G-beta repeat domain containing protein, expressed	Chr1	12303170	12309435 -	15	2489	5.82
LOC_Os09g29950.3	OsPOP19 - Putative Prolyl Oligopeptidase homologue, expressed	Chr9	18223857	18230942 -	14	3500	5.82
LOC_Os01g52250.3	starch synthase, putative, expressed	Chr1	30031014	30041476 -	17	4996	5.82
LOC_Os01g52250.2	starch synthase, putative, expressed	Chr1	30030997	30041476 -	17	5385	5.82
LOC_Os01g52250.5	starch synthase, putative, expressed	Chr1	30030997	30041476 -	16	5594	5.82
LOC_Os01g52250.4	starch synthase, putative, expressed	Chr1	30030997	30041476 -	16	5596	5.82
LOC_Os01g52250.1	starch synthase, putative, expressed	Chr1	30030997	30041476 -	16	5605	5.82
LOC_Os08g12840.1	FabA-like domain containing protein, expressed	Chr8	7610695	7614807 -	8	1312	5.82
LOC_Os11g26594.2	expressed protein	Chr11	15236666	15239268 +	1	2635	5.82
LOC_Os07g29780.1	ATROPGEF7/ROPGEF7, putative, expressed	Chr7	17505856	17508816 -	7	2443	5.83
LOC_Os01g52250.6	starch synthase, putative, expressed	Chr1	30030997	30041476 -	15	5643	5.83
LOC_Os06g42850.1	extracellular ligand-gated ion channel, putative, expressed	Chr6	25747063	25749944 -	3	2057	5.83
LOC_Os03g11510.1	mitochondrial carrier protein, putative, expressed	Chr3	5960793	5964746 -	9	1963	5.83
LOC_Os03g13010.1	U-box domain containing protein, expressed	Chr3	7029149	7031702 -	1	2586	5.83
LOC_Os09g32274.1	30S ribosomal protein S16, putative, expressed	Chr9	19265965	19267681 +	3	892	5.83
LOC_Os09g36920.1	la domain containing protein, putative, expressed	Chr9	21299921	21304309 -	7	2297	5.83
LOC_Os04g12560.1	receptor-like protein kinase, putative, expressed	Chr4	6955305	6957924 -	1	2652	5.83
LOC_Os01g56470.1	mal d 1-associated protein, putative, expressed	Chr1	32543304	32545209 +	2	1045	5.83
LOC_Os01g25270.1	pentatricopeptide repeat protein PPR986-12, putative, expressed	Chr1	14264078	14267208 +	1	3163	5.83
LOC_Os09g21250.1	expressed protein	Chr9	12825719	12828237 +	5	1245	5.83
LOC_Os04g57140.2	kinesin motor domain containing protein, putative, expressed	Chr4	34039969	34050200 -	23	5582	5.83
LOC_Os05g47545.1	expressed protein	Chr5	27229582	27233386 -	13	1892	5.83
LOC_Os09g35920.1	mediator of RNA polymerase II transcription subunit 10, putative, expressed	Chr9	20673831	20678640 -	6	3302	5.83
LOC_Os02g47610.1	nmrA-like family domain containing protein, expressed	Chr2	29094969	29097451 -	5	1392	5.83

LOC_Os08g41680.1	expressed protein	Chr8	26312540	26313853 -	2	660	5.84
LOC_Os08g32500.1	nucleobase-ascorbate transporter, putative, expressed	Chr8	20129190	20133667 +	14	3267	5.84
LOC_Os04g08190.1	expressed protein	Chr4	4353140	4355614 +	1	2507	5.84
LOC_Os03g15033.1	expressed protein	Chr3	8207583	8211913 -	5	1642	5.84
LOC_Os04g57140.1	kinesin motor domain containing protein, putative, expressed	Chr4	34039969	34050200 -	22	6226	5.84
LOC_Os07g20420.1	tetratricopeptide-like helical, putative, expressed	Chr7	11788919	11792494 -	2	2465	5.84
LOC_Os03g14334.1	expressed protein	Chr3	7800194	7801862 +	1	1701	5.84
LOC_Os11g28350.1	CDK-activating kinase assembly factor MAT1 family protein, expressed	Chr11	16309611	16312118 -	5	1301	5.84
LOC_Os06g04970.1	expressed protein	Chr6	2189913	2194838 +	16	2923	5.84
LOC_Os02g17970.2	AGC_PKA/PKG_like.1 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr2	10419062	10428060 +	15	4772	5.84
LOC_Os09g39910.1	ABC transporter, ATP-binding protein, putative, expressed	Chr9	22883038	22887592 -	6	2752	5.84
LOC_Os09g39910.2	ABC transporter, ATP-binding protein, putative, expressed	Chr9	22883038	22887564 -	6	2727	5.84
LOC_Os07g06060.1	expressed protein	Chr7	2940292	2942825 -	4	888	5.84
LOC_Os01g07950.1	OsGrx_S15.2 - glutaredoxin subgroup II, expressed	Chr1	3842753	3845541 +	7	1250	5.84
LOC_Os08g02190.1	expressed protein	Chr8	740821	745515 -	9	2301	5.84
LOC_Os01g05940.1	receptor kinase, putative, expressed	Chr1	2830325	2836425 +	8	4489	5.84
LOC_Os09g31040.1	EF hand family protein, putative, expressed	Chr9	18672137	18673106 +	1	1002	5.84
LOC_Os09g39910.3	ABC transporter, ATP-binding protein, putative, expressed	Chr9	22883045	22887564 -	5	2775	5.84
LOC_Os03g15960.1	hsp20/alpha crystallin family protein, putative, expressed	Chr3	8805567	8806601 +	1	1067	5.85
LOC_Os03g15960.2	hsp20/alpha crystallin family protein, putative, expressed	Chr3	8805567	8806601 +	2	1057	5.85
LOC_Os03g63999.1	expressed protein	Chr3	36171632	36172326 +	1	727	5.85
LOC_Os05g40990.1	NADH-cytochrome b5 reductase, putative, expressed	Chr5	24027775	24030928 +	9	1769	5.85
LOC_Os03g19270.1	universal stress protein domain containing protein, putative, expressed	Chr3	10839437	10840785 -	4	1186	5.85
LOC_Os02g25060.2	NTMC2Type1.2 protein, putative, expressed	Chr2	14531003	14537503 -	12	2517	5.85
LOC_Os04g53350.1	expressed protein	Chr4	31768908	31773173 -	3	2834	5.85
LOC_Os03g20100.1	S1 RNA binding domain containing protein, expressed	Chr3	11351431	11355773 -	7	1813	5.85
LOC_Os06g46060.1	expressed protein	Chr6	27923524	27926280 -	1	2789	5.85
LOC_Os10g42754.1	expressed protein	Chr10	23066471	23069754 -	6	1665	5.85
LOC_Os03g44780.1	elongation factor Tu family protein, putative, expressed	Chr3	25250967	25254323 +	1	3389	5.85
LOC_Os02g02424.3	ZOS2-02 - C2H2 zinc finger protein, expressed	Chr2	853767	857136 -	6	1782	5.85
LOC_Os08g43230.1	TraB family protein, putative, expressed	Chr8	27329441	27331356 +	7	1466	5.85
LOC_Os05g36960.1	protein kinase, putative, expressed	Chr5	21587642	21593417 +	14	3807	5.85
LOC_Os07g05740.1	receptor-like protein kinase 2 precursor, putative, expressed	Chr7	2757219	2761922 -	3	4259	5.85
LOC_Os01g68480.1	thioredoxin, putative, expressed	Chr1	39794226	39795811 +	3	1366	5.85
LOC_Os01g68700.1	BHLH transcription factor, putative, expressed	Chr1	39894642	39897761 -	8	2688	5.85
LOC_Os01g68700.2	BHLH transcription factor, putative, expressed	Chr1	39894642	39897761 -	8	2684	5.85
LOC_Os07g44940.1	ATP12 ATPase, putative, expressed	Chr7	26806422	26809063 -	4	1337	5.85
LOC_Os02g56880.1	transcriptional corepressor LEUNIG, putative, expressed	Chr2	34862547	34872882 -	18	3732	5.85
LOC_Os09g24710.1	alpha/beta hydrolase fold, putative, expressed	Chr9	14711584	14716679 +	4	1629	5.85
LOC_Os01g04490.1	Ser/Thr protein kinase, putative, expressed	Chr1	1998427	2002855 +	5	1894	5.85
LOC_Os10g33960.4	START domain containing protein, expressed	Chr10	18085536	18092499 +	13	2500	5.86
LOC_Os04g37950.1	ubiquitin carboxyl-terminal hydrolase domain containing protein, expressed	Chr4	22567318	22573600 -	6	2202	5.86
LOC_Os09g23334.1	expressed protein	Chr9	13850911	13854115 +	3	959	5.86
LOC_Os09g24240.1	pentatricopeptide, putative, expressed	Chr9	14390145	14392934 -	1	2822	5.86
LOC_Os01g08880.1	expressed protein	Chr1	4454755	4457084 -	6	861	5.86

LOC_Os03g07220.1	PPR repeat domain containing protein, putative, expressed	Chr3	3690005	3694437 +	5	4174	5.86
LOC_Os03g41229.2	expressed protein	Chr3	22930270	22937157 +	10	2033	5.86
LOC_Os07g35060.2	OsFBX238 - F-box domain containing protein, expressed	Chr7	21002829	21004747 +	2	1782	5.86
LOC_Os07g35060.1	OsFBX238 - F-box domain containing protein, expressed	Chr7	21002829	21004747 +	2	1801	5.86
LOC_Os05g32474.1	expressed protein	Chr5	18969220	18970726 -	1	1539	5.86
LOC_Os06g16420.1	amino acid transporter, putative, expressed	Chr6	9396130	9399130 +	5	2214	5.86
LOC_Os06g16420.3	amino acid transporter, putative, expressed	Chr6	9396149	9399130 +	4	2332	5.86
LOC_Os06g16420.2	amino acid transporter, putative, expressed	Chr6	9396130	9399130 +	4	2441	5.86
LOC_Os08g32880.1	disease resistance protein RPM1, putative, expressed	Chr8	20389564	20392287 +	1	2756	5.86
LOC_Os05g46320.1	OsFBX173 - F-box domain containing protein, expressed	Chr5	26846082	26847985 -	1	1936	5.86
LOC_Os09g24710.2	alpha/beta hydrolase fold, putative, expressed	Chr9	14711584	14716765 +	5	1682	5.86
LOC_Os07g25450.1	histone-lysine N-methyltransferase, putative, expressed	Chr7	14563261	14570225 +	2	3072	5.87
LOC_Os12g05040.6	heavy-metal-associated domain-containing protein, putative, expressed	Chr12	2193733	2198850 +	9	2653	5.87
LOC_Os03g39407.1	expressed protein	Chr3	21900414	21904231 +	3	2941	5.87
LOC_Os02g06760.3	expressed protein	Chr2	3411220	3415305 +	4	680	5.87
LOC_Os04g45200.2	DNA binding protein, putative, expressed	Chr4	26716419	26719506 -	2	1482	5.87
LOC_Os07g05740.2	receptor-like protein kinase 2 precursor, putative, expressed	Chr7	2757224	2761925 -	2	4599	5.87
LOC_Os05g40320.1	PPR repeat domain containing protein, putative, expressed	Chr5	23692827	23697395 +	4	3219	5.87
LOC_Os10g37670.1	actin-depolymerizing factor, putative, expressed	Chr10	20160992	20162434 -	3	857	5.87
LOC_Os02g01940.1	transcription factor jumonji, putative, expressed	Chr2	509377	517148 -	16	3506	5.87
LOC_Os06g11140.1	pyridine nucleotide-disulphide oxidoreductase domain containing protein, expressed	Chr6	5840075	5844550 -	11	2350	5.87
LOC_Os02g12730.2	beta-galactosidase precursor, putative, expressed	Chr2	6656719	6660624 -	16	2831	5.87
LOC_Os12g07590.3	Protein-tyrosine phosphatase domain containing protein, expressed	Chr12	3792401	3797497 -	7	1450	5.87
LOC_Os03g10940.1	casein kinase II subunit alpha-2, putative, expressed	Chr3	5616047	5620727 -	10	1819	5.87
LOC_Os02g02424.1	ZOS2-02 - C2H2 zinc finger protein, expressed	Chr2	853767	859880 -	7	1822	5.88
LOC_Os06g49140.1	ribosomal RNA large subunit methyltransferase J, putative, expressed	Chr6	29782067	29784932 +	11	1651	5.88
LOC_Os10g20310.3	thioredoxin fold, putative, expressed	Chr10	10216070	10218311 -	3	1679	5.88
LOC_Os01g45070.1	peptide deformylase, putative, expressed	Chr1	25585751	25589162 -	7	1429	5.88
LOC_Os05g44810.1	OsiAA18 - Auxin-responsive Aux/IAA gene family member, expressed	Chr5	26052916	26055714 -	6	1588	5.88
LOC_Os09g29950.2	OsPOP19 - Putative Prolyl Oligopeptidase homologue, expressed	Chr9	18224585	18230942 -	12	3417	5.88
LOC_Os04g42174.1	expressed protein	Chr4	24962835	24966542 +	3	3597	5.88
LOC_Os10g36270.1	disease resistance RPP13-like protein 1, putative, expressed	Chr10	19389025	19396741 +	3	4663	5.88
LOC_Os05g37700.1	periplasmic beta-glucosidase precursor, putative, expressed	Chr5	22068489	22072900 +	8	3510	5.88
LOC_Os05g37700.2	periplasmic beta-glucosidase precursor, putative, expressed	Chr5	22068411	22072905 +	8	3576	5.88
LOC_Os06g46900.4	phosphosulfolactate synthase-related protein, putative, expressed	Chr6	28463764	28466297 +	4	1617	5.88
LOC_Os06g46900.1	phosphosulfolactate synthase-related protein, putative, expressed	Chr6	28463764	28466297 -	5	1537	5.88
LOC_Os04g01530.2	adenylate kinase, putative, expressed	Chr4	362891	367448 -	9	1500	5.88
LOC_Os12g03870.1	major facilitator superfamily antiporter, putative, expressed	Chr12	1594733	1600962 -	16	1910	5.88
LOC_Os03g51150.1	expressed protein	Chr3	29272320	29274639 -	2	2292	5.89
LOC_Os01g63710.3	CDC6 - Putative DNA replication initiation protein, expressed	Chr1	36951117	36956735 +	16	4257	5.89
LOC_Os01g01302.1	shikimate kinase, putative, expressed	Chr1	145577	147852 +	9	1443	5.89
LOC_Os12g02730.1	histidine triad family protein, putative, expressed	Chr12	964545	966927 +	4	907	5.89
LOC_Os02g51119.1	expressed protein	Chr2	31281912	31284049 -	3	1828	5.89
LOC_Os01g40980.2	helicase, putative, expressed	Chr1	23179790	23186976 -	17	3006	5.89
LOC_Os02g57140.2	expressed protein	Chr2	34991838	34996641 +	6	3964	5.89

LOC_Os08g40430.1	mTERF domain containing protein, expressed	Chr8	25588052	25590594 -	3	2333	5.89
LOC_Os01g55950.1	acetamidase, putative, expressed	Chr1	32226885	32229632 -	7	1478	5.89
LOC_Os04g43164.2	expressed protein	Chr4	25551159	25553800 -	4	1664	5.89
LOC_Os02g47640.1	OsFBT4 - F-box and tubby domain containing protein, expressed	Chr2	29108497	29112230 +	4	2656	5.89
ChrSy.fgenesh.mRNA.50	expressed protein	ChrSy	350944	352807 +	6	768	5.89
LOC_Os07g04190.1	receptor protein kinase CLAVATA1 precursor, putative, expressed	Chr7	1812193	1816108 -	2	3787	5.90
LOC_Os10g27450.2	tetrapyrrole methylase family protein, putative, expressed	Chr10	14474781	14478809 -	10	1865	5.90
LOC_Os11g03160.1	glycosyl transferase, family 8, putative, expressed	Chr11	1136056	1141411 -	9	3100	5.90
LOC_Os06g03910.1	hydrolase, NUDIX family, domain containing protein, expressed	Chr6	1574484	1577176 -	6	1487	5.90
LOC_Os09g29950.1	OsPOP19 - Putative Prolyl Oligopeptidase homologue, expressed	Chr9	18224585	18230942 -	11	3497	5.90
LOC_Os06g46900.3	phosphosulfolactate synthase-related protein, putative, expressed	Chr6	28463764	28466237 -	5	1906	5.90
LOC_Os08g33740.1	CSLA11 - cellulose synthase-like family A, expressed	Chr8	21078139	21086651 +	11	2661	5.90
LOC_Os02g35500.1	NAD binding domain of 6-phosphogluconate dehydrogenase containing protein, expressed	Chr2	21344262	21348569 +	8	1520	5.90
LOC_Os04g43164.1	expressed protein	Chr4	25551322	25553800 -	4	1506	5.90
LOC_Os01g08290.1	transmembrane protein, putative, expressed	Chr1	4063704	4066374 +	4	1836	5.90
LOC_Os08g31219.1	ribosomal protein L27, putative, expressed	Chr8	19304739	19306021 +	3	1040	5.90
LOC_Os01g36580.1	auxin-induced protein 5NG4, putative, expressed	Chr1	20299522	20302467 -	7	1673	5.90
LOC_Os03g63250.1	brefeldin A-sensitive Golgi protein-like, putative, expressed	Chr3	35736065	35741607 -	12	2989	5.90
LOC_Os02g04690.1	cycloartenol synthase, putative, expressed	Chr2	2110921	2120419 -	19	2978	5.91
LOC_Os08g28214.4	tesmin/TSO1-like CXC domain containing protein, expressed	Chr8	17214130	17221240 -	8	2548	5.91
LOC_Os08g28214.3	tesmin/TSO1-like CXC domain containing protein, expressed	Chr8	17214129	17221240 -	8	2515	5.91
LOC_Os02g06760.2	expressed protein	Chr2	3411220	3415304 +	4	708	5.91
LOC_Os02g15930.1	expressed protein	Chr2	9021454	9023139 +	2	1656	5.91
LOC_Os03g09310.1	frigida, putative, expressed	Chr3	4862183	4866739 -	3	1881	5.91
LOC_Os03g09310.2	frigida, putative, expressed	Chr3	4862184	4866739 -	2	1932	5.91
LOC_Os06g33549.1	protein phosphatase 2C, putative, expressed	Chr6	19531562	19542004 -	8	1669	5.91
LOC_Os06g10440.1	gb protein, putative, expressed	Chr6	5369569	5372876 +	6	984	5.91
LOC_Os02g39040.1	mTERF domain containing protein, expressed	Chr2	23575780	23578282 +	4	1851	5.91
LOC_Os03g59160.1	elongation factor P, putative, expressed	Chr3	33688274	33692248 -	11	1141	5.91
LOC_Os02g40500.1	OsGrx_C2.1 - glutaredoxin subgroup I, expressed	Chr2	24566319	24568216 +	4	734	5.91
LOC_Os01g67740.1	chromosome segregation protein, putative, expressed	Chr1	39365920	39374228 -	21	4765	5.91
LOC_Os05g30430.1	expressed protein	Chr5	17637784	17641319 -	4	1686	5.91
LOC_Os02g51590.1	phosphoglycerate mutase, putative, expressed	Chr2	31597624	31600640 +	9	1958	5.91
LOC_Os12g09000.1	phosphomethylpyrimidine kinase/thiamin-phosphate pyrophosphorylase, putative, expressed	Chr12	4706847	4711336 +	9	2354	5.92
LOC_Os12g09000.2	phosphomethylpyrimidine kinase/thiamin-phosphate pyrophosphorylase, putative, expressed	Chr12	4706847	4711336 +	9	2358	5.92
LOC_Os10g27450.1	tetrapyrrole methylase family protein, putative, expressed	Chr10	14474781	14478810 -	9	1935	5.92
LOC_Os03g29730.1	expressed protein	Chr3	16937580	16940919 -	9	1566	5.92
LOC_Os01g59190.1	expressed protein	Chr1	34192980	34194169 +	2	1019	5.92
LOC_Os01g16950.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr1	9690235	9692180 +	2	1590	5.92
LOC_Os05g48980.1	ras-related protein, putative, expressed	Chr5	28092825	28094580 -	2	1217	5.92
LOC_Os10g20310.2	thioredoxin fold, putative, expressed	Chr10	10216071	10218311 -	3	1744	5.92
LOC_Os11g38990.1	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr11	23212467	23217461 +	9	1384	5.92
LOC_Os06g46900.2	phosphosulfolactate synthase-related protein, putative, expressed	Chr6	28463764	28466237 -	4	2070	5.92
LOC_Os09g31220.5	expressed protein	Chr9	18779585	18782063 -	4	1429	5.92
LOC_Os11g32369.1	expressed protein	Chr11	19118531	19126775 -	10	3070	5.92

LOC_Os08g40580.4	methyltransferase domain containing protein, expressed	Chr8	25687638	25690627 -	9	1348	5.92
LOC_Os10g25130.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr10	12967817	12974250 +	15	2654	5.92
LOC_Os06g13570.1	expressed protein	Chr6	7488066	7496669 +	9	2704	5.92
LOC_Os11g38990.2	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr11	23212467	23217469 +	9	1389	5.92
LOC_Os01g62380.1	fasciclin-like arabinogalactan protein, putative, expressed	Chr1	36100441	36104293 -	1	3885	5.92
LOC_Os02g52150.2	heat shock 22 kDa protein, mitochondrial precursor, putative, expressed	Chr2	31920854	31922712 +	2	1818	5.92
LOC_Os02g52150.1	heat shock 22 kDa protein, mitochondrial precursor, putative, expressed	Chr2	31920854	31922712 +	2	1821	5.92
LOC_Os05g30430.2	expressed protein	Chr5	17637782	17641309 -	3	1737	5.92
LOC_Os01g51700.1	ras-related protein, putative, expressed	Chr1	29730128	29735114 -	7	1309	5.92
LOC_Os01g10860.1	expressed protein	Chr1	5794747	5797674 -	5	1271	5.92
LOC_Os09g27580.3	potassium transporter, putative, expressed	Chr9	16755806	16759577 +	8	2608	5.93
LOC_Os08g40580.1	methyltransferase domain containing protein, expressed	Chr8	25687620	25690627 -	9	1370	5.93
LOC_Os05g02400.1	RNA recognition motif containing protein, expressed	Chr5	788617	791711 -	4	2017	5.93
LOC_Os07g04200.1	bacterial transferase hexapeptide domain containing protein, expressed	Chr7	1832931	1835739 -	10	1555	5.93
LOC_Os05g50190.1	protein kinase domain containing protein, expressed	Chr5	28760152	28763886 -	6	1993	5.93
LOC_Os05g49610.1	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr5	28464100	28466023 +	1	1956	5.93
LOC_Os05g34800.1	expressed protein	Chr5	20648285	20650530 -	1	2278	5.93
LOC_Os07g48520.2	gamete-specific hydroxyproline-rich glycoprotein a2, putative, expressed	Chr7	29024590	29029437 +	4	4549	5.93
LOC_Os05g46200.3	beta-galactosidase 8 precursor, putative, expressed	Chr5	26794369	26801505 -	19	3370	5.93
LOC_Os05g46200.1	beta-galactosidase 8 precursor, putative, expressed	Chr5	26794369	26801505 -	19	3375	5.93
LOC_Os07g42860.1	cyclin, putative, expressed	Chr7	25662767	25665316 -	6	2051	5.93
LOC_Os05g50200.2	expressed protein	Chr5	28767434	28774104 -	14	2174	5.93
LOC_Os08g06880.1	expressed protein	Chr8	3839189	3842448 +	7	1129	5.93
LOC_Os08g13905.1	expressed protein	Chr8	8303870	8307351 +	6	1937	5.94
LOC_Os09g31220.9	expressed protein	Chr9	18779585	18782066 -	3	1546	5.94
LOC_Os04g45200.1	DNA binding protein, putative, expressed	Chr4	26716419	26719506 -	3	1696	5.94
LOC_Os04g51080.1	scramblase, putative, expressed	Chr4	30241588	30246851 +	11	2043	5.94
LOC_Os03g34040.1	ribosomal protein, putative, expressed	Chr3	19412908	19417098 -	2	1477	5.94
LOC_Os04g45490.1	elongation factor, putative, expressed	Chr4	26917882	26920646 -	3	2402	5.94
LOC_Os09g27580.2	potassium transporter, putative, expressed	Chr9	16754449	16759734 +	8	3150	5.94
LOC_Os09g27580.1	potassium transporter, putative, expressed	Chr9	16756249	16759734 +	7	2761	5.94
LOC_Os07g08120.2	BTBT2 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with tetratricopeptide repeats, expressed	Chr7	4118354	4123587 +	6	3749	5.94
LOC_Os03g08450.1	eukaryotic translation initiation factor 3 subunit K, putative, expressed	Chr3	4339450	4342736 -	8	1357	5.94
LOC_Os08g03840.1	expressed protein	Chr8	1833542	1836634 +	5	2119	5.94
LOC_Os11g45250.2	ribonucleases P/MRP protein subunit POP1 containing protein, expressed	Chr11	27383516	27388433 -	10	3099	5.94
LOC_Os11g45250.1	ribonucleases P/MRP protein subunit POP1 containing protein, expressed	Chr11	27383516	27388433 -	10	3122	5.94
LOC_Os03g37260.1	pentatricopeptide, putative, expressed	Chr3	20650253	20653294 +	1	3074	5.94
LOC_Os11g37130.1	mttA/Hcf106 family protein, putative, expressed	Chr11	21920159	21923345 -	6	1562	5.94
LOC_Os07g08120.1	BTBT2 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with tetratricopeptide repeats, expressed	Chr7	4118354	4123592 +	5	3852	5.94
LOC_Os03g62680.1	expressed protein	Chr3	35470284	35473955 -	9	1818	5.95
LOC_Os05g38219.2	expressed protein	Chr5	22406439	22410427 +	5	2879	5.95
LOC_Os05g38219.1	expressed protein	Chr5	22406439	22412412 +	7	3308	5.95
LOC_Os02g04915.1	expressed protein	Chr2	2274553	2275713 +	1	1193	5.95
LOC_Os12g23760.1	growth regulator related protein, putative, expressed	Chr12	13492035	13499278 +	9	2481	5.95
LOC_Os06g09910.1	phosphopantothencycysteine decarboxylase, putative, expressed	Chr6	5054303	5056846 -	3	1850	5.95

LOC_Os06g09910.2	phosphopantothencycysteine decarboxylase, putative, expressed	Chr6	5054303	5056834 -	3	1851	5.95
LOC_Os03g59600.1	mitochondrial Rho GTPase 1, putative, expressed	Chr3	33936155	33937972 -	5	922	5.95
LOC_Os04g01530.1	adenylate kinase, putative, expressed	Chr4	364005	367448 -	9	1526	5.95
LOC_Os02g04690.2	cycloartenol synthase, putative, expressed	Chr2	2110921	2120419 -	21	3204	5.95
LOC_Os08g14610.1	DRD1, putative, expressed	Chr8	8784440	8793976 -	12	3831	5.95
LOC_Os10g20310.1	thioredoxin fold, putative, expressed	Chr10	10216045	10218319 -	2	2240	5.95
LOC_Os09g05030.1	armadillo/beta-catenin-like repeat family protein, expressed	Chr9	2703213	2707348 -	1	4168	5.96
LOC_Os11g37070.1	expressed protein	Chr11	21883171	21888743 -	3	2000	5.96
LOC_Os12g18130.1	expressed protein	Chr12	10454466	10458548 -	4	1860	5.96
LOC_Os03g58650.2	expressed protein	Chr3	33402553	33405439 +	8	1482	5.96
LOC_Os02g04730.1	cycloartenol synthase, putative, expressed	Chr2	2148473	2153358 -	12	2241	5.96
LOC_Os08g44000.1	uncharacterized protein ycf39, putative, expressed	Chr8	27695184	27700281 -	9	3817	5.96
LOC_Os03g19270.4	universal stress protein domain containing protein, putative, expressed	Chr3	10839453	10840785 -	3	1248	5.96
LOC_Os01g48339.1	expressed protein	Chr1	27703978	27705198 +	2	1208	5.96
LOC_Os07g31540.1	ubiquitin family protein, putative, expressed	Chr7	18717034	18725768 -	18	4371	5.96
LOC_Os04g53540.4	homeobox and START domains containing protein, putative, expressed	Chr4	31899718	31906029 -	12	3749	5.97
LOC_Os04g53540.1	homeobox and START domains containing protein, putative, expressed	Chr4	31899718	31907060 -	12	4207	5.97
LOC_Os04g53540.3	homeobox and START domains containing protein, putative, expressed	Chr4	31899718	31907122 -	13	4216	5.97
LOC_Os04g53540.2	homeobox and START domains containing protein, putative, expressed	Chr4	31899718	31907122 -	12	4269	5.97
LOC_Os06g30440.1	OsGH3.7 - Probable indole-3-acetic acid-amido synthetase, expressed	Chr6	17586899	17590682 -	4	2458	5.97
LOC_Os12g08280.1	inositol-1-monophosphatase, putative, expressed	Chr12	4216563	4219484 -	8	1662	5.97
LOC_Os08g19140.1	adenylate kinase family protein, putative, expressed	Chr8	11442523	11453895 -	19	2887	5.97
LOC_Os04g45610.1	expressed protein	Chr4	26978120	26982173 -	4	2000	5.97
LOC_Os07g39590.1	spotted leaf 11, putative, expressed	Chr7	23721772	23724795 +	2	2057	5.97
LOC_Os03g17560.1	expressed protein	Chr3	9757006	9759331 +	5	1115	5.97
LOC_Os07g14350.1	methyltransferase, putative, expressed	Chr7	8194024	8199887 +	7	1616	5.97
LOC_Os03g04260.1	glutathione S-transferase, putative, expressed	Chr3	1954669	1955969 -	2	1064	5.97
LOC_Os04g47860.8	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408664	28410885 +	2	1599	5.97
LOC_Os08g09260.1	tRNA synthetase, putative, expressed	Chr8	5379310	5384023 -	10	1412	5.97
LOC_Os07g33310.1	MATE efflux family protein, putative, expressed	Chr7	19911361	19914576 +	7	2206	5.97
LOC_Os04g23830.1	exonuclease, putative, expressed	Chr4	13611018	13616050 -	7	869	5.97
LOC_Os01g12090.1	ribosomal protein S6 family protein, putative, expressed	Chr1	6583822	6586889 +	4	749	5.97
LOC_Os01g73280.1	expressed protein	Chr1	42472609	42474070 +	3	570	5.97
LOC_Os01g59070.1	expressed protein	Chr1	34135802	34137584 +	1	1815	5.97
LOC_Os07g06080.1	FAD dependent oxidoreductase domain containing protein, expressed	Chr7	2945227	2947295 +	2	2040	5.97
LOC_Os09g02130.1	expressed protein	Chr9	799487	806530 +	7	1557	5.97
LOC_Os01g52560.1	Plant PDR ABC transporter associated domain containing protein, expressed	Chr1	30216047	30222975 +	17	4236	5.97
LOC_Os11g13570.1	gibberellin receptor GID1L2, putative, expressed	Chr11	7437635	7439156 -	1	1554	5.97
LOC_Os06g16290.1	ribosomal protein L7Ae, putative, expressed	Chr6	9283140	9285250 +	4	944	5.97
LOC_Os01g74190.1	radical SAM enzyme, putative, expressed	Chr1	42977145	42979816 -	10	1853	5.97
LOC_Os03g41229.1	expressed protein	Chr3	22930270	22937157 +	10	2150	5.97
LOC_Os08g11220.6	expressed protein	Chr8	6598207	6603406 +	4	1028	5.97
LOC_Os10g35260.1	Rf1, mitochondrial precursor, putative, expressed	Chr10	18846830	18849084 -	4	1682	5.98
LOC_Os07g28470.2	coiled-coil domain-containing protein 111, putative, expressed	Chr7	16660287	16668229 +	14	2518	5.98
LOC_Os12g07260.1	PPR repeat domain containing protein, putative, expressed	Chr12	3566986	3572003 -	4	2597	5.98

LOC_Os12g07590.2	Protein-tyrosine phosphatase domain containing protein, expressed	Chr12	3792401	3797497 -	8	1625	5.98
LOC_Os06g12020.1	membrane-anchored ubiquitin-fold protein, putative, expressed	Chr6	6435824	6439822 +	3	1244	5.98
LOC_Os02g06760.1	expressed protein	Chr2	3411221	3415305 +	4	776	5.98
LOC_Os02g33010.1	expressed protein	Chr2	19623033	19628774 -	13	2859	5.98
LOC_Os06g51100.1	transmembrane protein, putative, expressed	Chr6	30907000	30913486 -	10	2818	5.99
LOC_Os06g51100.2	transmembrane protein, putative, expressed	Chr6	30907000	30913463 -	10	2741	5.99
LOC_Os02g41580.1	CAMK_CAMK_like.14 - CAMK includes calcium/calmodulin dependent protein kinases, expressed	Chr2	24934934	24936468 +	2	1482	5.99
LOC_Os04g41140.1	PPR repeat containing protein, expressed	Chr4	24399162	24402461 -	2	2794	5.99
LOC_Os08g06470.1	transmembrane 9 superfamily member, putative, expressed	Chr8	3630958	3635519 +	7	2720	5.99
LOC_Os07g06090.1	expressed protein	Chr7	2946126	2949178 -	4	2013	5.99
LOC_Os01g41930.1	leucine rich repeat protein, putative, expressed	Chr1	23775861	23779747 +	1	3919	5.99
LOC_Os11g35090.1	kinesin motor domain containing protein, putative, expressed	Chr11	20571984	20577400 -	14	2858	5.99
LOC_Os08g11220.8	expressed protein	Chr8	6598207	6603406 +	4	1172	5.99
LOC_Os03g42480.2	expressed protein	Chr3	23633268	23640082 -	3	690	5.99
LOC_Os03g42480.1	expressed protein	Chr3	23633268	23640054 -	3	700	5.99
LOC_Os09g27990.1	annexin, putative, expressed	Chr9	16999259	17001374 -	5	1853	5.99
LOC_Os02g44330.1	rho guanine nucleotide exchange factor, putative, expressed	Chr2	26820403	26823399 +	5	1214	5.99
LOC_Os02g07910.1	fiber protein Fb15, putative, expressed	Chr2	4141499	4143676 +	2	849	5.99
LOC_Os02g07910.2	fiber protein Fb15, putative, expressed	Chr2	4141491	4143681 +	2	867	5.99
LOC_Os08g02950.2	expressed protein	Chr8	1283078	1285520 -	4	1831	5.99
LOC_Os03g54860.1	60S ribosomal protein L13a-2, putative, expressed	Chr3	31180590	31190830 -	4	851	5.99
LOC_Os08g40919.2	expressed protein	Chr8	25889494	25893900 +	3	2953	5.99
LOC_Os03g21964.1	expressed protein	Chr3	12567937	12571044 +	2	2698	5.99
LOC_Os10g41580.1	protein binding protein, putative, expressed	Chr10	22373186	22375105 -	4	1771	5.99
LOC_Os08g06050.1	OsTOP6A2 - Topoisomerase 6 subunit A homolog 2, expressed	Chr8	3301039	3304257 -	10	1987	6.00
LOC_Os03g46310.1	expressed protein	Chr3	26193470	26196514 +	6	1160	6.00
LOC_Os10g27090.1	expressed protein	Chr10	14278731	14283314 +	4	3022	6.00
LOC_Os04g36740.1	potassium channel SKOR, putative, expressed	Chr4	22192042	22197439 -	12	2687	6.00
LOC_Os04g16866.1	photosystem II reaction center protein K precursor, putative, expressed	Chr4	9174386	9175114 +	1	761	6.00
LOC_Os11g14230.1	uncharacterized protein yqxC, putative, expressed	Chr11	7964439	7969046 -	9	1655	6.00
LOC_Os03g20640.1	expressed protein	Chr3	11677890	11680211 +	9	1504	6.00
LOC_Os01g65460.1	beta-galactosidase precursor, putative, expressed	Chr1	37994513	38001584 +	20	4304	6.00
LOC_Os01g60660.2	methionyl-tRNA synthetase, putative, expressed	Chr1	35069267	35074491 -	10	1657	6.00
LOC_Os07g33200.1	expressed protein	Chr7	19827230	19833195 +	10	2427	6.00
LOC_Os05g07220.2	kelch repeat-containing protein, putative, expressed	Chr5	3813306	3819769 -	11	4035	6.01
LOC_Os05g07220.1	kelch repeat-containing protein, putative, expressed	Chr5	3813306	3819769 -	11	4192	6.01
LOC_Os03g47620.1	ankyrin, putative, expressed	Chr3	26962705	26970219 +	12	1842	6.01
LOC_Os05g45920.1	S1 RNA binding domain containing protein, expressed	Chr5	26608284	26612433 +	9	1895	6.01
LOC_Os01g68440.1	expressed protein	Chr1	39773091	39776770 +	10	2006	6.01
LOC_Os07g07270.1	MBTB13 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Mepirin and TRAF Homology I	Chr7	3610786	3614403 -	4	1856	6.01
LOC_Os04g47906.2	gamma-tubulin complex component 6, putative, expressed	Chr4	28484045	28488670 -	8	1493	6.01
LOC_Os05g32600.1	cyclin-dependent kinase D-1, putative, expressed	Chr5	19083908	19089902 +	7	2276	6.01
LOC_Os05g32600.2	cyclin-dependent kinase D-1, putative, expressed	Chr5	19083891	19089905 +	7	2253	6.01
LOC_Os04g49920.1	sensitivity to red light reduced protein 1, putative, expressed	Chr4	29770168	29773759 -	5	2836	6.01
LOC_Os01g14830.1	ribosomal protein L3, putative, expressed	Chr1	8291337	8296221 +	5	1603	6.01

LOC_Os03g08530.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr3	4384011	4389386 -	14	2662	6.01
LOC_Os12g05040.3	heavy-metal-associated domain-containing protein, putative, expressed	Chr12	2193867	2198850 +	8	2851	6.01
LOC_Os08g03420.3	kelch repeat protein, putative, expressed	Chr8	1600716	1603803 +	7	2272	6.01
LOC_Os02g05420.1	expressed protein	Chr2	2607099	2611381 +	7	1910	6.01
LOC_Os12g41180.1	LSTK-1-like kinase, putative, expressed	Chr12	25518232	25522441 -	14	2977	6.01
LOC_Os04g51786.1	containing DUF163, putative, expressed	Chr4	30685422	30687861 -	8	1304	6.01
LOC_Os09g36710.1	peptidase, T1 family, putative, expressed	Chr9	21171653	21174067 +	3	1265	6.01
LOC_Os07g33210.1	expressed protein	Chr7	19838576	19842588 +	8	1795	6.01
LOC_Os01g57740.1	expressed protein	Chr1	33392410	33396091 +	4	1571	6.02
LOC_Os01g65110.1	POT family protein, expressed	Chr1	37795596	37797746 +	4	2018	6.02
LOC_Os12g05040.5	heavy-metal-associated domain-containing protein, putative, expressed	Chr12	2193867	2198850 +	7	3045	6.02
LOC_Os11g01590.1	nodulin, putative, expressed	Chr11	341400	345820 +	3	2182	6.02
LOC_Os04g20920.1	H-BTB2 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence,	Chr4	11743893	11747126 +	2	2138	6.02
LOC_Os06g04520.1	expressed protein	Chr6	1937857	1948678 +	22	5888	6.02
LOC_Os06g04520.2	expressed protein	Chr6	1937857	1948678 +	22	5839	6.02
LOC_Os05g34240.1	hAT dimerisation domain containing protein, expressed	Chr5	20267699	20271147 -	7	2821	6.02
LOC_Os06g23800.2	flavin-containing monooxygenase family protein, putative, expressed	Chr6	13905082	13909018 -	7	1434	6.02
LOC_Os09g26190.1	CBS domain containing protein, expressed	Chr9	15790768	15800951 +	12	2815	6.02
LOC_Os06g09880.1	EMB1270, putative, expressed	Chr6	5029395	5035358 -	4	4552	6.02
LOC_Os08g06470.2	transmembrane 9 superfamily member, putative, expressed	Chr8	3630958	3635521 +	6	3094	6.02
LOC_Os03g18940.1	exonuclease, putative, expressed	Chr3	10606874	10612264 +	4	1831	6.02
LOC_Os05g50200.1	expressed protein	Chr5	28767046	28774104 -	15	2413	6.02
LOC_Os01g56320.1	OsSub4 - Putative Subtilisin homologue, expressed	Chr1	32450869	32456576 +	10	3534	6.02
LOC_Os06g38930.1	leucine-rich repeat receptor protein kinase EXS precursor, putative, expressed	Chr6	23094018	23097524 +	2	3478	6.02
LOC_Os06g06014.4	expressed protein	Chr6	2766128	2770398 -	5	1429	6.02
LOC_Os01g65460.2	beta-galactosidase precursor, putative, expressed	Chr1	37994513	38001584 +	19	4395	6.02
LOC_Os04g56405.1	expressed protein	Chr4	33631690	33634831 -	4	2760	6.02
LOC_Os06g48960.1	AIG2-like family domain containing protein, expressed	Chr6	29665219	29667372 -	5	1154	6.03
LOC_Os11g23790.2	expressed protein	Chr11	13460587	13466808 -	10	2105	6.03
LOC_Os07g07270.2	MBTB13 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Meprin and TRAF Homology I	Chr7	3610786	3614403 -	4	1876	6.03
LOC_Os01g59320.1	expressed protein	Chr1	34293077	34295574 -	4	1502	6.03
LOC_Os10g25660.1	OsFBX385 - F-box domain containing protein, expressed	Chr10	13284009	13285673 -	1	1697	6.03
LOC_Os08g30820.1	cleavage and polyadenylation specificity factor subunit 5, putative, expressed	Chr8	19031135	19033307 -	6	1762	6.03
LOC_Os02g07250.1	peptidase, cysteine peptidase active site, putative, expressed	Chr2	3720874	3724570 -	7	1803	6.03
LOC_Os02g09820.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr2	5063137	5066805 +	2	2670	6.03
LOC_Os01g11550.1	TCP family transcription factor, putative, expressed	Chr1	6221636	6224329 -	3	2569	6.03
LOC_Os10g13800.2	ufm1-conjugating enzyme 1, putative, expressed	Chr10	7496071	7496943 +	2	831	6.03
LOC_Os07g31840.1	leucine-rich repeat family protein, putative, expressed	Chr7	18914944	18920560 -	9	2846	6.03
LOC_Os01g01350.1	SNF7 domain containing protein, putative, expressed	Chr1	170712	173191 -	7	1375	6.03
LOC_Os02g56910.1	lecithine cholesterol acyltransferase, putative, expressed	Chr2	34882827	34888422 -	14	2167	6.04
LOC_Os05g34240.2	hAT dimerisation domain containing protein, expressed	Chr5	20267699	20271119 -	5	2909	6.04
LOC_Os05g34240.3	hAT dimerisation domain containing protein, expressed	Chr5	20267699	20271147 -	6	2888	6.04
LOC_Os01g01350.2	SNF7 domain containing protein, putative, expressed	Chr1	170712	173434 -	5	1734	6.04
LOC_Os05g49680.1	OsFBX178 - F-box domain containing protein, expressed	Chr5	28489736	28493856 -	5	2207	6.04
LOC_Os07g19460.1	mitochondrial carrier protein, putative, expressed	Chr7	11505604	11509628 -	12	1850	6.04

LOC_Os06g49510.2	zinc knuckle family protein, putative, expressed	Chr6	29990034	29992228 -	3	1771	6.04
LOC_Os03g62260.1	FAD binding domain containing protein, expressed	Chr3	35259267	35264558 -	10	2457	6.04
LOC_Os08g44930.1	SNARE domain containing protein, putative, expressed	Chr8	28208750	28211676 -	5	850	6.04
LOC_Os10g18070.1	expressed protein	Chr10	9158360	9164822 +	4	1798	6.04
LOC_Os02g30974.1	expressed protein	Chr2	18501203	18509632 -	12	2960	6.04
LOC_Os03g47610.6	thiamine biosynthesis protein thiC, putative, expressed	Chr3	26952048	26959200 +	7	3763	6.04
LOC_Os03g47610.5	thiamine biosynthesis protein thiC, putative, expressed	Chr3	26952048	26959200 +	7	3760	6.04
LOC_Os03g47610.3	thiamine biosynthesis protein thiC, putative, expressed	Chr3	26952048	26959200 +	7	3745	6.04
LOC_Os03g47610.2	thiamine biosynthesis protein thiC, putative, expressed	Chr3	26952048	26959200 +	7	3717	6.04
LOC_Os03g47610.4	thiamine biosynthesis protein thiC, putative, expressed	Chr3	26952048	26959200 +	7	3714	6.04
LOC_Os03g12290.1	glutamine synthetase, catalytic domain containing protein, expressed	Chr3	6457910	6462727 -	11	2386	6.04
LOC_Os01g62610.1	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr1	36253547	36256977 +	8	1583	6.04
LOC_Os05g46430.1	60S ribosomal protein L28-1, putative, expressed	Chr5	26901983	26905011 -	4	926	6.04
LOC_Os01g67180.1	ribonuclease T2 family domain containing protein, expressed	Chr1	38990769	38993804 -	8	1702	6.05
LOC_Os03g12140.3	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr3	6371551	6373705 +	3	2062	6.05
LOC_Os03g12140.2	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr3	6371362	6373705 +	4	2072	6.05
LOC_Os03g12140.1	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr3	6369445	6373705 +	4	2218	6.05
LOC_Os08g31340.1	heavy metal-associated domain containing protein, expressed	Chr8	19382952	19387137 +	3	1729	6.05
LOC_Os01g26370.2	expressed protein	Chr1	14955700	14959369 +	5	2030	6.05
LOC_Os08g02680.1	expressed protein	Chr8	1116925	1119641 -	3	1334	6.05
LOC_Os12g10540.1	OsMADS13 - MADS-box family gene with MIKCC type-box, expressed	Chr12	5585203	5590285 +	8	1464	6.05
LOC_Os06g03750.1	dehydration response related protein, putative, expressed	Chr6	1478931	1485780 +	6	2792	6.05
LOC_Os08g44930.2	SNARE domain containing protein, putative, expressed	Chr8	28208750	28211676 -	4	885	6.05
LOC_Os09g31031.1	ubiquitin family protein, putative, expressed	Chr9	18669317	18671727 +	4	930	6.05
LOC_Os09g31031.2	ubiquitin family protein, putative, expressed	Chr9	18669317	18671727 +	4	941	6.05
LOC_Os04g31210.4	bile acid sodium symporter family protein, putative, expressed	Chr4	18675970	18681077 +	8	2219	6.05
LOC_Os05g28860.1	3%27-5%27 exonuclease, putative, expressed	Chr5	16918923	16925020 +	11	2565	6.05
LOC_Os05g51110.1	expressed protein	Chr5	29317524	29324891 -	17	3710	6.05
LOC_Os05g40200.1	inactive receptor kinase At2g26730 precursor, putative, expressed	Chr5	23605419	23611006 -	3	2966	6.05
LOC_Os03g44560.1	expp1 protein precursor, putative, expressed	Chr3	25092952	25096890 -	3	1324	6.05
LOC_Os02g25060.1	NTMC2Type1.2 protein, putative, expressed	Chr2	14529662	14537548 -	12	2491	6.05
LOC_Os11g41410.1	expressed protein	Chr11	24847412	24853971 -	4	1608	6.05
LOC_Os05g32390.1	FZL, putative, expressed	Chr5	18891981	18900862 +	11	3477	6.05
LOC_Os04g48820.2	deoxyribonuclease tatD, putative, expressed	Chr4	29114943	29119666 -	9	1770	6.05
LOC_Os09g28890.2	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr9	17556974	17558591 +	2	1592	6.05
LOC_Os11g23790.1	expressed protein	Chr11	13460527	13466808 -	9	2238	6.05
LOC_Os11g23790.3	expressed protein	Chr11	13460527	13466808 -	9	2231	6.05
LOC_Os06g47210.1	oligopeptidase, putative, expressed	Chr6	28620993	28628006 +	17	3271	6.05
LOC_Os12g41350.2	meiotic asynaptic mutant 1, putative, expressed	Chr12	25622669	25628255 +	13	2772	6.06
LOC_Os09g09470.2	WD domain, G-beta repeat domain containing protein, expressed	Chr9	5094691	5102635 +	9	3162	6.06
LOC_Os04g49490.2	protein phosphatase 2C, putative, expressed	Chr4	29515047	29518435 -	5	2106	6.06
LOC_Os03g53530.1	WD domain, G-beta repeat domain containing protein, expressed	Chr3	30701238	30704661 -	10	2038	6.06
LOC_Os01g63460.1	MYB family transcription factor, putative, expressed	Chr1	36763179	36765294 -	2	2064	6.06
LOC_Os10g40020.2	oxidoreductase, short chain dehydrogenase/reductase family domain containing family, expressed	Chr10	21434984	21439378 -	10	2359	6.06
LOC_Os04g55570.1	plant protein of unknown function DUF869 domain containing protein, expressed	Chr4	33080889	33086419 +	6	3345	6.06

LOC_Os08g42620.2	zinc finger DHHC domain-containing protein, putative, expressed	Chr8	26938776	26942169 -	7	2103	6.06
LOC_Os08g42620.1	zinc finger DHHC domain-containing protein, putative, expressed	Chr8	26938776	26942169 -	6	2175	6.06
LOC_Os10g21460.1	expressed protein	Chr10	10988248	10992677 +	7	1736	6.06
LOC_Os02g42374.2	e2f-associated phosphoprotein, putative, expressed	Chr2	25491956	25494062 +	4	858	6.06
LOC_Os10g35480.2	lanC-like protein 2, putative, expressed	Chr10	18986705	18988982 +	6	1789	6.06
LOC_Os10g35480.1	lanC-like protein 2, putative, expressed	Chr10	18986705	18988982 +	6	1795	6.06
LOC_Os09g09470.1	WD domain, G-beta repeat domain containing protein, expressed	Chr9	5094691	5102650 +	10	3322	6.06
LOC_Os03g47920.1	expressed protein	Chr3	27235335	27239011 -	4	1745	6.07
LOC_Os01g67300.1	expressed protein	Chr1	39063497	39065531 +	6	1112	6.07
LOC_Os05g25194.1	metal cation transporter, putative, expressed	Chr5	14597766	14606210 -	6	3405	6.07
LOC_Os05g25194.2	metal cation transporter, putative, expressed	Chr5	14597766	14606210 -	5	3656	6.07
LOC_Os10g25210.1	OsFBX384 - F-box domain containing protein, expressed	Chr10	13015680	13017947 -	2	2240	6.07
LOC_Os08g28214.1	tesmin/TSO1-like CXC domain containing protein, expressed	Chr8	17214129	17221240 -	9	3015	6.07
LOC_Os08g28214.6	tesmin/TSO1-like CXC domain containing protein, expressed	Chr8	17214129	17221249 -	9	3058	6.07
LOC_Os06g51460.1	white-brown complex homolog protein, putative, expressed	Chr6	31169637	31174837 -	13	3911	6.07
LOC_Os06g49320.1	glycosyltransferase, putative, expressed	Chr6	29882897	29886728 -	2	3775	6.07
LOC_Os01g65730.1	SET domain containing protein, expressed	Chr1	38157319	38159785 -	6	1929	6.07
LOC_Os11g07250.1	receptor kinase, putative, expressed	Chr11	3649576	3652796 +	3	3151	6.07
LOC_Os08g28214.2	tesmin/TSO1-like CXC domain containing protein, expressed	Chr8	17214129	17221240 -	9	3034	6.07
LOC_Os03g37580.4	modifier of rudimentary protein, expressed	Chr3	20842174	20846882 -	7	1198	6.07
LOC_Os08g38310.1	expressed protein	Chr8	24263164	24269876 +	9	4168	6.07
LOC_Os05g39680.1	PX domain containing protein, expressed	Chr5	23287870	23297397 +	13	4750	6.07
LOC_Os01g68260.1	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed	Chr1	39666655	39670332 +	14	1645	6.07
LOC_Os03g45270.1	CS domain containing protein, putative, expressed	Chr3	25558176	25560461 +	5	625	6.07
LOC_Os01g05490.1	triosephosphate isomerase, cytosolic, putative, expressed	Chr1	2589537	2593641 -	9	1711	6.07
LOC_Os01g05490.2	triosephosphate isomerase, cytosolic, putative, expressed	Chr1	2589537	2593641 -	8	1808	6.07
LOC_Os04g31210.5	bile acid sodium symporter family protein, putative, expressed	Chr4	18675970	18681077 +	7	2004	6.08
LOC_Os01g51700.3	ras-related protein, putative, expressed	Chr1	29730128	29735102 -	6	1426	6.08
LOC_Os06g51460.2	white-brown complex homolog protein, putative, expressed	Chr6	31169684	31174867 -	13	3899	6.08
LOC_Os07g32950.1	dnaj C terminal region family protein, expressed	Chr7	19692304	19695407 +	6	1975	6.08
LOC_Os08g31228.1	ribosomal protein L27, putative, expressed	Chr8	19307322	19311510 +	4	1674	6.08
LOC_Os03g61670.1	calreticulin precursor, putative, expressed	Chr3	34951952	34955910 -	13	2448	6.08
LOC_Os09g39550.1	expressed protein	Chr9	22703362	22705713 +	3	920	6.08
LOC_Os01g43120.1	DEAD/DEAH box helicase, putative, expressed	Chr1	24598181	24601892 +	10	2725	6.08
LOC_Os09g25880.1	expressed protein	Chr9	15521946	15523890 -	3	1852	6.08
LOC_Os01g66590.1	DUF260 domain containing protein, putative, expressed	Chr1	38676217	38679707 +	4	1683	6.08
LOC_Os01g66590.2	DUF260 domain containing protein, putative, expressed	Chr1	38676728	38679707 +	3	1798	6.08
LOC_Os05g43230.1	oryzain alpha chain precursor, putative, expressed	Chr5	25153902	25157655 +	6	2184	6.08
LOC_Os01g66030.2	OsMADS2 - MADS-box family gene with MIKc type-box, expressed	Chr1	38320785	38324074 -	7	2006	6.08
LOC_Os01g66030.1	OsMADS2 - MADS-box family gene with MIKc type-box, expressed	Chr1	38320785	38324074 -	7	2019	6.08
LOC_Os12g33240.2	mitochondrial ribosomal protein S10, putative, expressed	Chr12	20105721	20108020 +	2	1081	6.08
LOC_Os12g33240.3	mitochondrial ribosomal protein S10, putative, expressed	Chr12	20105721	20108020 +	2	1096	6.08
LOC_Os03g50220.1	homologous-pairing protein meu13, putative, expressed	Chr3	28632554	28636276 -	6	1974	6.08
LOC_Os01g19490.1	pentatricopeptide, putative, expressed	Chr1	11064694	11068774 -	2	2442	6.08
LOC_Os05g33010.2	heat shock protein DnaJ, putative, expressed	Chr5	19353553	19357897 +	6	1228	6.08

LOC_Os05g33010.1	heat shock protein DnaJ, putative, expressed	Chr5	19353553	19357897 +	6	1237	6.08
LOC_Os02g51480.1	PPR repeat domain containing protein, putative, expressed	Chr2	31529599	31531859 +	2	1997	6.09
LOC_Os10g35440.1	pentatricopeptide repeat domain containing protein, putative, expressed	Chr10	18951471	18953729 +	1	2291	6.09
LOC_Os03g57750.2	expressed protein	Chr3	32909844	32910753 +	2	796	6.09
LOC_Os03g57750.1	expressed protein	Chr3	32909844	32910753 +	1	942	6.09
LOC_Os07g06890.1	FAD-linked oxidoreductase protein, putative, expressed	Chr7	3363008	3370020 -	17	3336	6.09
LOC_Os02g26370.1	wiskott-Aldrich syndrome protein family member 2, putative, expressed	Chr2	15482348	15485946 -	3	1587	6.09
LOC_Os03g34040.3	ribosomal protein, putative, expressed	Chr3	19412908	19417098 -	3	1636	6.09
LOC_Os08g39820.1	pre-rRNA-processing protein TSR2, putative, expressed	Chr8	25206758	25210102 +	4	1121	6.09
LOC_Os08g39820.2	pre-rRNA-processing protein TSR2, putative, expressed	Chr8	25206777	25210102 +	4	1106	6.09
LOC_Os01g08850.1	expressed protein	Chr1	4444670	4448386 +	9	2080	6.09
LOC_Os04g38930.1	pentatricopeptide, putative, expressed	Chr4	23131673	23133502 +	1	1862	6.09
LOC_Os12g41350.1	meiotic asynaptic mutant 1, putative, expressed	Chr12	25622843	25628255 +	13	2631	6.09
LOC_Os06g05350.1	whirly transcription factor domain containing protein, expressed	Chr6	2405409	2408752 +	6	1955	6.09
LOC_Os10g11820.1	expressed protein	Chr10	6552107	6555101 -	1	3027	6.09
LOC_Os10g41180.1	expressed protein	Chr10	22121786	22123969 -	3	2016	6.09
LOC_Os01g05130.1	expressed protein	Chr1	2403270	2405982 +	5	1187	6.09
LOC_Os12g16524.1	glutaredoxin-C8 precursor, putative, expressed	Chr12	9466243	9468318 +	1	2108	6.09
LOC_Os08g43300.1	UBX domain-containing protein, putative, expressed	Chr8	27365105	27370831 -	11	2533	6.09
LOC_Os02g42374.5	e2f-associated phosphoprotein, putative, expressed	Chr2	25491955	25494117 +	2	785	6.10
LOC_Os04g28280.1	BEE 3, putative, expressed	Chr4	16732393	16734806 -	7	1016	6.10
LOC_Os01g32849.1	expressed protein	Chr1	18026504	18030389 -	4	3300	6.10
LOC_Os03g37580.3	modifier of rudimentary protein, expressed	Chr3	20842174	20846882 -	8	1443	6.10
LOC_Os03g37580.1	modifier of rudimentary protein, expressed	Chr3	20842174	20846882 -	8	1446	6.10
LOC_Os03g37580.2	modifier of rudimentary protein, expressed	Chr3	20842174	20846882 -	9	1523	6.10
LOC_Os06g06400.1	NBS-LRR type disease resistance protein, putative, expressed	Chr6	2985094	2990867 -	3	5081	6.10
LOC_Os08g02950.1	expressed protein	Chr8	1283100	1286546 -	7	2022	6.10
LOC_Os08g40580.3	methyltransferase domain containing protein, expressed	Chr8	25687620	25690627 -	9	1316	6.10
LOC_Os01g62870.1	oxidoreductase, aldo/keto reductase family protein, putative, expressed	Chr1	36410638	36414610 +	7	1736	6.10
LOC_Os06g43270.1	protein kinase domain containing protein, expressed	Chr6	26003181	26007060 +	5	2673	6.10
LOC_Os05g01750.1	TruB family pseudouridylate synthase, putative, expressed	Chr5	448732	453210 -	9	2275	6.10
LOC_Os03g46460.1	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr3	26283114	26287177 +	2	3738	6.10
LOC_Os12g09089.1	protein kinase PKN/PRK1, effector, putative, expressed	Chr12	4748030	4760875 -	6	1956	6.10
LOC_Os06g27800.2	tm-1GCR237 protein, putative, expressed	Chr6	15738394	15744794 +	10	2874	6.10
LOC_Os01g49154.1	expressed protein	Chr1	28246607	28248021 +	1	1447	6.11
LOC_Os03g59480.1	expressed protein	Chr3	33849980	33854736 -	12	3164	6.11
LOC_Os03g11050.3	mannose-1-phosphate guanyltransferase, putative, expressed	Chr3	5680647	5685367 -	15	2224	6.11
LOC_Os05g45740.1	mitochondrial ATP synthase g subunit family protein, putative, expressed	Chr5	26497701	26499634 +	3	797	6.11
LOC_Os05g45740.2	mitochondrial ATP synthase g subunit family protein, putative, expressed	Chr5	26497701	26499634 +	2	883	6.11
LOC_Os03g06760.2	exocyst complex component 6, putative, expressed	Chr3	3435024	3439544 +	1	4553	6.11
LOC_Os05g51000.3	expressed protein	Chr5	29271238	29273974 -	3	1697	6.11
LOC_Os05g51000.4	expressed protein	Chr5	29271238	29273972 -	2	1746	6.11
LOC_Os05g51000.2	expressed protein	Chr5	29271238	29274792 -	4	1762	6.11
LOC_Os05g51000.1	expressed protein	Chr5	29271238	29274798 -	4	1862	6.11
LOC_Os07g48970.1	OsPOP17 - Putative Prolyl Oligopeptidase homologue, expressed	Chr7	29303741	29307647 +	10	2607	6.11

LOC_Os02g17650.2	tocopherol cyclase, chloroplast precursor, putative, expressed	Chr2	10155843	10164747 -	9	2209	6.11
LOC_Os12g44160.3	oxidoreductase, putative, expressed	Chr12	27394751	27398395 +	12	1555	6.11
LOC_Os12g44160.2	oxidoreductase, putative, expressed	Chr12	27394751	27398395 +	12	1566	6.11
LOC_Os12g44160.1	oxidoreductase, putative, expressed	Chr12	27394407	27398395 +	13	1824	6.11
LOC_Os05g35730.2	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr5	21207906	21214431 -	11	1882	6.11
LOC_Os02g55050.2	OsFBX64 - F-box domain containing protein, expressed	Chr2	33722143	33724854 -	5	2137	6.11
LOC_Os04g52440.1	aminotransferase, putative, expressed	Chr4	31169012	31174731 +	19	2513	6.11
LOC_Os07g22950.2	adenylate kinase isoenzyme 6, putative, expressed	Chr7	12926448	12930711 +	4	1046	6.11
LOC_Os08g02370.1	galactosyltransferase family protein, putative, expressed	Chr8	940837	944407 -	11	1881	6.11
LOC_Os03g11050.1	mannose-1-phosphate guanylyltransferase, putative, expressed	Chr3	5680647	5685409 -	15	2276	6.12
LOC_Os02g28900.1	cytokinin-O-glucosyltransferase 2, putative, expressed	Chr2	17118767	17120699 +	2	1905	6.12
LOC_Os02g53140.1	COP1, putative, expressed	Chr2	32528037	32533583 -	13	3126	6.12
LOC_Os04g47860.7	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408664	28410885 +	2	1705	6.12
LOC_Os07g38100.1	HVA22, putative, expressed	Chr7	22845333	22849592 -	8	841	6.12
LOC_Os03g50450.1	inactive receptor kinase At2g26730 precursor, putative, expressed	Chr3	28795423	28799255 -	2	3160	6.12
LOC_Os07g46410.1	bifunctional thioredoxin reductase/thioredoxin, putative, expressed	Chr7	27694622	27699164 +	10	2200	6.12
LOC_Os01g51754.4	alpha-amylase precursor, putative, expressed	Chr1	29760719	29763942 +	6	1662	6.12
LOC_Os10g30090.1	amino acid permease, putative, expressed	Chr10	15629313	15635900 -	14	2851	6.12
LOC_Os02g42220.1	transposon protein, putative, unclassified, expressed	Chr2	25399803	25404333 +	6	2848	6.12
LOC_Os03g07290.1	structural constituent of ribosome, putative, expressed	Chr3	3711106	3713272 +	3	815	6.12
LOC_Os01g48720.1	RNA polymerase III subunit RPC82 family protein, putative, expressed	Chr1	27938768	27947047 +	14	2364	6.12
LOC_Os07g22950.3	adenylate kinase isoenzyme 6, putative, expressed	Chr7	12926448	12930711 +	3	1040	6.12
LOC_Os07g22950.1	adenylate kinase isoenzyme 6, putative, expressed	Chr7	12926466	12930711 +	3	1074	6.12
LOC_Os02g10670.1	expressed protein	Chr2	5617300	5619951 +	6	1398	6.12
LOC_Os03g52320.1	GRF-interacting factor 1, putative, expressed	Chr3	30045079	30048795 -	4	1484	6.12
LOC_Os02g37834.6	expressed protein	Chr2	22835850	22836993 +	2	840	6.12
LOC_Os06g08180.1	expressed protein	Chr6	3966030	3969599 -	8	2018	6.13
LOC_Os04g31210.1	bile acid sodium symporter family protein, putative, expressed	Chr4	18675970	18681077 +	9	2196	6.13
LOC_Os04g31210.3	bile acid sodium symporter family protein, putative, expressed	Chr4	18675930	18681077 +	8	2278	6.13
LOC_Os02g17680.1	ethylene-responsive protein related, putative, expressed	Chr2	10181426	10189201 -	9	2410	6.13
LOC_Os08g34170.1	CAF1 family ribonuclease containing protein, putative, expressed	Chr8	21418716	21421093 +	1	2410	6.13
LOC_Os02g33500.1	threonyl-tRNA synthetase, putative, expressed	Chr2	19924354	19928340 -	8	2591	6.13
LOC_Os01g33762.1	expressed protein	Chr1	18585545	18587695 +	5	619	6.13
LOC_Os12g21789.3	expressed protein	Chr12	12264653	12267520 -	3	1379	6.13
LOC_Os03g53880.2	serine/threonine-protein kinase TOUSLED, putative, expressed	Chr3	30890100	30899911 -	17	3644	6.13
LOC_Os03g53880.1	serine/threonine-protein kinase TOUSLED, putative, expressed	Chr3	30890100	30899909 -	16	3483	6.13
LOC_Os06g19640.1	39S ribosomal protein L46, mitochondrial precursor, putative, expressed	Chr6	11204783	11208079 -	6	1346	6.13
LOC_Os06g27800.1	tm-1GCR237 protein, putative, expressed	Chr6	15738385	15744846 +	9	2935	6.13
LOC_Os01g56620.1	pseudouridylate synthase, putative, expressed	Chr1	32660700	32667425 -	19	3262	6.13
LOC_Os01g50310.1	VIP1 protein, putative, expressed	Chr1	28881393	28882954 -	1	1594	6.13
LOC_Os07g44640.1	ZOS7-13 - C2H2 zinc finger protein, expressed	Chr7	26633873	26637243 +	7	2513	6.13
LOC_Os11g38170.2	notchless protein, putative, expressed	Chr11	22630975	22637797 +	14	2572	6.14
LOC_Os11g38170.1	notchless protein, putative, expressed	Chr11	22630975	22637804 +	14	2588	6.14
LOC_Os02g55050.1	OsFBX64 - F-box domain containing protein, expressed	Chr2	33722143	33724854 -	6	2279	6.14
LOC_Os01g29469.1	dual specificity protein phosphatase, putative, expressed	Chr1	16511526	16518660 -	5	1153	6.14

LOC_Os01g12540.1	GTPase of unknown function domain containing protein, putative, expressed	Chr1	6897571	6904232 +	9	2636	6.14
LOC_Os01g42720.2	expressed protein	Chr1	24300144	24301232 +	3	961	6.14
LOC_Os11g01420.1	ribosomal protein L10, putative, expressed	Chr11	252426	254919 -	8	1394	6.14
LOC_Os08g06500.1	PPR repeat domain containing protein, putative, expressed	Chr8	3680925	3688728 +	4	4744	6.14
LOC_Os08g30900.2	YDG/SRA domain containing protein, expressed	Chr8	19071029	19076379 +	5	4088	6.14
LOC_Os08g30900.1	YDG/SRA domain containing protein, expressed	Chr8	19070540	19076379 +	4	4634	6.14
LOC_Os04g17660.3	rhodanese-like domain containing protein, putative, expressed	Chr4	9671229	9674123 -	4	2258	6.14
LOC_Os01g66170.1	SNARE associated Golgi protein, putative, expressed	Chr1	38436842	38440460 -	7	1866	6.14
LOC_Os03g16580.1	expressed protein	Chr3	9138551	9143660 +	3	1368	6.14
LOC_Os02g16650.1	PPR repeat domain containing protein, putative, expressed	Chr2	9510002	9514048 +	3	3086	6.14
LOC_Os05g24970.2	LSM domain containing protein, expressed	Chr5	14449503	14452311 -	4	1130	6.15
LOC_Os05g24970.1	LSM domain containing protein, expressed	Chr5	14449503	14452183 -	4	1005	6.15
LOC_Os07g23244.1	ribosomal protein L23 family protein, putative, expressed	Chr7	13098610	13103790 +	2	1298	6.15
LOC_Os07g08320.1	RNA recognition motif containing protein, expressed	Chr7	4253896	4259355 -	9	2241	6.15
LOC_Os11g34770.1	maf, putative, expressed	Chr11	20372742	20376132 -	9	1314	6.15
LOC_Os05g01750.2	TruB family pseudouridylate synthase, putative, expressed	Chr5	448732	453210 -	6	3312	6.15
LOC_Os04g08450.1	expressed protein	Chr4	4543617	4547432 +	7	1273	6.15
LOC_Os01g47690.1	metallo-beta-lactamase family protein, putative, expressed	Chr1	27274676	27278560 -	9	1847	6.15
LOC_Os03g06120.2	PLAC8 family protein, expressed	Chr3	3068969	3074191 +	9	2401	6.15
LOC_Os05g24970.3	LSM domain containing protein, expressed	Chr5	14449503	14452311 -	3	1184	6.15
LOC_Os01g68524.2	pentatricopeptide, putative, expressed	Chr1	39811722	39819555 -	5	1293	6.15
LOC_Os07g47250.3	lipase precursor, putative, expressed	Chr7	28240545	28245450 +	11	2038	6.15
LOC_Os01g35040.1	ZOS1-09 - C2H2 zinc finger protein, expressed	Chr1	19389831	19392858 +	3	2298	6.15
LOC_Os02g57170.1	expressed protein	Chr2	35011392	35013385 -	4	874	6.16
LOC_Os07g20544.2	aspartokinase, chloroplast precursor, putative, expressed	Chr7	11865383	11874242 -	13	2569	6.16
LOC_Os07g20544.1	aspartokinase, chloroplast precursor, putative, expressed	Chr7	11865383	11874242 -	13	2575	6.16
LOC_Os02g12900.2	cysteine synthase, putative, expressed	Chr2	6810648	6814112 +	7	2447	6.16
LOC_Os02g12900.1	cysteine synthase, putative, expressed	Chr2	6810648	6814112 +	7	2508	6.16
LOC_Os08g33350.1	expressed protein	Chr8	20802476	20805200 -	8	1398	6.16
LOC_Os03g51000.3	3,4-dihydroxy-2-butanone kinase, putative, expressed	Chr3	29137663	29145550 -	18	2614	6.16
LOC_Os07g48850.1	PPR repeat containing protein, expressed	Chr7	29227754	29232888 -	3	4648	6.16
LOC_Os02g45490.3	expressed protein	Chr2	27667909	27671421 -	4	3044	6.16
LOC_Os01g60790.1	40S ribosomal protein S26, putative, expressed	Chr1	35153694	35155904 +	5	1015	6.16
LOC_Os05g07130.1	6PF-2-K/Fru-2,6-P2ASE liver isozyme, putative, expressed	Chr5	3763113	3771463 +	23	3402	6.16
LOC_Os05g07130.2	6PF-2-K/Fru-2,6-P2ASE liver isozyme, putative, expressed	Chr5	3763113	3771463 +	23	3399	6.16
LOC_Os08g11220.3	expressed protein	Chr8	6598207	6603406 +	5	1203	6.16
LOC_Os03g57090.1	arv1, putative, expressed	Chr3	32550896	32554338 -	10	1725	6.16
LOC_Os05g08400.1	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed	Chr5	4581331	4584038 -	3	1884	6.17
LOC_Os04g08450.2	expressed protein	Chr4	4543617	4547560 +	7	1419	6.17
LOC_Os08g39210.1	OsWAK74 - OsWAK receptor-like protein kinase, expressed	Chr8	24767343	24770890 -	2	2386	6.17
LOC_Os05g14980.1	expressed protein	Chr5	8499893	8504665 +	4	2430	6.17
LOC_Os03g06120.1	PLAC8 family protein, expressed	Chr3	3068969	3074123 +	8	2457	6.17
LOC_Os03g06120.3	PLAC8 family protein, expressed	Chr3	3068969	3074123 +	8	2452	6.17
LOC_Os09g02729.2	phospholipase C, putative, expressed	Chr9	1226547	1238533 -	7	1791	6.17
LOC_Os08g15030.1	aspartate carbamoyltransferase, putative, expressed	Chr8	9071639	9075883 -	5	1591	6.17

LOC_Os03g56820.1	fatty acid hydroxylase, putative, expressed	Chr3	32376731	32378468	+	6	1280	6.17
LOC_Os03g09860.2	acetyltransferase, GNAT family, putative, expressed	Chr3	4906203	4908795	+	6	1373	6.17
LOC_Os05g36050.1	serine/threonine-protein kinase, putative, expressed	Chr5	21342183	21345370	-	7	2119	6.17
LOC_Os03g55930.1	ribosomal protein, putative, expressed	Chr3	31845364	31847238	-	2	1079	6.17
LOC_Os01g60660.1	methionyl-tRNA synthetase, putative, expressed	Chr1	35069246	35074491	-	12	1925	6.17
LOC_Os03g62870.3	DNA-directed RNA polymerases I, II, and III subunit RPABC3, putative, expressed	Chr3	35562754	35565063	-	5	1049	6.17
LOC_Os04g08450.3	expressed protein	Chr4	4543617	4547560	+	7	1422	6.17
LOC_Os09g29080.1	expressed protein	Chr9	17659697	17662227	-	5	1131	6.18
LOC_Os06g07020.1	ZOS6-01 - C2H2 zinc finger protein, expressed	Chr6	3328474	3331568	+	2	1973	6.18
LOC_Os08g11220.2	expressed protein	Chr8	6598207	6603406	+	5	1347	6.18
LOC_Os04g46730.4	thioesterase family protein, putative, expressed	Chr4	27700855	27702773	-	5	1001	6.18
LOC_Os01g62920.1	homeodomain protein, putative, expressed	Chr1	36445019	36449951	-	4	3007	6.18
LOC_Os01g50120.1	expressed protein	Chr1	28798874	28804461	+	6	3844	6.18
LOC_Os03g62870.1	DNA-directed RNA polymerases I, II, and III subunit RPABC3, putative, expressed	Chr3	35562754	35565081	-	5	1037	6.18
LOC_Os01g59920.1	cysteine synthase, chloroplast precursor, putative, expressed	Chr1	34647037	34650771	-	10	2101	6.18
LOC_Os10g05600.1	thaumatin-like protein 1 precursor, putative, expressed	Chr10	2794499	2796678	-	3	1784	6.18
LOC_Os08g41560.1	ubiquitin carboxyl-terminal hydrolase, putative, expressed	Chr8	26253487	26256841	-	2	3146	6.18
LOC_Os02g52900.3	glutaredoxin 2, putative, expressed	Chr2	32349092	32352908	+	5	1732	6.18
LOC_Os04g31971.1	expressed protein	Chr4	19148767	19152021	+	6	2028	6.18
LOC_Os07g31720.1	GTPase activating protein, putative, expressed	Chr7	18840247	18842537	+	3	1052	6.18
LOC_Os03g09860.1	acetyltransferase, GNAT family, putative, expressed	Chr3	4906203	4908795	+	6	1388	6.19
LOC_Os01g53840.1	protein kinase family protein, putative, expressed	Chr1	30949378	30954738	-	11	2745	6.19
LOC_Os12g43520.1	cbbY protein-related, putative, expressed	Chr12	26997513	27001740	-	11	1806	6.19
LOC_Os03g51550.2	WD repeat-containing protein 5, putative, expressed	Chr3	29486017	29490091	+	2	1694	6.19
LOC_Os06g41810.1	reductase, putative, expressed	Chr6	25073542	25076549	-	6	1506	6.19
LOC_Os03g62870.2	DNA-directed RNA polymerases I, II, and III subunit RPABC3, putative, expressed	Chr3	35562754	35564991	-	4	1105	6.19
LOC_Os01g52720.1	Complex I intermediate-associated protein 30 domain containing protein, putative, expressed	Chr1	30320746	30323993	+	8	1351	6.19
LOC_Os08g11220.1	expressed protein	Chr8	6598207	6603406	+	4	1614	6.19
LOC_Os11g48020.1	fatty acid hydroxylase, putative, expressed	Chr11	28953907	28957199	-	7	1518	6.19
LOC_Os03g44540.1	nuclear transcription factor Y subunit, putative, expressed	Chr3	25069060	25074703	-	6	2380	6.19
LOC_Os05g05280.1	zinc finger family protein, putative, expressed	Chr5	2598338	2604167	-	10	2165	6.19
LOC_Os02g24642.1	photosystem II reaction center protein K precursor, putative, expressed	Chr2	14288946	14289590	-	1	677	6.19
LOC_Os02g42314.1	ubiquitin-conjugating enzyme, putative, expressed	Chr2	25450892	25454110	-	5	1623	6.19
LOC_Os04g44030.1	PPR repeat domain containing protein, putative, expressed	Chr4	26090648	26093773	+	1	3158	6.19
LOC_Os11g39360.1	pentatricopeptide repeat domain containing protein, putative, expressed	Chr11	23427261	23429925	+	3	2513	6.19
LOC_Os07g32412.2	transposon protein, putative, unclassified, expressed	Chr7	19276479	19281526	-	6	2527	6.19
LOC_Os12g30610.1	expressed protein	Chr12	18383645	18385743	+	1	2131	6.20
LOC_Os02g52270.2	heat shock protein DnaJ, putative, expressed	Chr2	32001646	32003185	-	3	717	6.20
LOC_Os05g32850.1	CBS domain containing protein, expressed	Chr5	19232846	19240430	+	13	2426	6.20
LOC_Os11g41540.4	disease resistance RPP8-like protein 3, putative, expressed	Chr11	24911501	24917044	+	5	3352	6.20
LOC_Os11g41540.3	disease resistance RPP8-like protein 3, putative, expressed	Chr11	24911501	24917044	+	5	3379	6.20
LOC_Os08g05750.1	pentatricopeptide, putative, expressed	Chr8	3079277	3084580	-	5	2951	6.20
LOC_Os01g31690.2	oxygen-evolving enhancer protein 1, chloroplast precursor, putative, expressed	Chr1	17349311	17350816	+	3	1431	6.20
LOC_Os01g31690.1	oxygen-evolving enhancer protein 1, chloroplast precursor, putative, expressed	Chr1	17349311	17350816	+	2	1453	6.20
LOC_Os02g52900.1	glutaredoxin 2, putative, expressed	Chr2	32349092	32352908	+	6	1934	6.20

LOC_Os07g07709.1	ribosomal protein S13p/S18e, putative, expressed	Chr7	3872134	3875077 +	4	941	6.20
LOC_Os03g53760.1	ATP-dependent RNA helicase DHX36, putative, expressed	Chr3	30815600	30822590 -	19	4574	6.20
LOC_Os01g42800.1	MEE18, putative, expressed	Chr1	24354151	24360484 -	13	2101	6.20
LOC_Os06g06610.1	expressed protein	Chr6	3111535	3115194 +	3	2463	6.20
LOC_Os11g18830.1	survival motor neuron containing protein, expressed	Chr11	10691940	10698365 +	4	1594	6.20
LOC_Os08g14450.1	RNA polymerase sigma factor, putative, expressed	Chr8	8677955	8681990 +	9	3074	6.20
LOC_Os02g04924.1	retrotransposon protein, putative, unclassified, expressed	Chr2	2277044	2279843 +	2	2685	6.20
LOC_Os02g04924.2	retrotransposon protein, putative, unclassified, expressed	Chr2	2277044	2279841 +	2	2689	6.20
LOC_Os02g30650.2	heavy metal-associated domain containing protein, expressed	Chr2	18252570	18256018 +	5	1359	6.20
LOC_Os11g05570.1	RNASEH2A - Putative ribonuclease H2 large subunit, expressed	Chr11	2529744	2532695 +	8	1573	6.20
LOC_Os05g07900.1	mitochondrial carrier protein, putative, expressed	Chr5	4266371	4270255 +	4	2223	6.20
LOC_Os05g07900.2	mitochondrial carrier protein, putative, expressed	Chr5	4266371	4270238 +	4	2303	6.20
LOC_Os02g51640.1	expressed protein	Chr2	31622776	31627571 -	5	1922	6.21
LOC_Os01g15029.1	expressed protein	Chr1	8444463	8447054 -	2	740	6.21
LOC_Os11g34850.1	maf, putative, expressed	Chr11	20420003	20424116 -	9	1946	6.21
LOC_Os05g35730.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr5	21207906	21214431 -	14	2470	6.21
LOC_Os04g42610.1	plant protein of unknown function DUF869 domain containing protein, expressed	Chr4	25207809	25213918 +	4	2912	6.21
LOC_Os02g02480.3	basic helix-loop-helix DND-binding domain containing protein, expressed	Chr2	874691	878615 -	6	1420	6.21
LOC_Os11g39360.2	pentatricopeptide repeat domain containing protein, putative, expressed	Chr11	23427261	23429926 +	2	2565	6.21
LOC_Os04g53612.1	APO, putative, expressed	Chr4	31959526	31961876 -	3	1934	6.21
LOC_Os01g12540.2	GTPase of unknown function domain containing protein, putative, expressed	Chr1	6897557	6904259 +	8	3592	6.21
LOC_Os05g38984.1	expressed protein	Chr5	22870780	22873243 +	3	2082	6.21
LOC_Os03g01550.1	expressed protein	Chr3	348339	352329 -	2	3335	6.21
LOC_Os01g16960.2	pyruvate kinase, putative, expressed	Chr1	9694027	9699700 -	3	2128	6.21
LOC_Os02g45490.2	expressed protein	Chr2	27667908	27671421 -	3	3241	6.22
LOC_Os12g08800.1	las1-like family protein, putative, expressed	Chr12	4527362	4532890 +	8	3744	6.22
LOC_Os01g46840.1	expressed protein	Chr1	26717834	26722446 +	2	2949	6.22
LOC_Os02g04800.1	AIG2-like family domain containing protein, expressed	Chr2	2205767	2208213 +	5	1588	6.22
LOC_Os04g57950.1	dihydroorotate dihydrogenase protein, putative, expressed	Chr4	34519564	34523579 +	11	2328	6.22
LOC_Os05g41910.1	expressed protein	Chr5	24541182	24544300 -	3	2130	6.22
LOC_Os11g01270.1	mitochondrial substrate carrier family protein, putative, expressed	Chr11	144165	149105 -	7	2884	6.22
LOC_Os05g45080.1	anthocyanidin 5,3-O-glucosyltransferase, putative, expressed	Chr5	26192929	26194777 +	1	1881	6.22
LOC_Os06g13600.1	HEAT repeat family protein, putative, expressed	Chr6	7530834	7534857 +	5	2581	6.22
LOC_Os07g32350.1	WD domain, G-beta repeat domain containing protein, expressed	Chr7	19231648	19236044 -	12	2031	6.22
LOC_Os05g43830.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr5	25476707	25484371 -	11	2182	6.22
LOC_Os05g43830.2	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr5	25476707	25484173 -	10	2054	6.22
LOC_Os04g57670.1	pentatricopeptide, putative, expressed	Chr4	34333463	34336668 -	1	3238	6.23
LOC_Os05g30130.1	chaperone protein dnaJ 49, putative, expressed	Chr5	17441559	17445927 -	3	2000	6.23
LOC_Os11g38650.1	UDP-glucuronosyl/UDP-glucosyl transferase, putative, expressed	Chr11	22925987	22928036 -	1	2082	6.23
LOC_Os09g38450.1	expressed protein	Chr9	22134460	22137041 -	5	2328	6.23
LOC_Os02g48840.1	dual specificity protein phosphatase, putative, expressed	Chr2	29882066	29885249 +	5	1384	6.23
LOC_Os10g36340.2	expressed protein	Chr10	19413269	19414372 +	2	1062	6.23
LOC_Os03g56810.1	tubulin/FtsZ domain containing protein, putative, expressed	Chr3	32371758	32374910 +	3	2047	6.23
LOC_Os05g05346.1	expressed protein	Chr5	2632335	2635234 +	1	2932	6.23
LOC_Os03g17210.2	expressed protein	Chr3	9594028	9598834 +	4	3935	6.23

LOC_Os03g24890.1	RNA recognition motif containing protein, putative, expressed	Chr3	14176397	14181042 +	7	1410	6.23
LOC_Os12g29670.1	expressed protein	Chr12	17695043	17698326 +	2	641	6.23
LOC_Os01g50200.1	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed	Chr1	28847957	28849824 -	1	1900	6.23
LOC_Os05g29860.1	mitochondrial carrier protein, putative, expressed	Chr5	17276735	17280614 -	12	1686	6.23
LOC_Os05g29860.2	mitochondrial carrier protein, putative, expressed	Chr5	17276735	17280614 -	12	1742	6.23
LOC_Os05g29860.3	mitochondrial carrier protein, putative, expressed	Chr5	17276738	17280614 -	11	1981	6.23
LOC_Os04g32150.1	amidohydrolase family protein, expressed	Chr4	19283299	19286883 +	10	1712	6.24
LOC_Os09g31486.2	DnaK family protein, putative, expressed	Chr9	18987942	18991156 -	4	2336	6.24
LOC_Os05g06460.1	dihydrolipoyl dehydrogenase, putative, expressed	Chr5	3313391	3319717 -	15	2640	6.24
LOC_Os10g41083.1	uncharacterized Cys-rich domain containing protein, putative, expressed	Chr10	22062365	22065838 -	4	1209	6.24
LOC_Os02g17650.1	tocopherol cyclase, chloroplast precursor, putative, expressed	Chr2	10155843	10164747 -	10	2321	6.24
LOC_Os01g58470.1	expressed protein	Chr1	33803154	33805393 +	6	1318	6.24
LOC_Os11g32360.1	expressed protein	Chr11	19112659	19116616 -	5	2196	6.24
LOC_Os02g51820.1	expressed protein	Chr2	31747712	31749762 +	2	1856	6.24
LOC_Os04g38640.3	OsDegp5 - Putative Deg protease homologue, expressed	Chr4	22954845	22960460 +	10	1651	6.24
LOC_Os07g36870.1	OsFBX252 - F-box domain containing protein, expressed	Chr7	22082548	22086458 +	2	1585	6.24
LOC_Os11g35050.1	expressed protein	Chr11	20533032	20538185 -	7	3187	6.24
LOC_Os11g35050.2	expressed protein	Chr11	20533132	20538142 -	7	3038	6.24
LOC_Os06g04130.1	lung seven transmembrane domain containing protein, putative, expressed	Chr6	1728003	1729996 -	1	2026	6.24
LOC_Os02g57800.1	PPR repeat containing protein, expressed	Chr2	35400295	35403096 -	1	2834	6.24
LOC_Os02g49840.2	OsMADS57 - MADS-box family gene with MIKCC type-box, expressed	Chr2	30456666	30462733 +	7	1543	6.24
LOC_Os02g54130.1	heat shock protein DnaJ, putative, expressed	Chr2	33169843	33175612 -	6	1706	6.24
LOC_Os02g54130.2	heat shock protein DnaJ, putative, expressed	Chr2	33169843	33175612 -	6	1703	6.24
LOC_Os02g46150.1	GAMM1 protein-like, putative, expressed	Chr2	28123211	28128165 -	7	2158	6.24
LOC_Os05g01610.1	FYVE zinc finger domain containing protein, expressed	Chr5	362500	365961 +	4	2882	6.24
LOC_Os04g30210.1	OsFBL15 - F-box domain and LRR containing protein, expressed	Chr4	18027688	18030495 +	2	2204	6.24
LOC_Os04g48484.1	expressed protein	Chr4	28903232	28904440 -	1	1241	6.24
LOC_Os03g07850.1	tRNA methyltransferase, putative, expressed	Chr3	3990105	3997815 +	10	2427	6.24
LOC_Os01g66730.2	exosome complex exonuclease RRP40, putative, expressed	Chr1	38755086	38759504 -	11	1603	6.24
LOC_Os06g04510.1	enolase, putative, expressed	Chr6	1931296	1936380 -	17	2233	6.24
LOC_Os01g22430.1	OsFBDF3 - F-box and DUF domain containing protein, expressed	Chr1	12615648	12617245 -	2	1438	6.24
LOC_Os02g39950.1	EF hand family protein, putative, expressed	Chr2	24158477	24163085 +	9	1957	6.25
LOC_Os03g54240.1	expressed protein	Chr3	31094255	31097656 +	6	2199	6.25
LOC_Os07g06190.1	ethylene-insensitive protein 2, putative, expressed	Chr7	3016455	3024264 +	8	4630	6.25
LOC_Os03g19520.3	cyclin-related protein, putative, expressed	Chr3	10972594	10979478 -	15	3346	6.25
LOC_Os02g54130.3	heat shock protein DnaJ, putative, expressed	Chr2	33169843	33175603 -	5	1834	6.25
LOC_Os09g31486.1	DnaK family protein, putative, expressed	Chr9	18987942	18991156 -	5	2579	6.25
LOC_Os03g17210.1	expressed protein	Chr3	9591835	9598834 +	5	4158	6.25
LOC_Os02g42374.1	e2f-associated phosphoprotein, putative, expressed	Chr2	25491956	25494117 +	3	982	6.25
LOC_Os03g38940.1	expressed protein	Chr3	21631065	21634055 -	3	2844	6.25
LOC_Os01g61320.2	thioredoxin, putative, expressed	Chr1	35477413	35479567 +	5	1624	6.25
LOC_Os01g61320.1	thioredoxin, putative, expressed	Chr1	35477413	35479577 +	5	1618	6.25
LOC_Os03g51000.2	3,4-dihydroxy-2-butanone kinase, putative, expressed	Chr3	29137663	29145552 -	20	2841	6.25
LOC_Os12g19290.1	AGC_AGC_other_NDRh_TRCd.4 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr12	11184671	11191740 +	13	2919	6.25
LOC_Os01g14140.2	X8 domain containing protein, expressed	Chr1	7928083	7929762 -	4	888	6.25

LOC_Os11g11500.1	serpin domain containing protein, putative, expressed	Chr11	6392784	6394753 -	2	1560	6.25
LOC_Os06g46570.2	galactosyltransferase, putative, expressed	Chr6	28275643	28278915 +	9	1766	6.26
LOC_Os05g44210.2	trehalose-6-phosphate synthase, expressed	Chr5	25714294	25722089 +	17	3650	6.26
LOC_Os10g23204.1	CutA, chloroplast precursor, putative, expressed	Chr10	12107765	12113020 +	6	1164	6.26
LOC_Os11g01600.2	macrophage migration inhibitory factor, putative, expressed	Chr11	352200	355321 +	3	1351	6.26
LOC_Os11g01600.1	macrophage migration inhibitory factor, putative, expressed	Chr11	352200	355321 +	3	1577	6.26
LOC_Os03g62870.4	DNA-directed RNA polymerases I, II, and III subunit RPABC3, putative, expressed	Chr3	35562754	35565072 -	6	1387	6.26
LOC_Os03g63110.1	prefoldin, putative, expressed	Chr3	35673283	35676863 -	3	2128	6.26
LOC_Os09g12660.2	glucose-1-phosphate adenylyltransferase large subunit, chloroplast precursor, putative, expressed	Chr9	7245406	7249816 -	10	2293	6.26
LOC_Os09g30180.4	OsFBX331 - F-box domain containing protein, expressed	Chr9	18364587	18368259 +	5	1948	6.26
LOC_Os11g26594.1	expressed protein	Chr11	15236666	15239290 +	2	1559	6.26
LOC_Os10g25060.1	expressed protein	Chr10	12899339	12902125 -	4	1571	6.26
LOC_Os08g11220.5	expressed protein	Chr8	6598266	6603406 +	4	958	6.26
LOC_Os03g58570.1	WD domain, G-beta repeat domain containing protein, expressed	Chr3	33346109	33349987 +	8	3162	6.26
LOC_Os02g17990.2	Leucine Rich Repeat family protein, expressed	Chr2	10437393	10440986 +	12	1905	6.26
LOC_Os08g09710.1	OsFBX271 - F-box domain containing protein, expressed	Chr8	5609250	5612375 +	4	2029	6.26
LOC_Os03g27340.1	expressed protein	Chr3	15658867	15661409 -	3	2467	6.27
LOC_Os10g41870.1	expressed protein	Chr10	22530662	22533290 -	4	2197	6.27
LOC_Os02g17990.1	Leucine Rich Repeat family protein, expressed	Chr2	10437393	10440986 +	11	1948	6.27
LOC_Os02g17990.3	Leucine Rich Repeat family protein, expressed	Chr2	10438024	10440915 +	10	1892	6.27
LOC_Os09g16920.1	desaturase/cytochrome b5 protein, putative, expressed	Chr9	10338558	10340697 +	1	2172	6.27
LOC_Os05g30920.2	OsFBX167 - F-box domain containing protein, expressed	Chr5	17951299	17954234 +	3	861	6.27
LOC_Os06g01460.1	expressed protein	Chr6	276707	282180 -	15	3081	6.27
LOC_Os02g17990.4	Leucine Rich Repeat family protein, expressed	Chr2	10437406	10440986 +	12	2060	6.27
LOC_Os01g14140.1	X8 domain containing protein, expressed	Chr1	7928083	7929764 -	4	894	6.27
LOC_Os03g56820.3	fatty acid hydroxylase, putative, expressed	Chr3	32375903	32378468 +	7	1456	6.27
LOC_Os03g56820.2	fatty acid hydroxylase, putative, expressed	Chr3	32375903	32378469 +	7	1462	6.27
LOC_Os04g46730.3	thioesterase family protein, putative, expressed	Chr4	27700899	27702656 -	5	916	6.27
LOC_Os09g34010.1	expressed protein	Chr9	20078174	20082637 +	7	2969	6.27
LOC_Os12g03400.1	expressed protein	Chr12	1317605	1319925 +	2	1554	6.27
LOC_Os11g08330.1	POLD1 - Putative DNA polymerase delta catalytic subunit, expressed	Chr11	4387460	4397808 -	30	4700	6.27
LOC_Os10g41870.2	expressed protein	Chr10	22530662	22534379 -	4	3210	6.27
LOC_Os03g25420.1	expressed protein	Chr3	14533792	14537193 +	4	3205	6.27
LOC_Os03g51470.1	expressed protein	Chr3	29451096	29453625 -	2	948	6.27
LOC_Os03g08630.1	NAD-dependent epimerase/dehydratase, putative, expressed	Chr3	4444015	4446472 +	3	1789	6.27
LOC_Os01g15580.1	disease resistance protein RGA2, putative, expressed	Chr1	8751071	8755448 +	1	4410	6.28
LOC_Os03g50100.1	expressed protein	Chr3	28572782	28577117 -	4	3579	6.28
LOC_Os04g42120.1	N-acetyltransferase ESCO2, putative, expressed	Chr4	24935457	24938782 -	7	2161	6.28
LOC_Os01g45620.1	CGMC_MAPKCMGC_2.5 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed	Chr1	25917623	25922978 -	10	2314	6.28
LOC_Os08g11220.4	expressed protein	Chr8	6598269	6603406 +	4	1099	6.28
LOC_Os04g51430.1	retrotransposon protein, putative, unclassified, expressed	Chr4	30457951	30463340 +	5	4759	6.28
LOC_Os11g09640.1	OsFBX408 - F-box domain containing protein, expressed	Chr11	5152682	5156419 -	5	2447	6.28
LOC_Os07g47650.1	OsFBK19 - F-box domain and kelch repeat containing protein, expressed	Chr7	28476421	28479703 +	3	1921	6.28
LOC_Os12g21500.1	exosome complex exonuclease, putative, expressed	Chr12	12075112	12087744 +	8	1755	6.28
LOC_Os10g40020.3	oxidoreductase, short chain dehydrogenase/reductase family domain containing family, expressed	Chr10	21434984	21439378 -	11	2510	6.28

LOC_Os02g55310.1	pentatricopeptide, putative, expressed	Chr2	33857140	33859405 -	2	2046	6.28
LOC_Os05g08770.1	uncharacterized protein At4g06744 precursor, putative, expressed	Chr5	4812906	4815430 -	1	2557	6.28
LOC_Os08g15080.1	proline rich protein 3, putative, expressed	Chr8	9123560	9127609 +	8	2482	6.28
LOC_Os12g21789.2	expressed protein	Chr12	12264653	12268289 -	3	2170	6.28
LOC_Os01g45750.1	bile acid sodium symporter family protein, putative, expressed	Chr1	25973522	25980440 +	13	2388	6.29
LOC_Os05g06450.1	tubulin/FtsZ domain containing protein, putative, expressed	Chr5	3307928	3312616 -	12	2480	6.29
LOC_Os07g47250.2	lipase precursor, putative, expressed	Chr7	28241119	28245410 +	11	1817	6.29
LOC_Os03g48310.1	plasma membrane ATPase, putative, expressed	Chr3	27510164	27517321 +	21	3999	6.29
LOC_Os04g46730.2	thioesterase family protein, putative, expressed	Chr4	27700899	27702675 -	5	943	6.29
LOC_Os03g50880.1	class I glutamine amidotransferase, putative, expressed	Chr3	29067747	29071552 -	8	1461	6.29
LOC_Os06g36160.1	40S ribosomal protein S24, putative, expressed	Chr6	21163218	21167192 +	4	971	6.29
LOC_Os01g63970.1	sialyltransferase family domain containing protein, expressed	Chr1	37133557	37135392 +	1	1868	6.29
LOC_Os04g43420.1	PTAC5, putative, expressed	Chr4	25700861	25703587 +	6	2086	6.29
LOC_Os03g15890.3	RNA recognition motif containing protein, expressed	Chr3	8767518	8770510 -	5	1987	6.29
LOC_Os05g06750.1	dihydropyridyl dehydrogenase, mitochondrial precursor, putative, expressed	Chr5	3526717	3530425 +	2	2107	6.29
LOC_Os11g37510.1	ribosomal protein L4, putative, expressed	Chr11	22139918	22143879 +	7	1808	6.29
LOC_Os02g52314.1	BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain, expressed	Chr2	32023315	32027152 -	4	1125	6.29
LOC_Os12g32280.1	SWIB/MDM2 domain containing protein, expressed	Chr12	19488028	19492689 -	2	720	6.29
LOC_Os01g56680.2	photosystem II reaction center W protein, chloroplast precursor, putative, expressed	Chr1	32707831	32709287 -	1	1489	6.30
LOC_Os01g56680.1	photosystem II reaction center W protein, chloroplast precursor, putative, expressed	Chr1	32707831	32709294 -	2	1419	6.30
LOC_Os08g08140.1	receptor-like kinase, putative, expressed	Chr8	4631720	4638679 +	13	3713	6.30
LOC_Os09g27070.1	E2F-related protein, putative, expressed	Chr9	16470982	16474586 +	8	1471	6.30
LOC_Os07g19070.2	prefoldin, putative, expressed	Chr7	11287871	11292046 -	1	4208	6.30
LOC_Os04g57870.1	expressed protein	Chr4	34457067	34463775 -	7	4346	6.30
LOC_Os11g07940.1	expressed protein	Chr11	4102967	4110192 +	9	2286	6.30
LOC_Os10g41280.1	expressed protein	Chr10	22187267	22188504 +	4	749	6.30
LOC_Os04g48820.1	deoxyribonuclease tatD, putative, expressed	Chr4	29114952	29119666 -	8	2228	6.30
LOC_Os06g04510.2	enolase, putative, expressed	Chr6	1931296	1936372 -	15	2895	6.30
LOC_Os03g19220.1	expressed protein	Chr3	10804093	10806772 -	7	848	6.30
LOC_Os03g19220.2	expressed protein	Chr3	10804093	10806772 -	7	852	6.30
LOC_Os07g45280.1	Mo25, putative, expressed	Chr7	27014191	27019009 +	11	1951	6.30
LOC_Os06g15570.2	retrotransposon protein, putative, unclassified, expressed	Chr6	8826989	8832311 -	2	1166	6.30
LOC_Os01g56310.1	radical SAM enzyme, putative, expressed	Chr1	32440171	32443318 +	7	1618	6.30
LOC_Os07g30930.1	pentatricopeptide repeat domain containing protein, putative, expressed	Chr7	18309682	18312468 +	1	2819	6.30
LOC_Os11g09850.1	expressed protein	Chr11	5276417	5279977 +	6	1706	6.31
LOC_Os11g09850.2	expressed protein	Chr11	5276417	5279966 +	7	1783	6.31
LOC_Os09g12660.1	glucose-1-phosphate adenyltransferase large subunit, chloroplast precursor, putative, expressed	Chr9	7245359	7249816 -	10	2349	6.31
LOC_Os09g33520.1	expressed protein	Chr9	19769695	19775102 +	7	3124	6.31
LOC_Os02g52910.1	zinc finger protein, putative, expressed	Chr2	32349914	32352663 -	5	1958	6.31
LOC_Os08g34190.1	stromal cell-derived factor 2-like protein precursor, putative, expressed	Chr8	21433598	21436735 -	6	1402	6.31
LOC_Os03g51000.1	3,4-dihydroxy-2-butanone kinase, putative, expressed	Chr3	29137663	29145550 -	19	2900	6.31
LOC_Os08g40630.2	mTERF domain containing protein, expressed	Chr8	25719257	25721973 -	2	2653	6.31
LOC_Os08g40630.1	mTERF domain containing protein, expressed	Chr8	25719255	25721977 -	1	2755	6.31
LOC_Os02g46140.1	OsFBX59 - F-box domain containing protein, expressed	Chr2	28122304	28124165 +	2	1739	6.31
LOC_Os02g46140.2	OsFBX59 - F-box domain containing protein, expressed	Chr2	28122304	28124165 +	3	1578	6.31

LOC_Os05g40720.1	glycosyl transferase, family 8, putative, expressed	Chr5	23874177	23878278 -	11	2356	6.31
LOC_Os05g46270.1	FEN1A - Putative flap endonuclease protein, expressed	Chr5	26830170	26834200 -	17	2055	6.31
LOC_Os04g47860.5	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408664	28416032 +	4	3065	6.31
LOC_Os04g47860.4	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408664	28416032 +	4	3068	6.31
LOC_Os03g10680.1	formin-like protein 6 precursor, putative, expressed	Chr3	5458096	5462607 +	4	3471	6.31
LOC_Os03g54063.2	expressed protein	Chr3	30994449	30996882 -	3	1295	6.31
LOC_Os09g07020.2	oxidoreductase, putative, expressed	Chr9	3404354	3408176 -	12	1980	6.31
LOC_Os09g07020.1	oxidoreductase, putative, expressed	Chr9	3404354	3408176 -	12	1983	6.31
LOC_Os07g10120.1	expressed protein	Chr7	5431553	5436179 +	10	1966	6.32
LOC_Os02g19440.3	sirohdrochlorin ferrochelatase, putative, expressed	Chr2	11353283	11357740 -	6	1617	6.32
LOC_Os11g13420.1	RNA binding protein, putative, expressed	Chr11	7346265	7348818 -	7	1491	6.32
LOC_Os05g09370.4	kinase, pfkB family, putative, expressed	Chr5	5254254	5262152 -	10	2181	6.32
LOC_Os05g09370.2	kinase, pfkB family, putative, expressed	Chr5	5254254	5262138 -	11	2330	6.32
LOC_Os08g43370.1	6-phosphogluconolactonase, putative, expressed	Chr8	27403439	27406438 +	3	1866	6.32
LOC_Os01g56870.1	expressed protein	Chr1	32842662	32847884 +	10	2871	6.32
LOC_Os03g50900.1	transposon protein, putative, unclassified, expressed	Chr3	29076706	29079305 -	1	2632	6.32
LOC_Os04g40430.1	surfeit locus protein, putative, expressed	Chr4	24026632	24029053 +	5	1370	6.32
LOC_Os04g40430.2	surfeit locus protein, putative, expressed	Chr4	24026632	24029054 +	5	1368	6.32
LOC_Os07g47110.1	OsFBT11 - F-box and tubby domain containing protein, expressed	Chr7	28173000	28176820 +	5	2328	6.32
LOC_Os09g02729.1	phospholipase C, putative, expressed	Chr9	1226547	1238533 -	8	2044	6.32
LOC_Os02g54130.4	heat shock protein DnaJ, putative, expressed	Chr2	33169843	33172364 -	3	1065	6.32
LOC_Os12g21789.1	expressed protein	Chr12	12264653	12267520 -	2	2026	6.32
LOC_Os04g43350.1	expressed protein	Chr4	25637067	25639424 +	3	1653	6.32
LOC_Os04g34976.2	SET domain containing protein, expressed	Chr4	21258335	21262830 +	9	2124	6.32
LOC_Os02g48220.1	expressed protein	Chr2	29523354	29528328 -	5	3237	6.32
LOC_Os01g06000.1	PPR repeat containing protein, expressed	Chr1	2862560	2867272 -	4	3354	6.33
LOC_Os05g09370.1	kinase, pfkB family, putative, expressed	Chr5	5254246	5262132 -	10	2136	6.33
LOC_Os01g73780.1	chloroplast outer envelope 24 kD protein, putative, expressed	Chr1	42735992	42737940 -	2	781	6.33
LOC_Os06g41710.1	CW-type Zinc Finger, putative, expressed	Chr6	24986838	24998104 -	18	3881	6.33
LOC_Os02g10230.1	metal cation transporter, putative, expressed	Chr2	5357310	5361634 +	12	1726	6.33
LOC_Os09g38970.1	zinc finger family protein, putative, expressed	Chr9	22376888	22382492 +	9	3041	6.33
LOC_Os11g13990.1	AAA-type ATPase family protein, putative, expressed	Chr11	7753325	7762397 -	9	3892	6.33
LOC_Os07g47950.1	expressed protein	Chr7	28637847	28642776 +	10	1883	6.33
LOC_Os02g45490.4	expressed protein	Chr2	27667909	27671421 -	3	3442	6.33
LOC_Os12g01240.1	mitochondrial substrate carrier family protein, putative, expressed	Chr12	136205	141120 -	7	2801	6.33
LOC_Os01g02860.1	expressed protein	Chr1	1002459	1007068 -	12	3426	6.33
LOC_Os07g32600.2	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr7	19436899	19439331 +	2	2250	6.33
LOC_Os11g05394.1	nucampholin, putative, expressed	Chr11	2418477	2423363 -	10	3059	6.33
LOC_Os03g63720.1	exosome complex exonuclease, putative, expressed	Chr3	35979772	35982391 -	7	1429	6.33
LOC_Os09g25950.1	regulator protein, putative, expressed	Chr9	15583140	15586502 +	9	1784	6.33
LOC_Os02g39050.1	pre-mRNA-splicing factor ISY1, putative, expressed	Chr2	23578398	23580847 -	2	1555	6.33
LOC_Os03g06720.1	expressed protein	Chr3	3417324	3424868 +	24	3751	6.34
LOC_Os10g25450.1	OsSub60 - Putative Subtilisin homologue, expressed	Chr10	13160291	13163994 +	2	2907	6.34
LOC_Os03g51090.1	OsFBDF17 - F-box and DUF domain containing protein, expressed	Chr3	29209943	29212204 +	2	2188	6.34
LOC_Os11g05394.2	nucampholin, putative, expressed	Chr11	2418477	2423365 -	9	3123	6.34

LOC_Os09g30180.1	OsFBX331 - F-box domain containing protein, expressed	Chr9	18364571	18368259 +	6	2087	6.34
LOC_Os09g30180.3	OsFBX331 - F-box domain containing protein, expressed	Chr9	18364587	18368259 +	6	2066	6.34
LOC_Os08g05670.1	HEAT repeat family protein, putative, expressed	Chr8	3031282	3038465 -	15	2785	6.34
LOC_Os02g30650.1	heavy metal-associated domain containing protein, expressed	Chr2	18252570	18256034 +	5	1630	6.34
LOC_Os01g51530.1	methyltransferase domain containing protein, expressed	Chr1	29598881	29601172 -	8	1452	6.34
LOC_Os12g02380.1	elongation factor P, putative, expressed	Chr12	776593	779942 +	7	1469	6.34
LOC_Os07g44730.2	expressed protein	Chr7	26702923	26705243 -	6	928	6.34
LOC_Os01g72980.1	tRNA uridine 5-carboxymethylaminomethyl modification enzyme gidA, putative, expressed	Chr1	42329246	42335754 -	13	3130	6.34
LOC_Os01g72980.2	tRNA uridine 5-carboxymethylaminomethyl modification enzyme gidA, putative, expressed	Chr1	42329246	42335754 -	13	3080	6.34
LOC_Os07g07010.1	glucosyltransferase, putative, expressed	Chr7	3453911	3457173 +	6	2166	6.34
LOC_Os06g50360.2	pseudouridine synthase family protein, putative, expressed	Chr6	30480316	30485250 -	7	2640	6.34
LOC_Os06g50360.1	pseudouridine synthase family protein, putative, expressed	Chr6	30480316	30485250 -	7	2644	6.34
LOC_Os03g21830.1	appr-1-p processing enzyme family protein, putative, expressed	Chr3	12478017	12480135 +	7	1180	6.34
LOC_Os02g53790.2	adenylate kinase, putative, expressed	Chr2	32951605	32955075 +	10	1624	6.35
LOC_Os12g36194.1	nucleoside diphosphate kinase, putative, expressed	Chr12	22182885	22189908 +	7	1800	6.35
LOC_Os02g49770.1	NHL repeat-containing protein, putative, expressed	Chr2	30427720	30431741 +	7	2182	6.35
LOC_Os02g52810.2	remorin C-terminal domain containing protein, putative, expressed	Chr2	32286589	32291688 -	7	2758	6.35
LOC_Os02g52810.1	remorin C-terminal domain containing protein, putative, expressed	Chr2	32286589	32292090 -	8	2728	6.35
LOC_Os07g48320.1	HAD superfamily phosphatase, putative, expressed	Chr7	28877263	28879558 +	3	1093	6.35
LOC_Os10g08580.1	FAD binding domain of DNA photolyase domain containing protein, expressed	Chr10	4663129	4666991 -	10	2108	6.35
LOC_Os05g49220.2	GTP-binding protein, putative, expressed	Chr5	28242004	28244772 -	9	1967	6.35
LOC_Os06g44320.1	expressed protein	Chr6	26756214	26757596 -	2	1266	6.35
LOC_Os04g40650.2	metalloprotease ATP23, putative, expressed	Chr4	24129561	24133242 -	5	1118	6.35
LOC_Os01g29830.2	expressed protein	Chr1	16716655	16719424 +	6	1560	6.35
LOC_Os01g29830.1	expressed protein	Chr1	16716655	16719424 +	6	1578	6.35
LOC_Os09g30180.2	OsFBX331 - F-box domain containing protein, expressed	Chr9	18364587	18368259 +	7	2235	6.35
LOC_Os07g47250.1	lipase precursor, putative, expressed	Chr7	28240466	28245450 +	10	2710	6.35
LOC_Os06g30910.1	CAAX amino terminal protease family protein, putative, expressed	Chr6	17973891	17978690 +	4	1887	6.35
LOC_Os02g27620.1	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr2	16360083	16364429 -	9	2267	6.35
LOC_Os01g59560.1	protein kinase domain containing protein, expressed	Chr1	34437262	34444377 -	9	2970	6.36
LOC_Os02g02500.1	remorin family protein, putative, expressed	Chr2	890263	894233 +	6	2065	6.36
LOC_Os04g40650.1	metalloprotease ATP23, putative, expressed	Chr4	24129507	24133300 -	5	1210	6.36
LOC_Os01g67550.1	FAD binding domain containing protein, expressed	Chr1	39262856	39266671 +	11	2882	6.36
LOC_Os03g27030.3	RNA recognition motif containing protein, expressed	Chr3	15475271	15477241 -	4	1297	6.36
LOC_Os07g03870.1	receptor like protein kinase, putative, expressed	Chr7	1612858	1616245 -	1	3420	6.36
LOC_Os01g03980.1	expressed protein	Chr1	1711930	1712947 -	1	1050	6.36
LOC_Os06g34040.1	DJ-1 family protein, putative, expressed	Chr6	19824521	19829657 -	8	1852	6.36
LOC_Os08g11720.2	expressed protein	Chr8	6866435	6871560 -	4	956	6.36
LOC_Os01g71330.1	expressed protein	Chr1	41343327	41344284 +	2	921	6.36
LOC_Os06g10580.2	cyclic nucleotide-gated ion channel, putative, expressed	Chr6	5461017	5471943 -	13	3313	6.37
LOC_Os04g40930.1	MYB family transcription factor, putative, expressed	Chr4	24296450	24301211 +	5	2043	6.37
LOC_Os12g30520.1	pumilio-family RNA binding repeat containing protein, expressed	Chr12	18314936	18319067 -	6	3066	6.37
LOC_Os11g38010.1	targeting protein for Xklp2, putative, expressed	Chr11	22550213	22554890 +	7	2118	6.37
LOC_Os03g62430.1	OsWAK28 - OsWAK receptor-like protein kinase, expressed	Chr3	35360733	35365166 -	5	3684	6.37
LOC_Os02g42374.4	e2f-associated phosphoprotein, putative, expressed	Chr2	25491974	25494117 +	2	1117	6.37

LOC_Os02g07830.1	OsHKT1%3B3 - Na%2B transporter, expressed	Chr2	4103333	4105657 +	3	1829	6.37
LOC_Os03g16220.6	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed	Chr3	8945063	8947981 -	5	1462	6.37
LOC_Os06g22070.1	mitochondrial glycoprotein, putative, expressed	Chr6	12801432	12804044 +	3	1299	6.37
LOC_Os07g38490.1	GDP-fucose protein-O-fucosyltransferase 2, putative, expressed	Chr7	23115846	23119820 +	3	2078	6.37
LOC_Os01g62210.1	50S ribosomal protein L17, putative, expressed	Chr1	36007366	36009974 +	6	1096	6.37
LOC_Os01g06680.1	retrotransposon protein, putative, unclassified, expressed	Chr1	3147379	3152501 -	4	3009	6.37
LOC_Os02g45490.1	expressed protein	Chr2	27667909	27671425 -	2	3492	6.37
LOC_Os02g44810.1	tRNA pseudouridine synthase family protein, putative, expressed	Chr2	27134555	27136740 +	2	2158	6.38
LOC_Os06g10810.1	phosphate carrier protein, mitochondrial precursor, putative, expressed	Chr6	5638272	5641660 +	6	1937	6.38
LOC_Os01g41010.1	DUF581 domain containing protein, expressed	Chr1	23224233	23226650 +	4	1632	6.38
LOC_Os06g08400.1	LIM domain-containing protein, putative, expressed	Chr6	4093231	4100936 +	12	2560	6.38
LOC_Os01g41010.2	DUF581 domain containing protein, expressed	Chr1	23224351	23226620 +	4	1516	6.38
LOC_Os09g28890.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr9	17556929	17558591 +	1	1695	6.38
LOC_Os05g34790.1	GYF domain containing protein, putative, expressed	Chr5	20644708	20648700 +	7	968	6.38
LOC_Os10g25210.2	OsFBX384 - F-box domain containing protein, expressed	Chr10	13015120	13017947 -	3	2056	6.38
LOC_Os02g49840.1	OsMADS57 - MADS-box family gene with MIKCC type-box, expressed	Chr2	30456666	30462759 +	8	1640	6.38
LOC_Os02g49840.4	OsMADS57 - MADS-box family gene with MIKCC type-box, expressed	Chr2	30456666	30462759 +	8	1634	6.38
LOC_Os03g16220.5	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed	Chr3	8945110	8947981 -	4	2254	6.38
LOC_Os03g35840.1	transposon protein, putative, unclassified, expressed	Chr3	19858185	19860916 -	6	2520	6.38
LOC_Os01g16100.1	translin, putative, expressed	Chr1	9067360	9071396 -	7	1713	6.38
LOC_Os09g06499.2	sulfate transporter 4.1, chloroplast precursor, putative, expressed	Chr9	3073884	3085958 +	14	2609	6.38
LOC_Os07g12140.2	PPR repeat domain containing protein, putative, expressed	Chr7	6790686	6796631 +	3	2507	6.38
LOC_Os07g01200.2	tetraacyldisaccharide 4-kinase, putative, expressed	Chr7	115439	117742 -	3	2127	6.39
LOC_Os07g23990.2	tetratricopeptide repeat domain containing protein, putative, expressed	Chr7	13589491	13604623 +	24	6958	6.39
LOC_Os07g23990.1	tetratricopeptide repeat domain containing protein, putative, expressed	Chr7	13589491	13604623 +	24	6974	6.39
LOC_Os05g06450.2	tubulin/FtsZ domain containing protein, putative, expressed	Chr5	3307928	3312616 -	11	2883	6.39
LOC_Os12g37640.2	xaa-Pro aminopeptidase, putative, expressed	Chr12	23106121	23110711 +	11	1854	6.39
LOC_Os01g59910.4	OsFBX29 - F-box domain containing protein, expressed	Chr1	34645046	34646325 -	2	1267	6.39
LOC_Os01g48900.1	dynamamin-related protein 1A, putative, expressed	Chr1	28054938	28060595 +	14	3139	6.39
LOC_Os07g40930.1	WD repeat-containing protein 12, putative, expressed	Chr7	24493702	24497576 -	13	2090	6.39
LOC_Os11g32360.2	expressed protein	Chr11	19112659	19116616 -	4	2909	6.40
LOC_Os01g58520.1	disease resistance protein, putative, expressed	Chr1	33816618	33821133 -	4	3112	6.40
LOC_Os02g03820.1	expressed protein	Chr2	1603358	1607212 +	5	2340	6.40
LOC_Os03g54063.3	expressed protein	Chr3	30994449	30996825 -	3	1341	6.40
LOC_Os01g37837.3	seryl-tRNA synthetase, putative, expressed	Chr1	21175744	21178471 +	5	1219	6.40
LOC_Os01g57854.1	pectinesterase, putative, expressed	Chr1	33453433	33460087 +	2	1933	6.40
LOC_Os03g16220.1	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed	Chr3	8945063	8947981 -	5	1490	6.40
LOC_Os02g19440.1	sirohochlorin ferrochelataase, putative, expressed	Chr2	11353281	11357740 -	7	1632	6.40
LOC_Os01g53700.1	mitochondrial-processing peptidase subunit, mitochondrial precursor, putative, expressed	Chr1	30850589	30856227 -	13	2518	6.40
LOC_Os01g67190.1	ribonuclease T2 family domain containing protein, expressed	Chr1	38994469	38997523 -	8	1493	6.40
LOC_Os06g30940.1	pentatricopeptide, putative, expressed	Chr6	17997701	18000860 +	3	3051	6.40
LOC_Os02g09380.1	expressed protein	Chr2	4820464	4822685 +	5	1323	6.41
LOC_Os05g45770.2	Divergent PAP2 family domain containing protein, expressed	Chr5	26507606	26510057 +	1	2484	6.41
LOC_Os07g01200.1	tetraacyldisaccharide 4-kinase, putative, expressed	Chr7	115439	118055 -	5	2121	6.41
LOC_Os11g03460.1	Mad3/BUB1 homology region 1 domain containing protein, expressed	Chr11	1325459	1328968 -	5	2632	6.41

LOC_Os04g58504.1	choline transporter-related, putative, expressed	Chr4	34791847	34800755 -	10	2783	6.41
LOC_Os01g51700.2	ras-related protein, putative, expressed	Chr1	29730128	29735102 -	6	1624	6.41
LOC_Os01g72020.2	BTBA3 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Ankyrin repeat region, expressed	Chr1	41741486	41744666 -	2	2019	6.41
LOC_Os08g37650.1	expressed protein	Chr8	23850361	23852920 -	3	1474	6.41
LOC_Os02g54900.1	STE_PAK_Ste20_STLK.2 - STE kinases include homologs to sterile 7, sterile 11 and sterile 20 from	Chr2	33623756	33630043 +	19	3606	6.41
LOC_Os03g54091.1	OsTOP6A1 - Topoisomerase 6 subunit A homolog 1, expressed	Chr3	31009978	31013940 +	15	1879	6.41
LOC_Os02g44599.3	expressed protein	Chr2	27022924	27028418 -	6	3575	6.41
LOC_Os04g58180.1	WD-40 repeat family protein, putative, expressed	Chr4	34649540	34655216 +	7	3252	6.42
LOC_Os02g48400.1	expressed protein	Chr2	29635857	29639351 +	7	1621	6.42
LOC_Os02g04260.1	expressed protein	Chr2	1878983	1882476 -	6	1754	6.42
LOC_Os01g39600.2	expressed protein	Chr1	22337346	22341545 -	3	3620	6.42
LOC_Os12g40440.1	expressed protein	Chr12	25027023	25029724 -	1	2734	6.42
LOC_Os11g07230.2	receptor kinase, putative, expressed	Chr11	3634792	3638663 +	4	3714	6.42
LOC_Os11g07230.3	receptor kinase, putative, expressed	Chr11	3634792	3638663 +	4	3745	6.42
LOC_Os12g01574.1	expressed protein	Chr12	346323	350645 -	4	1019	6.42
LOC_Os11g34810.1	expressed protein	Chr11	20390259	20392226 -	2	1654	6.42
LOC_Os04g47480.1	DUF630/DUF632 domains containing protein, putative, expressed	Chr4	28170285	28174275 +	5	2795	6.42
LOC_Os03g05334.1	expressed protein	Chr3	2608931	2609586 +	1	688	6.43
LOC_Os03g51430.2	SEC14 cytosolic factor family protein, putative, expressed	Chr3	29421116	29425439 +	6	1623	6.43
LOC_Os03g51430.1	SEC14 cytosolic factor family protein, putative, expressed	Chr3	29421116	29425439 +	6	1604	6.43
LOC_Os05g31680.1	expressed protein	Chr5	18433311	18437696 +	6	1911	6.43
LOC_Os09g32660.1	expressed protein	Chr9	19478653	19482093 -	5	2063	6.43
LOC_Os01g66730.1	exosome complex exonuclease RRP40, putative, expressed	Chr1	38755058	38759513 -	11	1630	6.43
LOC_Os04g42174.2	expressed protein	Chr4	24962835	24966545 +	4	1387	6.43
LOC_Os01g06900.1	verticillium wilt disease resistance protein Ve2, putative, expressed	Chr1	3272839	3276416 +	3	3189	6.43
LOC_Os01g16960.1	pyruvate kinase, putative, expressed	Chr1	9694027	9699817 -	3	2541	6.43
LOC_Os03g61640.1	ZOS3-23 - C2H2 zinc finger protein, expressed	Chr3	34941602	34944655 +	11	1606	6.43
LOC_Os01g41040.1	SCF apoptosis response protein, putative, expressed	Chr1	23240045	23241815 +	5	931	6.43
LOC_Os05g19150.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr5	11114500	11116333 -	3	1389	6.43
LOC_Os02g07040.1	biotin--protein ligase, putative, expressed	Chr2	3607089	3610234 +	9	1814	6.43
LOC_Os02g07040.2	biotin--protein ligase, putative, expressed	Chr2	3607089	3610234 +	9	1831	6.43
LOC_Os03g48300.1	histidine acid phosphatase, putative, expressed	Chr3	27487158	27503964 +	30	4646	6.43
LOC_Os09g08660.1	4-nitrophenylphosphatase, putative, expressed	Chr9	4534955	4543655 -	11	2021	6.44
LOC_Os08g04460.2	NADPH-dependent FMN reductase domain containing protein, expressed	Chr8	2182687	2184807 -	4	1133	6.44
LOC_Os07g23169.2	methyltransferase, putative, expressed	Chr7	13064445	13068285 -	6	1572	6.44
LOC_Os04g03860.1	expressed protein	Chr4	1754439	1759865 +	11	3696	6.44
LOC_Os01g70960.1	cytochrome c1-1, heme protein, mitochondrial precursor, putative, expressed	Chr1	41074436	41079312 +	8	1753	6.44
LOC_Os10g22730.3	expressed protein	Chr10	11807240	11813233 -	12	2645	6.44
LOC_Os01g70110.1	No apical meristem protein, putative, expressed	Chr1	40572819	40574020 +	2	1173	6.44
LOC_Os02g10630.1	GRAM and C2 domains containing protein, putative, expressed	Chr2	5586939	5593645 -	10	4275	6.44
LOC_Os04g41150.1	DUF565 domain containing protein, putative, expressed	Chr4	24402658	24405107 +	2	1522	6.44
LOC_Os02g39410.3	protein phosphatase 2C, putative, expressed	Chr2	23776248	23780985 -	9	3345	6.44
LOC_Os09g28480.1	expressed protein	Chr9	17324424	17329001 +	3	2736	6.44
LOC_Os12g40890.1	OslAA30 - Auxin-responsive Aux/IAA gene family member, expressed	Chr12	25310812	25316229 -	5	1864	6.44
LOC_Os10g40020.1	oxidoreductase, short chain dehydrogenase/reductase family domain containing family, expressed	Chr10	21434984	21439378 -	11	2780	6.44

LOC_Os03g05040.1	expressed protein	Chr3	2450608	2455276 -	7	3041	6.44
LOC_Os11g02460.3	outer membrane protein, OMP85 family, putative, expressed	Chr11	739096	742792 -	8	2519	6.44
LOC_Os02g39410.2	protein phosphatase 2C, putative, expressed	Chr2	23776248	23782298 -	10	4017	6.44
LOC_Os01g59340.2	dihydropyrimidinase, putative, expressed	Chr1	34295721	34305980 +	16	2956	6.45
LOC_Os08g17650.1	LYR motif containing protein, putative, expressed	Chr8	10795822	10803842 -	3	930	6.45
LOC_Os02g43600.1	50S ribosomal protein L19, chloroplast precursor, putative, expressed	Chr2	26317494	26320435 -	4	1157	6.45
LOC_Os09g09980.1	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr9	5430895	5433234 +	2	1907	6.45
LOC_Os03g53880.3	serine/threonine-protein kinase TOUSLED, putative, expressed	Chr3	30893636	30899911 -	12	2478	6.45
LOC_Os01g59340.1	dihydropyrimidinase, putative, expressed	Chr1	34295651	34305980 +	16	3156	6.45
LOC_Os02g50680.2	AAA-type ATPase family protein, putative, expressed	Chr2	30960020	30965278 -	11	2466	6.45
LOC_Os02g50680.3	AAA-type ATPase family protein, putative, expressed	Chr2	30960020	30965278 -	11	2454	6.45
LOC_Os09g26840.1	expressed protein	Chr9	16307780	16310837 -	6	1474	6.45
LOC_Os08g09210.2	phosphoribosylamine--glycine ligase, putative, expressed	Chr8	5341430	5345421 +	5	2475	6.45
LOC_Os08g09210.1	phosphoribosylamine--glycine ligase, putative, expressed	Chr8	5341430	5345421 +	5	2480	6.45
LOC_Os06g11600.2	growth regulator related protein, putative, expressed	Chr6	6146721	6150348 +	10	1959	6.45
LOC_Os04g35620.1	expressed protein	Chr4	21706459	21710960 -	8	958	6.45
LOC_Os06g48940.1	GHMP kinases ATP-binding protein, putative, expressed	Chr6	29626216	29634689 +	29	4654	6.45
LOC_Os06g41590.2	YIF1B, putative, expressed	Chr6	24917130	24920283 -	5	1529	6.46
LOC_Os06g41590.1	YIF1B, putative, expressed	Chr6	24917130	24920288 -	5	1538	6.46
LOC_Os06g41590.3	YIF1B, putative, expressed	Chr6	24917130	24920283 -	5	1552	6.46
LOC_Os04g52100.1	peptidase, M24 family protein, putative, expressed	Chr4	30945118	30948691 -	10	1756	6.46
LOC_Os11g37300.1	OsFBDUF53 - F-box and DUF domain containing protein, expressed	Chr11	22025760	22029748 +	3	3445	6.46
LOC_Os02g04810.1	auxin response factor 5, putative, expressed	Chr2	2207419	2214632 -	14	4470	6.46
LOC_Os02g53340.2	cyclic nucleotide-gated ion channel, putative, expressed	Chr2	32648606	32659775 +	13	3152	6.46
LOC_Os04g55090.1	PPR repeat domain containing protein, putative, expressed	Chr4	32758857	32762453 +	3	2876	6.47
LOC_Os04g55090.2	PPR repeat domain containing protein, putative, expressed	Chr4	32758857	32762453 +	3	2881	6.47
LOC_Os11g07230.1	receptor kinase, putative, expressed	Chr11	3633303	3638605 +	5	4106	6.47
LOC_Os01g48910.2	AMP-binding enzyme, putative, expressed	Chr1	28060410	28067159 -	21	3115	6.47
LOC_Os02g44599.1	expressed protein	Chr2	27022924	27028416 -	4	3891	6.47
LOC_Os07g45300.1	tim44-like domain containing protein, expressed	Chr7	27030234	27035093 -	13	1478	6.47
LOC_Os07g38220.1	expressed protein	Chr7	22920993	22922478 +	1	1518	6.47
LOC_Os07g06410.3	deoxyribonuclease tatD, putative, expressed	Chr7	3111635	3113960 +	8	1239	6.47
LOC_Os07g06410.4	deoxyribonuclease tatD, putative, expressed	Chr7	3111635	3113948 +	7	1308	6.47
LOC_Os02g56020.2	methyltransferase, putative, expressed	Chr2	34296967	34299423 +	7	1311	6.47
LOC_Os07g45620.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr7	27233092	27243299 +	11	4972	6.47
LOC_Os02g27620.2	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr2	16360083	16364429 -	8	2999	6.48
LOC_Os09g33620.1	Leucine Rich Repeat domain containing protein, expressed	Chr9	19854293	19857385 -	5	1687	6.48
LOC_Os05g02970.1	expressed protein	Chr5	1103397	1105229 +	5	980	6.48
LOC_Os11g05120.1	expressed protein	Chr11	2245045	2247217 -	3	1091	6.48
LOC_Os01g61620.1	protein kinase family protein, putative, expressed	Chr1	35653186	35658406 +	8	3049	6.48
LOC_Os11g02460.1	outer membrane protein, OMP85 family, putative, expressed	Chr11	737421	742792 -	9	2733	6.48
LOC_Os11g02460.2	outer membrane protein, OMP85 family, putative, expressed	Chr11	737419	742792 -	9	2787	6.48
LOC_Os05g09400.2	30S ribosomal protein S31, chloroplast precursor, putative, expressed	Chr5	5274199	5277765 -	4	855	6.48
LOC_Os04g54740.1	expressed protein	Chr4	32552399	32556341 +	2	3741	6.48
LOC_Os01g72020.1	BTBA3 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Ankyrin repeat region, expressed	Chr1	41741160	41744666 -	2	2348	6.48

LOC_Os04g41910.1	RNA recognition motif containing protein, putative, expressed	Chr4	24834401	24839784 +	13	2372	6.48
LOC_Os02g44599.2	expressed protein	Chr2	27022924	27028416 -	3	4013	6.48
LOC_Os03g07420.1	3-dehydroquinate synthase, putative, expressed	Chr3	3763798	3767232 +	10	1822	6.48
LOC_Os01g50960.1	RNA polymerase II transcriptional coactivator KELP, putative, expressed	Chr1	29280126	29282901 -	3	1240	6.48
LOC_Os01g03500.1	expressed protein	Chr1	1410987	1413093 -	2	1322	6.48
LOC_Os06g49920.1	expressed protein	Chr6	30221418	30223862 +	4	2076	6.48
LOC_Os03g47610.1	thiamine biosynthesis protein thiC, putative, expressed	Chr3	26952048	26957733 +	6	2425	6.48
LOC_Os10g19334.1	alpha-1,2-fucosidase, putative, expressed	Chr10	9861144	9868032 -	10	3303	6.48
LOC_Os02g56020.1	methyltransferase, putative, expressed	Chr2	34296373	34299423 +	9	1792	6.48
LOC_Os02g13304.1	expressed protein	Chr2	7088833	7089730 -	1	930	6.48
LOC_Os01g59160.1	UBA/TS-N domain containing protein, expressed	Chr1	34175921	34179798 -	8	1507	6.48
LOC_Os03g17164.1	kinesin-related protein, putative, expressed	Chr3	9546132	9550718 +	18	3024	6.48
LOC_Os12g33240.1	mitochondrial ribosomal protein S10, putative, expressed	Chr12	20105725	20108020 +	1	2328	6.48
LOC_Os01g15979.1	gb protein, putative, expressed	Chr1	8988867	8992581 +	6	1041	6.48
LOC_Os03g27030.2	RNA recognition motif containing protein, expressed	Chr3	15475271	15478270 -	8	1394	6.49
LOC_Os03g27030.1	RNA recognition motif containing protein, expressed	Chr3	15475272	15478270 -	8	1396	6.49
LOC_Os09g23380.1	metallo-beta-lactamase, putative, expressed	Chr9	13891777	13897441 +	13	2557	6.49
LOC_Os06g06880.1	Ser/Thr protein phosphatase family protein, putative, expressed	Chr6	3263799	3267308 -	3	1950	6.49
LOC_Os03g60800.1	transposon protein, putative, unclassified, expressed	Chr3	34541557	34546151 +	5	3939	6.49
LOC_Os03g10990.1	retinoblastoma-binding protein-like, putative, expressed	Chr3	5646147	5650212 -	5	2556	6.49
LOC_Os02g52900.2	glutaredoxin 2, putative, expressed	Chr2	32349092	32352908 +	3	3719	6.49
LOC_Os03g16220.2	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed	Chr3	8945110	8947981 -	5	1580	6.49
LOC_Os12g37710.1	PsbP, putative, expressed	Chr12	23148278	23157669 +	3	1671	6.49
LOC_Os12g37710.2	PsbP, putative, expressed	Chr12	23148319	23157669 +	2	1753	6.49
LOC_Os03g48300.3	histidine acid phosphatase, putative, expressed	Chr3	27487161	27501225 +	24	3486	6.49
LOC_Os09g32240.2	OsFBX332 - F-box domain containing protein, expressed	Chr9	19241002	19244410 -	6	1190	6.49
LOC_Os04g57500.1	phosphatidate cytidyltransferase, putative, expressed	Chr4	34209234	34211093 +	6	1296	6.50
LOC_Os02g07260.1	phosphoglycerate kinase protein, putative, expressed	Chr2	3727494	3731349 +	7	1955	6.50
LOC_Os02g07260.3	phosphoglycerate kinase protein, putative, expressed	Chr2	3727494	3731349 +	6	2005	6.50
LOC_Os02g07260.2	phosphoglycerate kinase protein, putative, expressed	Chr2	3727494	3731349 +	6	2033	6.50
LOC_Os08g05530.1	LSM domain containing protein, expressed	Chr8	2965358	2968015 +	5	496	6.50
LOC_Os01g52400.2	bacterial transferase hexapeptide domain containing protein, expressed	Chr1	30102785	30107361 +	11	2057	6.50
LOC_Os01g52400.1	bacterial transferase hexapeptide domain containing protein, expressed	Chr1	30102785	30107361 +	11	2081	6.50
LOC_Os06g20370.1	microtubule associated protein, putative, expressed	Chr6	11696837	11701293 +	10	2692	6.50
LOC_Os09g13575.1	expressed protein	Chr9	7872377	7873255 +	2	526	6.50
LOC_Os01g58750.1	expressed protein	Chr1	33956754	33960102 -	3	1626	6.50
LOC_Os01g57480.1	serine/threonine-protein kinase receptor precursor, putative, expressed	Chr1	33210230	33216333 +	9	3755	6.50
LOC_Os02g42230.1	RPA2B - Putative single-stranded DNA binding complex subunit 2, expressed	Chr2	25404409	25408368 -	10	1696	6.50
LOC_Os07g06670.1	OsFBL35 - F-box domain and LRR containing protein, expressed	Chr7	3251100	3255281 +	6	1713	6.50
LOC_Os03g21600.2	expressed protein	Chr3	12334481	12337463 -	5	1912	6.50
LOC_Os03g17600.1	expressed protein	Chr3	9788873	9791862 +	9	1220	6.50
LOC_Os07g32350.2	WD domain, G-beta repeat domain containing protein, expressed	Chr7	19231648	19236044 -	11	2828	6.50
LOC_Os02g09790.1	disease resistance protein RPM1, putative, expressed	Chr2	5048656	5052503 -	1	3880	6.50
LOC_Os12g40790.1	zinc finger family protein, putative, expressed	Chr12	25247706	25253948 -	6	3948	6.50
LOC_Os01g68830.1	expressed protein	Chr1	39991966	39995113 +	2	2332	6.51

LOC_Os01g58680.1	apurinic endonuclease-redox protein, putative, expressed	Chr1	33919393	33924664 +	12	2396	6.51
LOC_Os07g40460.3	prefoldin, putative, expressed	Chr7	24244101	24247474 +	5	1280	6.51
LOC_Os07g40460.1	prefoldin, putative, expressed	Chr7	24243946	24247474 +	5	1409	6.51
LOC_Os01g15399.1	expressed protein	Chr1	8630317	8633592 -	5	2780	6.51
LOC_Os11g09350.1	expressed protein	Chr11	5010064	5013658 -	2	1890	6.51
LOC_Os07g39070.1	5-formyltetrahydrofolate cyclo-ligase, putative, expressed	Chr7	23419018	23422454 +	7	1305	6.51
LOC_Os02g34840.1	RNA polymerase II transcriptional coactivator KIWI, putative, expressed	Chr2	20884273	20886517 +	4	861	6.51
LOC_Os03g44530.2	GTPase of unknown function domain containing protein, putative, expressed	Chr3	25063106	25066824 -	7	2347	6.51
LOC_Os07g27350.1	atuA, putative, expressed	Chr7	15912872	15917899 +	14	2980	6.51
LOC_Os02g53340.1	cyclic nucleotide-gated ion channel, putative, expressed	Chr2	32648606	32659777 +	14	3250	6.51
LOC_Os09g32240.1	OsFBX332 - F-box domain containing protein, expressed	Chr9	19241002	19244486 -	5	1317	6.51
LOC_Os06g40030.1	S-locus-like receptor protein kinase, putative, expressed	Chr6	23812298	23815104 -	1	2839	6.52
LOC_Os05g43530.1	CSLC7 - cellulose synthase-like family C, expressed	Chr5	25300749	25304668 -	5	2811	6.52
LOC_Os05g48230.1	expressed protein	Chr5	27643114	27647843 +	15	2398	6.52
LOC_Os01g67370.4	expressed protein	Chr1	39131909	39134858 -	8	1331	6.52
LOC_Os09g24670.1	CAAX amino terminal protease family protein, putative, expressed	Chr9	14680807	14684519 +	10	1648	6.52
LOC_Os03g56320.3	expressed protein	Chr3	32107038	32110407 +	7	2270	6.52
LOC_Os08g37650.2	expressed protein	Chr8	23850361	23852873 -	1	2545	6.52
LOC_Os11g10990.1	heat shock protein DnaJ, putative, expressed	Chr11	6064996	6066797 -	2	1426	6.53
LOC_Os06g03690.1	RNA recognition motif containing protein, putative, expressed	Chr6	1455368	1458610 +	7	1450	6.53
LOC_Os10g06700.1	OsFBX375 - F-box domain containing protein, expressed	Chr10	3468006	3469320 +	1	1347	6.53
LOC_Os08g04840.2	MYB family transcription factor, putative, expressed	Chr8	2433787	2436913 +	3	1685	6.53
LOC_Os07g05560.1	expressed protein	Chr7	2599062	2600840 -	1	1811	6.53
LOC_Os02g35750.3	pentatricopeptide repeat domain containing protein, putative, expressed	Chr2	21472360	21475633 +	3	1733	6.53
LOC_Os03g44530.1	GTPase of unknown function domain containing protein, putative, expressed	Chr3	25062638	25066824 -	8	2418	6.53
LOC_Os03g44580.2	DNA binding protein, putative, expressed	Chr3	25102497	25104599 -	2	1725	6.53
LOC_Os09g32410.1	OsFBX333 - F-box domain containing protein, expressed	Chr9	19352404	19357059 -	5	3022	6.53
LOC_Os02g01030.3	tetratricopeptide repeat domain containing protein, expressed	Chr2	14061	16803 +	10	1701	6.53
LOC_Os07g04860.1	transposon protein, putative, unclassified, expressed	Chr7	2140732	2143984 -	3	2707	6.53
LOC_Os10g34420.1	lysM domain containing protein, putative, expressed	Chr10	18357335	18359936 +	3	1860	6.53
LOC_Os02g45090.2	expressed protein	Chr2	27352986	27357013 -	6	1730	6.53
LOC_Os01g67720.4	ABC1 family domain containing protein, putative, expressed	Chr1	39359392	39362884 -	7	1713	6.53
LOC_Os07g43350.1	expressed protein	Chr7	25945919	25950562 -	3	3729	6.53
LOC_Os03g63490.1	pantoate--beta-alanine ligase, putative, expressed	Chr3	35865184	35867788 +	4	1379	6.53
LOC_Os12g38650.1	expressed protein	Chr12	23737322	23739415 +	2	229	6.53
LOC_Os11g08660.1	TOPBP1A - Similar to DNA replication protein TOPBP1 from, expressed	Chr11	4614156	4622265 +	16	3561	6.53
LOC_Os02g07240.1	expressed protein	Chr2	3718309	3720155 -	4	1144	6.53
LOC_Os02g51830.1	tRNA synthetase class II core domain containing protein, expressed	Chr2	31748768	31754456 -	11	2735	6.54
LOC_Os10g22730.1	expressed protein	Chr10	11807240	11813233 -	11	2333	6.54
LOC_Os01g41550.1	aspartic proteinase, putative, expressed	Chr1	23515004	23516896 +	1	1925	6.54
LOC_Os04g47860.3	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408733	28416018 +	5	3349	6.54
LOC_Os04g47860.6	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408775	28416032 +	3	3503	6.54
LOC_Os04g47860.2	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408775	28416032 +	3	3506	6.54
LOC_Os04g47860.1	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408775	28416032 +	3	3525	6.54
LOC_Os04g40420.1	SWIRM domain containing protein, expressed	Chr4	24021401	24026205 +	7	2661	6.54

LOC_Os03g55040.1	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed	Chr3	31298866	31301009 +	2	2066	6.54
LOC_Os04g43430.3	pentatricopeptide, putative, expressed	Chr4	25703701	25707426 -	2	3660	6.54
LOC_Os12g02750.2	expressed protein	Chr12	971331	972914 +	4	1306	6.54
LOC_Os07g12320.1	WD domain, G-beta repeat domain containing protein, expressed	Chr7	6949934	6952170 +	1	2269	6.54
LOC_Os01g15399.2	expressed protein	Chr1	8630317	8633592 -	5	2888	6.54
LOC_Os02g52270.1	heat shock protein DnaJ, putative, expressed	Chr2	32001646	32003856 -	5	984	6.54
LOC_Os08g33650.2	SET domain-containing protein, putative, expressed	Chr8	21014458	21018732 +	2	1494	6.54
LOC_Os03g22350.1	Brix domain containing protein, putative, expressed	Chr3	12802141	12805154 +	7	1763	6.54
LOC_Os01g65400.1	DNA polymerase I, putative, expressed	Chr1	37956305	37958989 -	6	1985	6.54
LOC_Os10g22730.2	expressed protein	Chr10	11807240	11813233 -	11	2728	6.54
LOC_Os10g22730.4	expressed protein	Chr10	11807240	11813233 -	11	2719	6.54
LOC_Os08g10350.1	integral membrane family protein, putative, expressed	Chr8	6062772	6065393 -	2	2063	6.54
LOC_Os01g68104.1	ZOS1-21 - C2H2 zinc finger protein, expressed	Chr1	39588269	39591239 +	9	1557	6.54
LOC_Os04g59610.1	expressed protein	Chr4	35443924	35446343 +	4	1932	6.54
LOC_Os09g28940.1	ubiquitin carboxyl-terminal hydrolase domain containing protein, expressed	Chr9	17600530	17608513 -	12	3198	6.55
LOC_Os11g34810.2	expressed protein	Chr11	20390250	20392226 -	2	1882	6.55
LOC_Os10g39460.2	selenium-binding protein-like, putative, expressed	Chr10	21058117	21061300 -	4	3004	6.55
LOC_Os10g39460.1	selenium-binding protein-like, putative, expressed	Chr10	21058117	21061300 -	3	3041	6.55
LOC_Os11g38020.1	GTPase of unknown function domain containing protein, putative, expressed	Chr11	22555514	22561050 +	13	2386	6.55
LOC_Os10g41310.1	DUF630/DUF632 domains containing protein, putative, expressed	Chr10	22198114	22202335 -	4	3058	6.55
LOC_Os03g16730.1	expressed protein	Chr3	9266217	9269866 +	4	1061	6.55
LOC_Os03g47980.1	expressed protein	Chr3	27276383	27282274 -	11	2622	6.55
LOC_Os04g11790.1	OsFBX120 - F-box domain containing protein, expressed	Chr4	6454582	6456042 -	1	1493	6.55
LOC_Os12g02750.4	expressed protein	Chr12	971331	974796 +	5	1381	6.55
LOC_Os10g38900.1	erythronate-4-phosphate dehydrogenase, putative, expressed	Chr10	20725051	20731000 +	7	3899	6.55
LOC_Os03g40930.1	expressed protein	Chr3	22744328	22746916 -	3	2141	6.55
LOC_Os07g01480.2	oxygen evolving enhancer protein 3 domain containing protein, expressed	Chr7	306009	307555 +	2	1475	6.55
LOC_Os07g01480.1	oxygen evolving enhancer protein 3 domain containing protein, expressed	Chr7	306009	307555 +	2	1562	6.55
LOC_Os02g40010.2	phosphoribosyl transferase, putative, expressed	Chr2	24223305	24228766 +	6	1459	6.56
LOC_Os02g40010.4	phosphoribosyl transferase, putative, expressed	Chr2	24223305	24228766 +	7	1374	6.56
LOC_Os02g40010.1	phosphoribosyl transferase, putative, expressed	Chr2	24223305	24228766 +	7	1341	6.56
LOC_Os02g40010.3	phosphoribosyl transferase, putative, expressed	Chr2	24223305	24228766 +	8	1298	6.56
LOC_Os04g59610.2	expressed protein	Chr4	35443924	35446343 +	4	2032	6.56
LOC_Os04g59610.3	expressed protein	Chr4	35443924	35446343 +	2	2162	6.56
LOC_Os02g19440.2	sirohdrochlorin ferrochelatae, putative, expressed	Chr2	11353286	11357740 -	5	3540	6.56
LOC_Os12g02750.3	expressed protein	Chr12	971331	972978 +	4	1345	6.56
LOC_Os02g53000.1	lysM domain-containing GPI-anchored protein precursor, putative, expressed	Chr2	32426322	32429398 -	5	1746	6.56
LOC_Os01g67370.5	expressed protein	Chr1	39131909	39134858 -	6	1531	6.56
LOC_Os08g19470.1	expressed protein	Chr8	11630390	11631400 +	6	462	6.56
LOC_Os07g12140.1	PPR repeat domain containing protein, putative, expressed	Chr7	6790686	6796612 +	3	2625	6.56
LOC_Os01g65210.1	proton-dependent oligopeptide transport, putative, expressed	Chr1	37837137	37843664 +	8	2467	6.57
LOC_Os02g53000.2	lysM domain-containing GPI-anchored protein precursor, putative, expressed	Chr2	32426322	32429398 -	3	2704	6.57
LOC_Os08g41380.1	pentatricopeptide, putative, expressed	Chr8	26134035	26137488 +	2	2255	6.57
LOC_Os05g32500.2	expressed protein	Chr5	18993592	18997760 -	2	2903	6.57
LOC_Os05g32500.1	expressed protein	Chr5	18993316	18997760 -	3	3132	6.57

LOC_Os08g11220.7	expressed protein	Chr8	6602150	6603406 +	3	707	6.57
LOC_Os09g04990.1	cytoskeletal protein, putative, expressed	Chr9	2685727	2688382 +	1	2688	6.57
LOC_Os02g45690.1	uncharacterized mscS family protein, putative, expressed	Chr2	27798048	27803943 +	7	2547	6.57
LOC_Os01g65400.3	DNA polymerase I, putative, expressed	Chr1	37955093	37958989 -	6	3240	6.57
LOC_Os03g06740.1	glutathione reductase, putative, expressed	Chr3	3427543	3432272 +	11	2512	6.57
LOC_Os01g70200.1	exostosin family domain containing protein, expressed	Chr1	40633090	40636112 -	4	1932	6.57
LOC_Os02g13150.1	pollen-specific protein SF21, putative, expressed	Chr2	7006064	7010651 +	11	2018	6.58
LOC_Os11g34980.1	expressed protein	Chr11	20501517	20503124 -	3	1100	6.58
LOC_Os01g36600.1	PPR repeat domain containing protein, putative, expressed	Chr1	20312945	20314180 -	1	1268	6.58
LOC_Os02g45120.1	expressed protein	Chr2	27369109	27371822 +	2	764	6.58
LOC_Os02g55950.2	ATMAK10, putative, expressed	Chr2	34242810	34251051 +	16	3023	6.58
LOC_Os03g11060.1	MFP1 attachment factor 1, putative, expressed	Chr3	5686615	5687605 +	1	1023	6.58
LOC_Os03g10800.1	BTBN4 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 N	Chr3	5530281	5534478 +	4	3317	6.58
LOC_Os03g10800.4	BTBN4 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 N	Chr3	5530281	5534478 +	3	3513	6.58
LOC_Os02g29890.1	expressed protein	Chr2	17781040	17785549 +	2	3127	6.58
LOC_Os06g50910.3	Phosphatidylinositol kinase and FAT containing domain protein, putative, expressed	Chr6	30802392	30815783 -	18	8657	6.59
LOC_Os03g02685.1	lysM domain containing protein, putative, expressed	Chr3	1002394	1003086 +	1	725	6.59
LOC_Os12g43720.1	early-responsive to dehydration protein-related, putative, expressed	Chr12	27154449	27160461 -	12	3533	6.59
LOC_Os02g55950.1	ATMAK10, putative, expressed	Chr2	34242810	34251051 +	16	3034	6.59
LOC_Os11g36150.1	receptor-like protein kinase 2 precursor, putative, expressed	Chr11	21250855	21254683 -	2	3682	6.59
LOC_Os03g08700.1	expressed protein	Chr3	4482882	4489522 +	10	4292	6.59
LOC_Os11g36060.2	THUMP domain-containing protein, putative, expressed	Chr11	21188305	21194582 +	6	1595	6.59
LOC_Os02g40040.1	expressed protein	Chr2	24240087	24242558 -	2	852	6.59
LOC_Os08g42920.1	60S ribosomal protein L7, putative, expressed	Chr8	27127760	27129724 +	4	1348	6.59
LOC_Os05g31160.1	peptide chain release factor 2, putative, expressed	Chr5	18126349	18129661 +	6	1715	6.60
LOC_Os05g31160.2	peptide chain release factor 2, putative, expressed	Chr5	18126333	18129661 +	6	1738	6.60
LOC_Os05g46550.1	adaptor complexes medium subunit family domain containing protein, expressed	Chr5	26952574	26955950 -	11	2301	6.60
LOC_Os06g50910.1	Phosphatidylinositol kinase and FAT containing domain protein, putative, expressed	Chr6	30797112	30815783 -	18	9059	6.60
LOC_Os04g57370.1	acyl-protein thioesterase, putative, expressed	Chr4	34148081	34150717 -	6	1386	6.60
LOC_Os03g10800.3	BTBN4 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 N	Chr3	5528913	5534468 +	5	3678	6.60
LOC_Os01g57930.1	CDP-alcohol phosphatidyltransferase, putative, expressed	Chr1	33489285	33492959 -	9	1918	6.60
LOC_Os01g65400.5	DNA polymerase I, putative, expressed	Chr1	37955088	37958989 -	5	3654	6.60
LOC_Os01g65400.4	DNA polymerase I, putative, expressed	Chr1	37955088	37958989 -	4	3720	6.60
LOC_Os02g33149.1	OR, putative, expressed	Chr2	19714870	19717682 -	8	1607	6.60
LOC_Os03g19760.1	HAD-superfamily hydrolase, subfamily IA, variant 3 containing protein, expressed	Chr3	11104620	11122447 +	26	4257	6.60
LOC_Os04g58600.2	L-asparaginase precursor protein, putative, expressed	Chr4	34839496	34843337 +	10	1963	6.60
LOC_Os09g18320.1	bystin, putative, expressed	Chr9	11236537	11240954 -	10	2117	6.60
LOC_Os03g16220.3	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed	Chr3	8945065	8947972 -	4	2139	6.60
LOC_Os08g05470.1	expressed protein	Chr8	2909609	2912538 -	5	1481	6.60
LOC_Os03g37100.1	DTW domain containing protein, putative, expressed	Chr3	20563322	20565066 +	1	1777	6.60
LOC_Os03g47610.8	thiamine biosynthesis protein thiC, putative, expressed	Chr3	26952048	26959200 +	6	3874	6.60
LOC_Os07g23210.1	transposon protein, putative, unclassified, expressed	Chr7	13081471	13084596 +	3	3037	6.60
LOC_Os02g35750.1	pentatricopeptide repeat domain containing protein, putative, expressed	Chr2	21471731	21473822 +	1	2124	6.60
LOC_Os06g46570.1	galactosyltransferase, putative, expressed	Chr6	28275643	28279475 +	11	2098	6.60
LOC_Os05g35480.1	anthranilate phosphoribosyltransferase, putative, expressed	Chr5	21080988	21084058 -	1	3103	6.61

LOC_Os10g36350.2	MSP domain containing protein, putative, expressed	Chr10	19415603	19418740 -	9	1470	6.61
LOC_Os11g47410.1	retrotransposon protein, putative, unclassified, expressed	Chr11	28517380	28519357 +	2	1750	6.61
LOC_Os08g05650.2	diacylglycerol kinase, putative, expressed	Chr8	3017356	3022026 +	8	2109	6.61
LOC_Os08g05650.1	diacylglycerol kinase, putative, expressed	Chr8	3017356	3022047 +	8	2137	6.61
LOC_Os03g13000.2	GTP-binding protein, putative, expressed	Chr3	7022844	7025908 +	4	1407	6.61
LOC_Os10g19190.1	vesicle transport protein GOT1B, putative, expressed	Chr10	9776976	9781629 -	7	1212	6.61
LOC_Os08g39420.2	uncharacterized protein yeiN, putative, expressed	Chr8	24929534	24934795 -	12	1780	6.61
LOC_Os08g39420.1	uncharacterized protein yeiN, putative, expressed	Chr8	24929534	24934795 -	11	1850	6.61
LOC_Os03g38790.1	expressed protein	Chr3	21541982	21544581 +	3	774	6.61
LOC_Os05g30920.1	OsFBX167 - F-box domain containing protein, expressed	Chr5	17951299	17954234 +	4	1145	6.61
LOC_Os01g67370.6	expressed protein	Chr1	39131909	39134858 -	5	1736	6.61
LOC_Os12g42040.1	OsWAK126 - OsWAK receptor-like protein kinase, expressed	Chr12	26073357	26076201 +	3	2322	6.61
LOC_Os03g15950.1	enolase, putative, expressed	Chr3	8800461	8805102 -	11	2280	6.61
LOC_Os05g11140.2	CK1_CaseinKinase_1a.5 - CK1 includes the casein kinase 1 kinases, expressed	Chr5	6273306	6282566 -	16	3232	6.61
LOC_Os01g50970.1	expressed protein	Chr1	29285372	29288718 +	4	2229	6.62
LOC_Os03g40920.1	expressed protein	Chr3	22739267	22743374 +	2	3007	6.62
LOC_Os08g44320.1	low molecular weight protein-tyrosine-phosphatase slr0328, putative, expressed	Chr8	27888895	27893038 -	6	1343	6.62
LOC_Os10g41000.2	retrotransposon protein, putative, unclassified, expressed	Chr10	22015038	22019101 -	7	2671	6.62
LOC_Os10g36350.1	MSP domain containing protein, putative, expressed	Chr10	19415560	19418740 -	9	1469	6.62
LOC_Os04g37750.1	expressed protein	Chr4	22445324	22447425 +	4	1678	6.62
LOC_Os08g21330.3	formamidopyrimidine-DNA glycosylase, putative, expressed	Chr8	12710873	12719471 +	9	2381	6.62
LOC_Os04g57510.1	exostosin family domain containing protein, expressed	Chr4	34209652	34214800 -	4	3243	6.62
LOC_Os04g57510.2	exostosin family domain containing protein, expressed	Chr4	34209652	34214800 -	4	3275	6.62
LOC_Os02g10540.1	ribosomal protein L7/L12 C-terminal domain containing protein, expressed	Chr2	5550032	5552116 -	2	1324	6.62
LOC_Os03g16430.2	RNA polymerase sigma factor, putative, expressed	Chr3	9064856	9068078 +	7	2245	6.62
LOC_Os03g16430.1	RNA polymerase sigma factor, putative, expressed	Chr3	9064856	9068078 +	6	2304	6.62
LOC_Os04g35240.1	CAMK_CAMK_like.25 - CAMK includes calcium/calmodulin dependent protein kinases, expressed	Chr4	21414496	21419956 +	9	1875	6.62
LOC_Os02g48290.1	thioredoxin reductase 2, putative, expressed	Chr2	29550948	29554249 +	2	1567	6.62
LOC_Os03g02720.1	expressed protein	Chr3	1021458	1024672 +	3	2042	6.63
LOC_Os08g21330.1	formamidopyrimidine-DNA glycosylase, putative, expressed	Chr8	12710873	12719471 +	10	2473	6.63
LOC_Os07g17130.1	FYVE zinc finger domain containing protein, expressed	Chr7	10064207	10068023 +	5	2302	6.63
LOC_Os11g20790.1	adenylate kinase, putative, expressed	Chr11	12034629	12039479 +	6	1286	6.63
LOC_Os08g06020.1	MSP domain containing protein, expressed	Chr8	3285006	3289874 -	8	1474	6.63
LOC_Os05g30920.3	OsFBX167 - F-box domain containing protein, expressed	Chr5	17951299	17954255 +	3	1236	6.63
LOC_Os06g03690.2	RNA recognition motif containing protein, putative, expressed	Chr6	1455383	1458725 +	6	1623	6.63
LOC_Os05g44320.3	WD domain, G-beta repeat domain containing protein, expressed	Chr5	25788753	25793522 -	7	3405	6.63
LOC_Os05g44320.2	WD domain, G-beta repeat domain containing protein, expressed	Chr5	25788753	25793522 -	7	3420	6.63
LOC_Os05g44320.1	WD domain, G-beta repeat domain containing protein, expressed	Chr5	25788753	25793638 -	8	3476	6.63
LOC_Os01g73550.1	mitochondrial-processing peptidase subunit alpha, mitochondrial precursor, putative, expressed	Chr1	42614788	42618386 +	13	2342	6.63
LOC_Os01g12650.1	reticulon domain containing protein, putative, expressed	Chr1	6967620	6970164 +	5	1461	6.63
LOC_Os01g69950.1	ribosomal protein L27, putative, expressed	Chr1	40453829	40456679 +	3	2064	6.63
LOC_Os04g42000.1	6,7-dimethyl-8-ribityllumazine synthase, chloroplast precursor, putative, expressed	Chr4	24878141	24881728 -	8	1345	6.63
LOC_Os03g38490.1	DAG protein, chloroplast precursor, putative, expressed	Chr3	21363895	21368916 +	4	1420	6.63
LOC_Os01g27720.1	E3 ubiquitin-protein ligase MGRN1, putative, expressed	Chr1	15453620	15457813 +	3	1620	6.63
LOC_Os05g29880.1	3-hydroxyacyl-CoA dehydrogenase, putative, expressed	Chr5	17289245	17295226 +	15	2421	6.64

LOC_Os12g44180.1	nodulin, putative, expressed	Chr12	27407370	27411233 +	2	2365	6.64
LOC_Os01g49490.1	expressed protein	Chr1	28467690	28471172 -	5	944	6.64
LOC_Os02g50780.1	glycosyl hydrolase family 47 domain contain protein, expressed	Chr2	31003959	31008703 +	15	2530	6.64
LOC_Os08g01130.1	flap endonuclease, putative, expressed	Chr8	87245	91948 -	14	3104	6.64
LOC_Os03g42770.1	expressed protein	Chr3	23817641	23824229 -	7	2386	6.64
LOC_Os07g45360.1	DEAD/DEAH box helicase domain containing protein, expressed	Chr7	27055343	27059643 +	11	2855	6.64
LOC_Os05g01020.3	transcriptional repressor, putative, expressed	Chr5	38746	40978 -	6	1133	6.64
LOC_Os05g01020.4	transcriptional repressor, putative, expressed	Chr5	38746	40978 -	5	1177	6.64
LOC_Os12g32630.1	OsFBX448 - F-box domain containing protein, expressed	Chr12	19684832	19687895 -	2	1684	6.64
LOC_Os02g13150.2	pollen-specific protein SF21, putative, expressed	Chr2	7008184	7010651 +	10	1980	6.65
LOC_Os04g48060.1	RFC2 - Putative clamp loader of PCNA, replication factor C subunit 2, expressed	Chr4	28597313	28600302 +	7	1571	6.65
LOC_Os01g73550.2	mitochondrial-processing peptidase subunit alpha, mitochondrial precursor, putative, expressed	Chr1	42614788	42618386 +	12	2393	6.65
LOC_Os02g12610.1	hsp20/alpha crystallin family protein, putative, expressed	Chr2	6587089	6588245 -	1	1189	6.65
LOC_Os02g05520.1	expressed protein	Chr2	2668556	2671036 +	8	1250	6.65
LOC_Os03g51230.2	SNF2 family N-terminal domain containing protein, expressed	Chr3	29305420	29311726 +	15	3710	6.65
LOC_Os08g40820.2	expressed protein	Chr8	25817761	25823321 +	5	2278	6.65
LOC_Os08g33650.1	SET domain-containing protein, putative, expressed	Chr8	21014458	21015857 +	1	1432	6.65
LOC_Os12g32630.2	OsFBX448 - F-box domain containing protein, expressed	Chr12	19684832	19687895 -	2	1951	6.66
LOC_Os09g36244.1	expressed protein	Chr9	20906765	20908479 +	4	900	6.66
LOC_Os02g55120.1	translation initiation factor IF-3, putative, expressed	Chr2	33758966	33762633 -	10	1835	6.66
LOC_Os01g39630.1	DNA repair protein Rad51, putative, expressed	Chr1	22353190	22358405 -	9	1951	6.66
LOC_Os01g39630.2	DNA repair protein Rad51, putative, expressed	Chr1	22353190	22358405 -	9	1961	6.66
LOC_Os11g06810.1	expressed protein	Chr11	3332446	3338962 +	7	3744	6.66
LOC_Os04g57310.1	thiol-disulphide oxidoreductase DCC, putative, expressed	Chr4	34119501	34123601 +	8	1750	6.66
LOC_Os04g57310.2	thiol-disulphide oxidoreductase DCC, putative, expressed	Chr4	34119501	34123601 +	8	1746	6.66
LOC_Os03g03150.2	WD repeat-containing protein, putative, expressed	Chr3	1327397	1331210 +	11	2399	6.66
LOC_Os03g51230.1	SNF2 family N-terminal domain containing protein, expressed	Chr3	29305911	29311726 +	14	3569	6.66
LOC_Os10g41000.1	retrotransposon protein, putative, unclassified, expressed	Chr10	22014949	22019101 -	6	2912	6.66
LOC_Os08g40820.1	expressed protein	Chr8	25817761	25823466 +	5	2444	6.66
LOC_Os06g50880.1	WD domain, G-beta repeat domain containing protein, expressed	Chr6	30776898	30779652 -	5	1960	6.66
LOC_Os03g13960.2	expressed protein	Chr3	7575109	7577428 -	4	1498	6.67
LOC_Os03g44430.1	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr3	25001591	25003485 -	1	1927	6.67
LOC_Os04g38640.2	OsDegp5 - Putative Deg protease homologue, expressed	Chr4	22954845	22960460 +	13	2102	6.67
LOC_Os04g38640.1	OsDegp5 - Putative Deg protease homologue, expressed	Chr4	22954845	22960460 +	13	2113	6.67
LOC_Os07g42080.1	expressed protein	Chr7	25192300	25194950 +	8	1270	6.67
LOC_Os12g10650.1	expressed protein	Chr12	5692861	5696278 +	5	1149	6.67
LOC_Os06g43280.1	paxneb-related protein, putative, expressed	Chr6	26006182	26010413 -	8	2912	6.67
LOC_Os03g19760.2	HAD-superfamily hydrolase, subfamily IA, variant 3 containing protein, expressed	Chr3	11104620	11122447 +	24	4352	6.67
LOC_Os06g44080.1	ubiquitin family protein, putative, expressed	Chr6	26585560	26588132 +	3	930	6.68
LOC_Os04g42784.1	DNA mismatch repair protein, putative, expressed	Chr4	25323642	25340031 -	22	4605	6.68
LOC_Os09g26730.1	chaperonin, putative, expressed	Chr9	16236438	16240793 -	5	1416	6.68
LOC_Os01g09230.1	expressed protein	Chr1	4650095	4651961 +	2	1504	6.68
LOC_Os05g13370.1	OsRhmbd12 - Putative Rhomboid homologue, expressed	Chr5	7418020	7422194 -	7	1559	6.68
LOC_Os04g37660.2	protein phosphatase protein, putative, expressed	Chr4	22391154	22393831 -	7	1459	6.68
LOC_Os03g43114.2	expressed protein	Chr3	24049172	24053785 -	3	4541	6.68

LOC_Os03g43114.1	expressed protein	Chr3	24049172	24053785 -	2	4569	6.68
LOC_Os12g35460.1	retrotransposon protein, putative, unclassified, expressed	Chr12	21557424	21568288 +	9	3121	6.68
LOC_Os02g45090.1	expressed protein	Chr2	27352069	27357013 -	7	1872	6.68
LOC_Os03g48040.2	2Fe-2S iron-sulfur cluster binding domain containing protein, expressed	Chr3	27309859	27312904 +	8	1226	6.68
LOC_Os03g48040.1	2Fe-2S iron-sulfur cluster binding domain containing protein, expressed	Chr3	27309857	27312904 +	8	1234	6.68
LOC_Os10g35520.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr10	18998799	19001037 +	5	1547	6.68
LOC_Os02g38060.1	methyltransferase domain containing protein, expressed	Chr2	22990616	22995388 +	9	1646	6.69
LOC_Os02g38060.2	methyltransferase domain containing protein, expressed	Chr2	22990616	22995388 +	8	1697	6.69
LOC_Os01g63840.2	3-deoxy-D-manno-octulosonic-acid transferase, putative, expressed	Chr1	37039556	37043234 -	10	1845	6.69
LOC_Os08g07550.1	hAT dimerisation domain-containing protein, putative, expressed	Chr8	4242935	4243883 +	1	981	6.69
LOC_Os01g14040.1	D-tyrosyl-tRNA, putative, expressed	Chr1	7857826	7860061 -	8	1221	6.69
LOC_Os02g48360.1	pyrophosphate--fructose 6-phosphate 1-phosphotransferase subunit alpha, putative, expressed	Chr2	29604449	29610243 -	18	2864	6.69
LOC_Os01g18320.1	protoporphyrinogen oxidase, chloroplast precursor, putative, expressed	Chr1	10291889	10295536 +	9	2301	6.69
LOC_Os07g31550.1	powdery mildew resistant protein 5, putative, expressed	Chr7	18727988	18733568 +	6	1842	6.69
LOC_Os03g17450.1	nucleotide binding protein, putative, expressed	Chr3	9703689	9707179 +	6	1324	6.69
LOC_Os05g01970.4	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr5	552021	561773 +	10	1840	6.69
LOC_Os08g04840.1	MYB family transcription factor, putative, expressed	Chr8	2433787	2436913 +	3	1748	6.69
LOC_Os07g01490.1	kinesin motor domain containing protein, putative, expressed	Chr7	306009	309744 -	10	2968	6.69
LOC_Os03g38790.2	expressed protein	Chr3	21542265	21544654 +	4	660	6.69
LOC_Os04g39610.1	glycerophosphoryl diester phosphodiesterase family protein, putative, expressed	Chr4	23606626	23611506 +	9	3540	6.70
LOC_Os04g39610.2	glycerophosphoryl diester phosphodiesterase family protein, putative, expressed	Chr4	23606626	23611506 +	7	3711	6.70
LOC_Os07g19494.1	expressed protein	Chr7	11528001	11533710 +	9	2072	6.70
LOC_Os07g37680.2	expressed protein	Chr7	22590906	22594640 +	8	1778	6.70
LOC_Os07g37680.1	expressed protein	Chr7	22590906	22594641 +	8	1792	6.70
LOC_Os06g02510.2	ribosomal protein L13, putative, expressed	Chr6	867364	869824 -	5	1236	6.70
LOC_Os06g02510.1	ribosomal protein L13, putative, expressed	Chr6	867364	869824 -	5	1241	6.70
LOC_Os06g02510.4	ribosomal protein L13, putative, expressed	Chr6	867364	869824 -	4	1291	6.70
LOC_Os06g02510.3	ribosomal protein L13, putative, expressed	Chr6	867364	869824 -	5	1340	6.70
LOC_Os06g02510.5	ribosomal protein L13, putative, expressed	Chr6	867364	869824 -	3	1380	6.70
LOC_Os05g01970.3	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr5	552021	561773 +	10	1856	6.70
LOC_Os11g37090.1	pumilio-family RNA binding repeat domain containing protein, expressed	Chr11	21892581	21897269 -	6	3377	6.70
LOC_Os02g48360.2	pyrophosphate--fructose 6-phosphate 1-phosphotransferase subunit alpha, putative, expressed	Chr2	29604449	29610243 -	17	2947	6.70
LOC_Os03g19520.2	cyclin-related protein, putative, expressed	Chr3	10970763	10979478 -	20	4495	6.70
LOC_Os03g19520.1	cyclin-related protein, putative, expressed	Chr3	10970763	10979478 -	20	4492	6.70
LOC_Os08g05290.1	receptor-like protein kinase 5 precursor, putative, expressed	Chr8	2771088	2774524 +	2	3260	6.70
LOC_Os01g44110.1	serine/threonine-protein kinase, putative, expressed	Chr1	25281682	25286614 +	9	2896	6.70
LOC_Os03g08580.2	expressed protein	Chr3	4416647	4419117 +	5	1498	6.70
LOC_Os03g08580.1	expressed protein	Chr3	4416604	4419117 +	5	1571	6.70
LOC_Os03g08580.3	expressed protein	Chr3	4416631	4419117 +	4	1650	6.70
LOC_Os07g01490.2	kinesin motor domain containing protein, putative, expressed	Chr7	306009	309744 -	9	3281	6.71
LOC_Os06g43570.1	peptidase, T1 family, putative, expressed	Chr6	26199320	26204623 -	8	1629	6.71
LOC_Os09g15835.1	OBP32pep, putative, expressed	Chr9	9663456	9665794 -	6	1671	6.71
LOC_Os03g39740.2	expressed protein	Chr3	22110421	22116473 -	8	3650	6.71
LOC_Os06g04350.1	expressed protein	Chr6	1849923	1853898 -	9	1888	6.71
LOC_Os06g42770.1	type II intron maturase protein, putative, expressed	Chr6	25711868	25714681 -	2	2776	6.71

LOC_Os03g36439.1	F-box domain containing protein, expressed	Chr3	20188446	20190628 -	3	747	6.71
LOC_Os05g41640.3	phosphoglycerate kinase protein, putative, expressed	Chr5	24378361	24381762 -	7	2538	6.71
LOC_Os06g36910.1	pentatricopeptide, putative, expressed	Chr6	21750356	21752419 +	1	2096	6.71
LOC_Os07g09914.1	expressed protein	Chr7	5276942	5279196 +	1	2287	6.71
LOC_Os05g02150.1	expressed protein	Chr5	658106	660255 -	2	1842	6.71
LOC_Os03g39740.1	expressed protein	Chr3	22110418	22116477 -	8	3741	6.71
LOC_Os05g45050.1	reticulon domain containing protein, putative, expressed	Chr5	26180088	26182354 -	5	1374	6.71
LOC_Os05g45050.2	reticulon domain containing protein, putative, expressed	Chr5	26180088	26182354 -	4	1443	6.71
LOC_Os01g39134.1	EF hand family protein, putative, expressed	Chr1	22021847	22027269 -	7	2034	6.72
LOC_Os07g08170.1	ruvB-like, putative, expressed	Chr7	4150687	4156066 -	12	2553	6.72
LOC_Os03g13370.1	tetratricopeptide repeat domain containing protein, expressed	Chr3	7211429	7221257 +	17	3171	6.72
LOC_Os03g55470.1	expressed protein	Chr3	31553921	31558338 +	6	2574	6.72
LOC_Os04g43430.2	pentatricopeptide, putative, expressed	Chr4	25702074	25707426 -	3	4276	6.72
LOC_Os08g33640.1	expressed protein	Chr8	21010736	21013624 +	7	1567	6.72
LOC_Os08g33640.2	expressed protein	Chr8	21010714	21013624 +	7	1584	6.72
LOC_Os08g14460.2	expressed protein	Chr8	8680808	8686512 -	15	2930	6.72
LOC_Os08g14460.1	expressed protein	Chr8	8680840	8686512 -	14	2953	6.72
LOC_Os12g05090.1	peptidyl-prolyl isomerase, putative, expressed	Chr12	2236010	2239464 +	7	1736	6.72
LOC_Os01g63840.1	3-deoxy-D-manno-octulosonic-acid transferase, putative, expressed	Chr1	37039556	37043234 -	11	2000	6.72
LOC_Os01g57460.1	frataxin, putative, expressed	Chr1	33205177	33208686 +	5	2092	6.73
LOC_Os06g10880.3	bZIP transcription factor, putative, expressed	Chr6	5677080	5682126 +	6	1588	6.73
LOC_Os06g10880.1	bZIP transcription factor, putative, expressed	Chr6	5677080	5682126 +	5	1874	6.73
LOC_Os03g36750.1	cbbY, putative, expressed	Chr3	20379616	20387075 +	8	1518	6.73
LOC_Os01g22660.1	GDSL-like lipase/acylhydrolase, putative, expressed	Chr1	12742056	12746046 +	5	2148	6.73
LOC_Os03g07370.1	HNH endonuclease domain-containing protein, putative, expressed	Chr3	3744427	3746086 -	4	1086	6.73
LOC_Os07g07080.1	regulator of chromosome condensation/beta-lactamase-inhibitor protein II, putative, expressed	Chr7	3491976	3499332 -	12	4696	6.73
LOC_Os11g03200.1	EMB2748, putative, expressed	Chr11	1162136	1164910 -	7	1446	6.73
LOC_Os06g10880.2	bZIP transcription factor, putative, expressed	Chr6	5677080	5682126 +	4	1931	6.73
LOC_Os09g07480.1	membrane associated DUF588 domain containing protein, putative, expressed	Chr9	3745683	3749470 +	3	1344	6.73
LOC_Os02g05680.1	apoptosis-inducing factor 2, putative, expressed	Chr2	2776407	2779386 +	4	1605	6.74
LOC_Os04g19740.1	transketolase, chloroplast precursor, putative, expressed	Chr4	11026653	11032683 +	7	2791	6.74
LOC_Os04g11830.1	TCP family transcription factor, putative, expressed	Chr4	6490902	6495625 -	1	4756	6.74
LOC_Os03g10540.1	OsFBX78 - F-box domain containing protein, expressed	Chr3	5372966	5379447 +	5	1931	6.74
LOC_Os08g42950.1	haloacid dehalogenase-like hydrolase family protein, putative, expressed	Chr8	27142260	27144969 +	7	1686	6.74
LOC_Os05g01970.5	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr5	552021	554342 +	7	1381	6.74
LOC_Os02g05680.2	apoptosis-inducing factor 2, putative, expressed	Chr2	2776407	2779386 +	3	2519	6.74
LOC_Os03g44290.2	expansin precursor, putative, expressed	Chr3	24894952	24898217 +	7	1673	6.74
LOC_Os03g44290.1	expansin precursor, putative, expressed	Chr3	24894957	24898217 +	7	1689	6.74
LOC_Os03g44290.3	expansin precursor, putative, expressed	Chr3	24894957	24898217 +	6	1846	6.74
LOC_Os02g11060.1	WD domain, G-beta repeat domain containing protein, expressed	Chr2	5924720	5930096 +	7	1893	6.74
LOC_Os05g02410.1	expressed protein	Chr5	791891	794673 +	3	877	6.74
LOC_Os02g53830.1	MTD1, putative, expressed	Chr2	32965719	32968767 +	2	1327	6.74
LOC_Os01g67590.1	oligopeptidase, putative, expressed	Chr1	39289297	39296646 +	20	3234	6.75
LOC_Os02g49840.3	OsMADS57 - MADS-box family gene with MIKc type-box, expressed	Chr2	30456666	30461554 +	3	1067	6.75
LOC_Os08g09270.1	pentatricopeptide, putative, expressed	Chr8	5384443	5388851 +	7	2300	6.75

LOC_Os07g07654.1	BT1 family protein, putative, expressed	Chr7	3834230	3840289 +	10	2294	6.75
LOC_Os02g53790.1	adenylate kinase, putative, expressed	Chr2	32951605	32955086 +	9	1544	6.75
LOC_Os09g07820.2	exosome complex exonuclease, putative, expressed	Chr9	3959855	3965192 +	12	1721	6.75
LOC_Os11g11340.1	CIP111, putative, expressed	Chr11	6288905	6295161 +	10	3733	6.75
LOC_Os01g57630.2	pentatricopeptide containing protein, putative, expressed	Chr1	33318040	33321777 +	2	1856	6.75
LOC_Os06g50910.2	Phosphatidylinositol kinase and FAT containing domain protein, putative, expressed	Chr6	30803811	30815783 -	17	8780	6.75
LOC_Os10g08599.1	expressed protein	Chr10	4671318	4674002 +	2	2106	6.75
LOC_Os03g21730.1	receptor-like protein kinase precursor, putative, expressed	Chr3	12411275	12415224 +	3	3757	6.76
LOC_Os03g64415.1	kinesin motor domain containing protein, putative, expressed	Chr3	36402736	36405403 -	8	1993	6.76
LOC_Os12g35060.2	expressed protein	Chr12	21331671	21337057 +	12	1790	6.76
LOC_Os12g35060.3	expressed protein	Chr12	21331671	21337057 +	11	1866	6.76
LOC_Os01g63800.1	pleckstrin homology domain-containing protein, putative, expressed	Chr1	37017028	37018048 +	1	1053	6.76
LOC_Os08g07480.1	DNA-directed RNA polymerase subunit, putative, expressed	Chr8	4191605	4200965 -	10	4367	6.76
LOC_Os03g59450.1	transporter-related, putative, expressed	Chr3	33837942	33841754 -	4	2163	6.76
LOC_Os02g55420.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr2	33942024	33946395 +	11	2223	6.76
LOC_Os08g03850.1	expressed protein	Chr8	1838516	1839042 +	2	514	6.76
LOC_Os08g28214.5	tesmin/TSO1-like CXC domain containing protein, expressed	Chr8	17217571	17221240 -	5	1619	6.77
LOC_Os05g43670.1	IQ calmodulin-binding motif family protein, putative, expressed	Chr5	25390732	25392521 -	2	1770	6.77
LOC_Os11g34320.1	regulator of chromosome condensation, putative, expressed	Chr11	20119442	20125144 -	13	1634	6.77
LOC_Os12g42210.1	OsDegp15 - Putative Deg protease homologue, expressed	Chr12	26180159	26184989 +	8	1532	6.77
LOC_Os09g07820.1	exosome complex exonuclease, putative, expressed	Chr9	3959855	3965192 +	11	1772	6.77
LOC_Os09g07820.3	exosome complex exonuclease, putative, expressed	Chr9	3959855	3965192 +	10	1834	6.77
LOC_Os02g55470.1	alpha-1,6-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase, putative, expressed	Chr2	33971370	33972686 +	1	1349	6.77
LOC_Os03g06440.2	RNA helicase SDE3, putative, expressed	Chr3	3215482	3220186 -	6	4095	6.77
LOC_Os03g06440.1	RNA helicase SDE3, putative, expressed	Chr3	3215478	3220186 -	5	4183	6.77
LOC_Os02g32660.2	1,4-alpha-glucan-branching enzyme, chloroplast precursor, putative, expressed	Chr2	19358471	19367127 -	16	2780	6.77
LOC_Os06g14040.1	ThiF family domain containing protein, putative, expressed	Chr6	7825468	7829696 +	11	2236	6.77
LOC_Os03g13000.1	GTP-binding protein, putative, expressed	Chr3	7022844	7026175 +	5	1619	6.77
LOC_Os06g48650.3	OsSub52 - Putative Subtilisin homologue, expressed	Chr6	29434401	29441099 +	10	3128	6.78
LOC_Os05g01970.2	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr5	552021	561497 +	8	1675	6.78
LOC_Os12g32820.2	pleiotropic drug resistance protein 3, putative, expressed	Chr12	19833705	19837081 -	10	2748	6.78
LOC_Os11g31480.1	ATP binding protein, putative, expressed	Chr11	18391479	18399504 -	5	5581	6.78
LOC_Os05g01970.1	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr5	552021	561773 +	9	1897	6.78
LOC_Os04g56070.2	COP9 signalosome complex subunit 5b, putative, expressed	Chr4	33394485	33397972 +	7	1732	6.78
LOC_Os04g56070.1	COP9 signalosome complex subunit 5b, putative, expressed	Chr4	33394485	33397972 +	6	1751	6.78
LOC_Os03g52970.3	deoxyhypusine synthase, putative, expressed	Chr3	30381679	30386097 +	8	2118	6.78
LOC_Os03g02430.1	PPR repeat domain containing protein, putative, expressed	Chr3	861240	862777 -	3	1449	6.78
LOC_Os02g10400.1	expressed protein	Chr2	5470929	5475134 -	8	1702	6.78
LOC_Os02g45120.2	expressed protein	Chr2	27369109	27371822 +	4	1088	6.78
LOC_Os02g45120.3	expressed protein	Chr2	27369109	27371822 +	3	1165	6.78
LOC_Os03g05710.1	acetyltransferase, GNAT family, putative, expressed	Chr3	2843447	2844831 -	1	1417	6.79
LOC_Os04g34620.1	expressed protein	Chr4	20949614	20952806 -	4	1825	6.79
LOC_Os06g50900.1	expressed protein	Chr6	30799405	30801417 +	3	1893	6.79
LOC_Os03g12630.1	expressed protein	Chr3	6716365	6720197 +	2	757	6.79
LOC_Os05g49120.2	NLI interacting factor-like phosphatase, putative, expressed	Chr5	28176577	28182471 +	8	2492	6.79

LOC_Os05g34170.3	tubulin/FtsZ domain containing protein, putative, expressed	Chr5	20204127	20207554	+	5	1918	6.79
LOC_Os03g17990.2	Yip1 domain containing protein, expressed	Chr3	10016479	10019739	+	2	1386	6.79
LOC_Os03g17990.1	Yip1 domain containing protein, expressed	Chr3	10016468	10019739	+	2	1735	6.79
LOC_Os03g54063.1	expressed protein	Chr3	30994449	30996809	-	2	2338	6.79
LOC_Os10g36680.1	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr10	19616304	19618622	-	2	2001	6.79
LOC_Os03g22700.1	cyclin-dependent kinase C-2, putative, expressed	Chr3	13110912	13115736	-	6	2398	6.79
LOC_Os01g65450.1	ubiquitin-like domain-containing CTD phosphatase 1, putative, expressed	Chr1	37986807	37991778	-	6	1580	6.80
LOC_Os01g65450.2	ubiquitin-like domain-containing CTD phosphatase 1, putative, expressed	Chr1	37986809	37991795	-	7	1595	6.80
LOC_Os03g10800.2	BTBN4 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 N	Chr3	5529950	5534468	+	5	3458	6.80
LOC_Os01g57630.1	pentatricopeptide containing protein, putative, expressed	Chr1	33318035	33322910	+	3	2180	6.80
LOC_Os04g32510.1	expressed protein	Chr4	19564239	19566320	+	4	1103	6.80
LOC_Os08g42730.1	radical SAM enzyme, putative, expressed	Chr8	27034929	27038859	+	6	1718	6.80
LOC_Os05g49120.1	NLI interacting factor-like phosphatase, putative, expressed	Chr5	28176577	28182471	+	7	2575	6.80
LOC_Os03g10540.2	OsFBX78 - F-box domain containing protein, expressed	Chr3	5375349	5379447	+	4	1908	6.80
LOC_Os08g40930.1	Alpha amylase, catalytic domain containing protein, expressed	Chr8	25892391	25900576	-	18	4348	6.80
LOC_Os03g57330.1	IQ calmodulin-binding motif domain containing protein, expressed	Chr3	32700604	32704499	-	7	2287	6.80
LOC_Os11g41540.2	disease resistance RPP8-like protein 3, putative, expressed	Chr11	24911501	24917044	+	4	4599	6.80
LOC_Os03g63590.1	metallo-beta-lactamase, putative, expressed	Chr3	35908631	35911694	-	5	2619	6.81
LOC_Os03g57330.3	IQ calmodulin-binding motif domain containing protein, expressed	Chr3	32700604	32704373	-	7	2197	6.81
LOC_Os04g24710.1	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr4	14185877	14187787	-	1	1943	6.81
LOC_Os09g34960.1	hydroxymethylglutaryl-CoA synthase, putative, expressed	Chr9	20367318	20371359	+	12	2573	6.81
LOC_Os01g22660.2	GDSL-like lipase/acylhydrolase, putative, expressed	Chr1	12742056	12746046	+	4	3794	6.81
LOC_Os03g03150.1	WD repeat-containing protein, putative, expressed	Chr3	1327397	1331210	+	10	2589	6.81
LOC_Os03g16874.3	expressed protein	Chr3	9375951	9377728	+	3	692	6.81
LOC_Os03g16874.1	expressed protein	Chr3	9375951	9377728	+	3	698	6.81
LOC_Os12g35060.1	expressed protein	Chr12	21330149	21337057	+	13	2143	6.81
LOC_Os05g08410.1	ATP10 protein, expressed	Chr5	4585199	4588999	-	7	1286	6.81
LOC_Os05g08410.2	ATP10 protein, expressed	Chr5	4585199	4588999	-	6	1394	6.81
LOC_Os11g41540.1	disease resistance RPP8-like protein 3, putative, expressed	Chr11	24911501	24917050	+	4	4648	6.82
LOC_Os01g01670.2	expressed protein	Chr1	330238	332339	-	2	1181	6.82
LOC_Os02g38490.4	expressed protein	Chr2	23272523	23274491	+	3	495	6.82
LOC_Os09g28560.1	protein phosphatase protein, putative, expressed	Chr9	17366407	17371403	-	9	2066	6.82
LOC_Os07g42590.1	OsFBX258 - F-box domain containing protein, expressed	Chr7	25488221	25490062	+	1	1874	6.82
LOC_Os09g28300.2	remorin C-terminal domain containing protein, putative, expressed	Chr9	17183709	17188378	+	8	2826	6.82
LOC_Os09g28300.1	remorin C-terminal domain containing protein, putative, expressed	Chr9	17182867	17188378	+	8	3164	6.82
LOC_Os08g40820.3	expressed protein	Chr8	25817761	25823466	+	4	4552	6.82
LOC_Os06g01690.1	septum site-determining protein minD, putative, expressed	Chr6	410926	413145	+	2	1428	6.82
LOC_Os04g48030.1	heat stress transcription factor B-1, putative, expressed	Chr4	28574411	28576248	+	2	1800	6.82
LOC_Os01g58550.1	methyladenine glycosylase, putative, expressed	Chr1	33837388	33841176	+	5	2424	6.82
LOC_Os02g06650.1	COX VIIa, putative, expressed	Chr2	3344763	3347430	-	3	848	6.82
LOC_Os07g23169.1	methyltransferase, putative, expressed	Chr7	13057792	13068285	-	7	1722	6.82
LOC_Os02g35750.2	pentatricopeptide repeat domain containing protein, putative, expressed	Chr2	21471731	21475468	+	2	2933	6.82
LOC_Os03g52970.1	deoxyhypusine synthase, putative, expressed	Chr3	30381679	30386050	+	8	2092	6.82
LOC_Os03g43420.1	single-stranded DNA-binding protein, putative, expressed	Chr3	24215221	24219448	-	5	1526	6.83
LOC_Os09g31280.2	OTU-like cysteine protease family protein, putative, expressed	Chr9	18805788	18808749	+	7	1557	6.83

LOC_Os09g31280.1	OTU-like cysteine protease family protein, putative, expressed	Chr9	18805788	18808749 +	6	1604	6.83
LOC_Os04g40150.2	glycosyl transferase family 17 protein, putative, expressed	Chr4	23892683	23896476 -	2	2660	6.83
LOC_Os03g16874.2	expressed protein	Chr3	9375951	9377728 +	4	931	6.83
LOC_Os02g03000.2	division protein, putative, expressed	Chr2	1178839	1182756 -	7	2883	6.83
LOC_Os01g10350.1	MPPN domain containing protein, expressed	Chr1	5442857	5446266 +	3	1578	6.83
LOC_Os02g35180.1	OsRR2 type-A response regulator, expressed	Chr2	21128620	21131370 -	6	1887	6.83
LOC_Os08g16914.1	expressed protein	Chr8	10360409	10364290 -	5	2355	6.83
LOC_Os08g16914.2	expressed protein	Chr8	10360409	10364290 -	5	2355	6.83
LOC_Os02g43870.1	inactive receptor kinase At2g26730 precursor, putative, expressed	Chr2	26494499	26497710 -	2	1965	6.83
LOC_Os03g59640.1	magnesium-chelatase subunit chlD, chloroplast precursor, putative, expressed	Chr3	33955198	33961962 +	15	3145	6.83
LOC_Os04g40150.1	glycosyl transferase family 17 protein, putative, expressed	Chr4	23892683	23896476 -	2	2725	6.83
LOC_Os01g61380.1	lactate/malate dehydrogenase, putative, expressed	Chr1	35499017	35501765 +	2	1826	6.84
LOC_Os09g35790.1	HSF-type DNA-binding domain containing protein, expressed	Chr9	20591230	20595143 -	3	1876	6.84
LOC_Os09g35790.3	HSF-type DNA-binding domain containing protein, expressed	Chr9	20591230	20595143 -	2	894	6.84
LOC_Os04g36590.1	transposon protein, putative, unclassified, expressed	Chr4	22074971	22077951 +	3	2745	6.84
LOC_Os03g11660.1	cysteine synthase, putative, expressed	Chr3	6085639	6089052 +	6	1972	6.84
LOC_Os11g36050.1	prefoldin subunit, putative, expressed	Chr11	21185518	21187738 +	2	985	6.84
LOC_Os01g37832.2	thioredoxin, putative, expressed	Chr1	21167873	21172661 +	9	1954	6.84
LOC_Os01g37832.1	thioredoxin, putative, expressed	Chr1	21167873	21172661 +	10	1393	6.84
LOC_Os12g36950.1	CTP synthase, putative, expressed	Chr12	22656374	22662600 -	23	2941	6.84
LOC_Os04g25360.2	tRNA methyltransferase complex GCD14 subunit, putative, expressed	Chr4	14675329	14677874 +	2	1582	6.84
LOC_Os02g58210.1	jmjC domain containing protein, expressed	Chr2	35624137	35630806 +	16	3977	6.84
LOC_Os02g58210.2	jmjC domain containing protein, expressed	Chr2	35624137	35630806 +	16	3974	6.84
LOC_Os07g47780.2	60S ribosomal protein L18-3, putative, expressed	Chr7	28537586	28540125 +	5	1037	6.84
LOC_Os03g14580.1	expressed protein	Chr3	7911693	7914289 +	6	1448	6.84
LOC_Os12g36950.3	CTP synthase, putative, expressed	Chr12	22656374	22662600 -	24	3033	6.85
LOC_Os06g15420.1	asparagine synthetase, putative, expressed	Chr6	8758769	8765753 -	14	2952	6.85
LOC_Os01g32790.1	expressed protein	Chr1	17994549	17997769 -	3	1697	6.85
LOC_Os10g34602.1	csAtPR5, putative, expressed	Chr10	18446071	18449621 +	3	1422	6.85
LOC_Os07g47780.1	60S ribosomal protein L18-3, putative, expressed	Chr7	28537586	28540125 +	5	1061	6.85
LOC_Os12g35040.1	2,3-bisphosphoglycerate-independent phosphoglycerate mutase, putative, expressed	Chr12	21324772	21327652 -	5	1932	6.85
LOC_Os06g48650.1	OsSub52 - Putative Subtilisin homologue, expressed	Chr6	29434356	29441106 +	11	3438	6.85
LOC_Os08g13699.1	expressed protein	Chr8	8159951	8162760 -	2	650	6.86
LOC_Os04g55159.1	LTP125 - Protease inhibitor/seed storage/LTP family protein precursor, putative, expressed	Chr4	32792207	32794169 -	1	1995	6.86
LOC_Os02g02390.1	S1 RNA binding domain containing protein, expressed	Chr2	818981	824546 +	15	3216	6.86
LOC_Os01g55740.1	OsRhmbd4 - Putative Rhomboid homologue, expressed	Chr1	32094403	32098715 +	8	1390	6.86
LOC_Os08g19320.1	aberrant root formation protein 4, putative, expressed	Chr8	11558450	11563788 -	14	2515	6.86
LOC_Os01g06660.1	thiamine pyrophosphate enzyme, C-terminal TPP binding domain containing protein, expressed	Chr1	3136104	3140217 -	6	2503	6.86
LOC_Os07g09814.1	OsFBX221 - F-box domain containing protein, expressed	Chr7	5219438	5226721 +	3	1780	6.86
LOC_Os05g47540.4	CPuORF26 - conserved peptide uORF-containing transcript, expressed	Chr5	27229401	27232308 -	10	2048	6.87
LOC_Os05g47540.1	CPuORF26 - conserved peptide uORF-containing transcript, expressed	Chr5	27229401	27233702 -	12	2482	6.87
LOC_Os04g37600.1	phosphate carrier protein, mitochondrial precursor, putative, expressed	Chr4	22362239	22367204 +	7	2065	6.87
LOC_Os05g47540.2	CPuORF26 - conserved peptide uORF-containing transcript, expressed	Chr5	27229401	27233702 -	11	2589	6.88
LOC_Os02g03050.2	dimethyladenosine transferase, putative, expressed	Chr2	1198657	1202304 -	9	2137	6.88
LOC_Os10g11140.1	phosphoglucomutase, putative, expressed	Chr10	6167111	6174631 -	22	2961	6.88

LOC_Os02g50680.1	AAA-type ATPase family protein, putative, expressed	Chr2	30958609	30965278 -	13	2829	6.88
LOC_Os10g11140.2	phosphoglucomutase, putative, expressed	Chr10	6167111	6174631 -	21	3118	6.88
LOC_Os12g17910.1	T-complex protein, putative, expressed	Chr12	10293567	10297912 +	8	2369	6.88
LOC_Os06g47840.1	ZOS6-08 - C2H2 zinc finger protein, expressed	Chr6	28954541	28957840 +	5	1844	6.88
LOC_Os07g10890.2	transcription factor, putative, expressed	Chr7	5951435	5955714 +	9	1795	6.89
LOC_Os08g05790.1	caffeoyl-CoA O-methyltransferase, putative, expressed	Chr8	3101979	3105447 +	9	1895	6.89
LOC_Os11g23880.3	expressed protein	Chr11	13523651	13526257 +	3	1574	6.89
LOC_Os09g24670.2	CAAX amino terminal protease family protein, putative, expressed	Chr9	14680807	14684522 +	9	2375	6.89
LOC_Os03g43990.2	BTBN8 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 N	Chr3	24701063	24704597 -	3	2532	6.89
LOC_Os03g61690.2	protein phosphatase 2C, putative, expressed	Chr3	34960967	34962598 +	3	1547	6.89
LOC_Os02g35700.1	nucleoside diphosphate kinase, putative, expressed	Chr2	21453117	21455895 +	5	1345	6.89
LOC_Os12g33080.1	2-oxoglutarate/malate translocator, chloroplast precursor, putative, expressed	Chr12	20005372	20008889 +	3	2122	6.89
LOC_Os03g26044.1	CSLA5 - cellulose synthase-like family A%3B mannan synthase, expressed	Chr3	14925198	14930396 -	10	3541	6.89
LOC_Os11g29240.1	expressed protein	Chr11	16948515	16953839 -	6	3596	6.89
LOC_Os02g50760.1	heat shock protein DnaJ, putative, expressed	Chr2	30994374	30998999 +	12	2541	6.89
LOC_Os02g50760.3	heat shock protein DnaJ, putative, expressed	Chr2	30994374	30998999 +	10	2636	6.89
LOC_Os08g05790.2	caffeoyl-CoA O-methyltransferase, putative, expressed	Chr8	3101979	3105447 +	9	1922	6.89
LOC_Os03g09270.3	ubiquitin carboxyl-terminal hydrolase 26, putative, expressed	Chr3	4842276	4844355 +	3	1899	6.89
LOC_Os02g35700.2	nucleoside diphosphate kinase, putative, expressed	Chr2	21453132	21455895 +	4	1518	6.89
LOC_Os02g12570.1	pre-mRNA cleavage complex II protein Clp1, putative, expressed	Chr2	6568146	6572535 +	10	1952	6.89
LOC_Os12g03180.1	Mad3/BUB1 homology region 1 domain containing protein, expressed	Chr12	1212877	1216296 -	5	2517	6.89
LOC_Os01g40980.1	helicase, putative, expressed	Chr1	23174817	23186976 -	24	4406	6.90
LOC_Os10g33940.1	auxin response factor 18, putative, expressed	Chr10	18051860	18056913 +	4	2801	6.90
LOC_Os03g15890.2	RNA recognition motif containing protein, expressed	Chr3	8767518	8770536 -	7	1673	6.90
LOC_Os03g15890.1	RNA recognition motif containing protein, expressed	Chr3	8767518	8770548 -	7	1688	6.90
LOC_Os07g41190.1	WD domain, G-beta repeat domain containing protein, expressed	Chr7	24660133	24662594 +	2	2110	6.90
LOC_Os02g50760.2	heat shock protein DnaJ, putative, expressed	Chr2	30994374	30998999 +	11	2590	6.90
LOC_Os05g41640.1	phosphoglycerate kinase protein, putative, expressed	Chr5	24378361	24381762 -	7	2576	6.90
LOC_Os12g35060.4	expressed protein	Chr12	21330149	21337057 +	10	3021	6.90
LOC_Os05g44350.1	conserved uncharacterized protein, putative, expressed	Chr5	25807630	25810952 +	7	1448	6.90
LOC_Os07g42420.1	3-oxoacyl-synthase, putative, expressed	Chr7	25392943	25398603 -	13	2859	6.90
LOC_Os11g12340.2	disease resistance protein RPM1, putative, expressed	Chr11	6889864	6896350 +	2	3454	6.91
LOC_Os03g18540.4	expressed protein	Chr3	10381358	10387602 +	13	2971	6.91
LOC_Os07g22930.3	starch synthase, putative, expressed	Chr7	12916277	12921186 -	13	3204	6.91
LOC_Os07g22930.2	starch synthase, putative, expressed	Chr7	12916277	12924325 -	14	3415	6.91
LOC_Os02g54710.1	expressed protein	Chr2	33495975	33498162 -	2	1140	6.91
LOC_Os09g26370.1	DUF581 domain containing protein, expressed	Chr9	15927025	15928164 +	2	1093	6.91
LOC_Os03g18540.1	expressed protein	Chr3	10381358	10387602 +	12	3140	6.91
LOC_Os07g22930.4	starch synthase, putative, expressed	Chr7	12916277	12920695 -	12	2998	6.91
LOC_Os07g09814.2	OsFBX221 - F-box domain containing protein, expressed	Chr7	5219438	5226721 +	4	1893	6.91
LOC_Os07g10890.1	transcription factor, putative, expressed	Chr7	5951435	5955714 +	9	1936	6.91
LOC_Os05g34670.1	KH domain containing protein, putative, expressed	Chr5	20568919	20573667 -	7	2100	6.91
LOC_Os11g34210.1	aspartyl/glutamyl-tRNA amidotransferase subunit B, putative, expressed	Chr11	20029917	20034675 -	9	2434	6.92
LOC_Os11g34210.2	aspartyl/glutamyl-tRNA amidotransferase subunit B, putative, expressed	Chr11	20029917	20034675 -	9	2447	6.92
LOC_Os07g43810.1	RNA recognition motif containing protein, putative, expressed	Chr7	26211745	26214023 +	4	1366	6.92

LOC_Os03g52970.2	deoxyhypusine synthase, putative, expressed	Chr3	30381679	30386050	+	7	2158	6.92
LOC_Os03g11910.1	DnaK family protein, putative, expressed	Chr3	6243990	6247317	-	2	2384	6.92
LOC_Os02g38820.1	expressed protein	Chr2	23465969	23468071	-	6	1476	6.92
LOC_Os12g39370.2	expressed protein	Chr12	24215420	24217870	+	7	1066	6.92
LOC_Os07g36450.1	PPR repeat domain containing protein, putative, expressed	Chr7	21802731	21805279	-	2	1288	6.92
LOC_Os08g31970.2	NHL repeat-containing protein, putative, expressed	Chr8	19826775	19829675	+	4	1778	6.93
LOC_Os08g31970.1	NHL repeat-containing protein, putative, expressed	Chr8	19826775	19829675	+	4	1774	6.93
LOC_Os12g39370.1	expressed protein	Chr12	24215420	24217876	+	6	1136	6.93
LOC_Os03g05320.3	expressed protein	Chr3	2581184	2583582	+	5	1428	6.93
LOC_Os03g05320.2	expressed protein	Chr3	2581186	2583582	+	6	1318	6.93
LOC_Os10g33690.1	GDSL-like lipase/acylhydrolase, putative, expressed	Chr10	17766864	17772031	+	7	1464	6.93
LOC_Os03g11910.2	DnaK family protein, putative, expressed	Chr3	6243990	6247317	-	3	2483	6.93
LOC_Os03g20380.2	CAMK_KIN1/SNF1/Nim1_like.2 - CAMK includes calcium/calmodulin dependent protein kinases, e	Chr3	11526273	11531983	-	14	2251	6.93
LOC_Os01g37832.3	thioredoxin, putative, expressed	Chr1	21167873	21172661	+	9	2333	6.93
LOC_Os02g30114.2	expressed protein	Chr2	17887846	17889823	-	4	1315	6.93
LOC_Os07g41260.1	PPR repeat domain containing protein, putative, expressed	Chr7	24724562	24728180	+	2	2048	6.93
LOC_Os03g05320.1	expressed protein	Chr3	2581203	2583582	+	6	1322	6.93
LOC_Os05g47540.5	CPuORF26 - conserved peptide uORF-containing transcript, expressed	Chr5	27229401	27233006	-	12	2581	6.93
LOC_Os08g36250.1	expressed protein	Chr8	22849376	22851227	-	1	1884	6.93
LOC_Os03g18540.2	expressed protein	Chr3	10381358	10387602	+	11	3248	6.93
LOC_Os08g03670.1	galactosyltransferase family protein, putative, expressed	Chr8	1744492	1749163	+	7	2863	6.94
LOC_Os10g30190.1	BTBP2 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with pentapeptide repeats, expressed	Chr10	15689665	15693104	-	11	1974	6.94
LOC_Os01g15600.1	PUR ALPHA-1, putative, expressed	Chr1	8759370	8763491	+	5	1464	6.94
LOC_Os12g04210.1	mitochondrial glycoprotein, putative, expressed	Chr12	1774948	1777703	-	3	1043	6.94
LOC_Os03g05660.1	appr-1-p processing enzyme family protein, putative, expressed	Chr3	2822929	2828096	-	14	2776	6.94
LOC_Os01g62900.1	amino acid kinase, putative, expressed	Chr1	36430978	36440843	+	21	4113	6.94
LOC_Os03g20860.1	expressed protein	Chr3	11808351	11813203	-	8	1430	6.94
LOC_Os10g12354.1	endonuclease, putative, expressed	Chr10	6868486	6878306	+	6	2590	6.94
LOC_Os01g73680.1	aspartyl aminopeptidase, putative, expressed	Chr1	42689893	42696058	+	9	2812	6.94
LOC_Os10g12354.2	endonuclease, putative, expressed	Chr10	6868486	6878306	+	6	2600	6.95
LOC_Os06g36170.1	initiator tRNA phosphoribosyl transferase family protein, putative, expressed	Chr6	21167582	21171548	-	7	2274	6.95
LOC_Os05g40220.1	transposon protein, putative, unclassified, expressed	Chr5	23622659	23627034	-	5	2685	6.95
LOC_Os05g40220.2	transposon protein, putative, unclassified, expressed	Chr5	23622659	23627034	-	5	2688	6.95
LOC_Os01g37260.1	OsFBX14 - F-box domain containing protein, expressed	Chr1	20805805	20810166	+	5	1979	6.95
LOC_Os01g37260.2	OsFBX14 - F-box domain containing protein, expressed	Chr1	20805790	20810162	+	5	1981	6.95
LOC_Os05g47540.3	CPuORF26 - conserved peptide uORF-containing transcript, expressed	Chr5	27229401	27233662	-	13	2919	6.95
LOC_Os05g07790.1	DNA binding protein, putative, expressed	Chr5	4195278	4200491	-	11	2387	6.95
LOC_Os02g46956.2	expressed protein	Chr2	28669044	28672377	+	6	1634	6.95
LOC_Os02g46956.1	expressed protein	Chr2	28669044	28672392	+	6	1655	6.95
LOC_Os02g09930.2	CSLA1 - cellulose synthase-like family A%3B mannan synthase, expressed	Chr2	5151783	5158885	-	8	2512	6.95
LOC_Os02g09930.1	CSLA1 - cellulose synthase-like family A%3B mannan synthase, expressed	Chr2	5151783	5158917	-	9	2473	6.95
LOC_Os01g51040.1	transmembrane protein 16K, putative, expressed	Chr1	29318192	29322569	-	16	2951	6.95
LOC_Os06g39690.2	SOUL heme-binding protein, putative, expressed	Chr6	23559642	23563074	+	9	1781	6.95
LOC_Os06g39690.1	SOUL heme-binding protein, putative, expressed	Chr6	23559642	23563074	+	9	1785	6.95
LOC_Os08g37780.1	NOL1/NOP2/sun family protein, putative, expressed	Chr8	23926908	23934321	-	15	3261	6.96

LOC_Os08g37780.2	NOL1/NOP2/sun family protein, putative, expressed	Chr8	23926908	23934321 -	15	3256	6.96
LOC_Os04g02500.5	G-patch domain containing protein, expressed	Chr4	907555	909965 +	5	1637	6.96
LOC_Os03g59650.2	BRCA1 C Terminus domain containing protein, expressed	Chr3	33962373	33968064 +	10	3660	6.96
LOC_Os03g59650.1	BRCA1 C Terminus domain containing protein, expressed	Chr3	33962373	33968064 +	10	3666	6.96
LOC_Os03g59650.3	BRCA1 C Terminus domain containing protein, expressed	Chr3	33962373	33968064 +	10	3678	6.96
LOC_Os05g09400.3	30S ribosomal protein S31, chloroplast precursor, putative, expressed	Chr5	5276192	5277765 -	3	1332	6.96
LOC_Os05g09400.1	30S ribosomal protein S31, chloroplast precursor, putative, expressed	Chr5	5276192	5277765 -	3	1368	6.96
LOC_Os03g20380.1	CAMK_KIN1/SNF1/Nim1_like.2 - CAMK includes calcium/calmodulin depeudent protein kinases, e	Chr3	11526272	11531983 -	15	2338	6.96
LOC_Os04g53230.1	aminomethyltransferase, putative, expressed	Chr4	31700907	31703617 +	3	1636	6.96
LOC_Os02g55180.2	ubiquitin carboxyl-terminal hydrolase domain containing protein, expressed	Chr2	33797366	33803864 +	11	4374	6.96
LOC_Os02g55180.1	ubiquitin carboxyl-terminal hydrolase domain containing protein, expressed	Chr2	33797366	33803864 +	11	4398	6.96
LOC_Os05g11550.1	serine/threonine protein phosphatase 5, putative, expressed	Chr5	6529795	6537354 +	13	2338	6.96
LOC_Os07g35720.1	expressed protein	Chr7	21391473	21393539 -	3	1466	6.96
LOC_Os02g37070.1	expressed protein	Chr2	22401334	22402093 +	1	792	6.96
LOC_Os04g14410.1	expressed protein	Chr4	8064649	8072284 -	6	1883	6.97
LOC_Os03g20380.5	CAMK_KIN1/SNF1/Nim1_like.2 - CAMK includes calcium/calmodulin depeudent protein kinases, e	Chr3	11526272	11531983 -	16	2547	6.97
LOC_Os10g34230.1	cytokinin dehydrogenase precursor, putative, expressed	Chr10	18270169	18274977 +	5	2960	6.97
LOC_Os07g01950.2	expressed protein	Chr7	583516	586787 +	2	858	6.97
LOC_Os07g01950.1	expressed protein	Chr7	583516	586787 +	3	812	6.97
LOC_Os03g53310.1	emp24/gp25L/p24 family protein, putative, expressed	Chr3	30596382	30599551 -	4	1304	6.97
LOC_Os01g44980.1	peptide deformylase, putative, expressed	Chr1	25519992	25523268 -	7	1282	6.97
LOC_Os05g11550.2	serine/threonine protein phosphatase 5, putative, expressed	Chr5	6529795	6537354 +	12	2459	6.97
LOC_Os12g39370.3	expressed protein	Chr12	24215420	24217870 +	5	1444	6.97
LOC_Os05g01350.1	retrotransposon protein, putative, unclassified, expressed	Chr5	213567	217690 +	4	3181	6.97
LOC_Os06g49310.2	MATE efflux family protein, putative, expressed	Chr6	29877099	29885249 +	9	2695	6.97
LOC_Os07g06390.4	expressed protein	Chr7	3105284	3109490 -	6	1961	6.97
LOC_Os03g20380.7	CAMK_KIN1/SNF1/Nim1_like.2 - CAMK includes calcium/calmodulin depeudent protein kinases, e	Chr3	11526273	11531116 -	14	3040	6.97
LOC_Os06g28880.1	retrotransposon protein, putative, unclassified, expressed	Chr6	16471613	16478261 -	5	1211	6.97
LOC_Os03g58540.1	spo0B-associated GTP-binding protein, putative, expressed	Chr3	33334430	33338512 +	9	2209	6.97
LOC_Os03g21600.1	expressed protein	Chr3	12334484	12337467 -	4	1994	6.97
LOC_Os06g12220.1	HVA22, putative, expressed	Chr6	6559753	6563394 -	6	1360	6.97
LOC_Os01g74030.1	pumilio-family RNA binding protein, putative, expressed	Chr1	42876539	42882964 -	9	3928	6.97
LOC_Os01g53020.1	heat shock protein DnaJ, putative, expressed	Chr1	30472593	30475205 +	9	1712	6.98
LOC_Os03g20380.3	CAMK_KIN1/SNF1/Nim1_like.2 - CAMK includes calcium/calmodulin depeudent protein kinases, e	Chr3	11526273	11531983 -	12	2547	6.98
LOC_Os07g06390.3	expressed protein	Chr7	3105284	3109490 -	7	2096	6.98
LOC_Os07g06390.2	expressed protein	Chr7	3105284	3109490 -	7	2168	6.98
LOC_Os03g53950.1	strictosidine synthase, putative, expressed	Chr3	30927223	30929823 -	3	1960	6.98
LOC_Os02g21260.1	OsFBL8 - F-box domain and LRR containing protein, expressed	Chr2	12613768	12618503 -	2	1673	6.98
LOC_Os01g04200.2	metallo-beta-lactamase family protein, putative, expressed	Chr1	1849834	1856303 +	13	2839	6.98
LOC_Os07g01150.3	fatty acid hydroxylase, putative, expressed	Chr7	88336	90761 +	8	1602	6.99
LOC_Os02g03050.1	dimethyladenosine transferase, putative, expressed	Chr2	1198096	1202330 -	10	2242	6.99
LOC_Os12g42430.2	IQ calmodulin-binding motif domain containing protein, expressed	Chr12	26369224	26374188 -	7	2093	6.99
LOC_Os03g17590.1	cat eye syndrome critical region protein 5 precursor, putative, expressed	Chr3	9783786	9788821 -	11	2118	6.99
LOC_Os06g48650.2	OsSub52 - Putative Subtilisin homologue, expressed	Chr6	29435100	29441099 +	10	3440	6.99
LOC_Os03g58540.2	spo0B-associated GTP-binding protein, putative, expressed	Chr3	33334430	33338512 +	8	2293	6.99

LOC_Os03g58540.3	spo0B-associated GTP-binding protein, putative, expressed	Chr3	33334430	33338512	+	7	2381	6.99
LOC_Os01g04200.3	metallo-beta-lactamase family protein, putative, expressed	Chr1	1849837	1856303	+	12	3049	6.99
LOC_Os01g01390.5	expressed protein	Chr1	197647	200803	+	3	1150	7.00
LOC_Os10g34740.1	methyltransferase, putative, expressed	Chr10	18548190	18552850	+	13	2272	7.00
LOC_Os08g14490.1	dehydrogenase-phosphopantetheinyltransferase, putative, expressed	Chr8	8703799	8708988	+	8	1872	7.00
LOC_Os01g49010.2	ORC4 - Putative origin recognition complex subunit 4, expressed	Chr1	28161732	28166115	+	16	2015	7.00
LOC_Os09g29100.1	cyclin, putative, expressed	Chr9	17680696	17683508	+	6	2062	7.00
LOC_Os01g59100.1	cytokinin-N-glucosyltransferase 1, putative, expressed	Chr1	34141403	34145203	+	2	2136	7.00
LOC_Os03g09270.2	ubiquitin carboxyl-terminal hydrolase 26, putative, expressed	Chr3	4842276	4844355	+	2	2058	7.01
LOC_Os05g30210.1	expressed protein	Chr5	17506661	17510762	+	6	2616	7.01
LOC_Os02g38250.1	EMB1745, putative, expressed	Chr2	23132028	23140339	-	15	3177	7.01
LOC_Os01g27730.1	GTPase of unknown function domain containing protein, putative, expressed	Chr1	15462065	15466760	-	9	2888	7.01
LOC_Os05g40260.1	acetyltransferase, GNAT family, putative, expressed	Chr5	23642766	23646937	+	7	1690	7.01
LOC_Os04g49580.2	nucleolar complex protein, putative, expressed	Chr4	29571617	29577671	-	14	2431	7.01
LOC_Os03g20380.8	CAMK_KIN1/SNF1/Nim1_like.2 - CAMK includes calcium/calmodulin dependent protein kinases, e	Chr3	11526272	11531983	-	11	2809	7.01
LOC_Os09g38330.1	MORN repeat domain containing protein, expressed	Chr9	22048464	22057029	-	17	3417	7.02
LOC_Os07g35720.3	expressed protein	Chr7	21391473	21393560	-	2	2055	7.02
LOC_Os06g12990.1	tRNA methyltransferase, putative, expressed	Chr6	7118829	7120448	+	3	1217	7.02
LOC_Os08g05560.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr8	2972597	2976414	+	9	2607	7.02
LOC_Os06g06210.2	expressed protein	Chr6	2874350	2877067	+	2	2306	7.02
LOC_Os09g37446.2	expressed protein	Chr9	21595349	21597946	-	4	2454	7.03
LOC_Os07g35720.2	expressed protein	Chr7	21391473	21393451	-	1	2011	7.03
LOC_Os07g01150.2	fatty acid hydroxylase, putative, expressed	Chr7	88336	90761	+	7	1643	7.03
LOC_Os12g42430.3	IQ calmodulin-binding motif domain containing protein, expressed	Chr12	26369224	26374651	-	7	2073	7.03
LOC_Os11g37330.2	pentatricopeptide repeat domain containing protein, putative, expressed	Chr11	22040368	22044971	+	4	3028	7.03
LOC_Os11g37330.1	pentatricopeptide repeat domain containing protein, putative, expressed	Chr11	22040368	22044971	+	4	3050	7.03
LOC_Os10g34430.1	Dicer, putative, expressed	Chr10	18360484	18372591	+	25	5998	7.03
LOC_Os02g57050.1	diphthamide biosynthesis protein, putative, expressed	Chr2	34934531	34936977	-	2	1789	7.03
LOC_Os03g02730.1	expressed protein	Chr3	1024732	1026761	-	4	1064	7.04
LOC_Os09g13820.1	pollen signalling protein with adenylyl cyclase activity, putative, expressed	Chr9	8118804	8123212	+	4	3807	7.04
LOC_Os12g42430.1	IQ calmodulin-binding motif domain containing protein, expressed	Chr12	26369224	26374651	-	7	2091	7.04
LOC_Os01g51710.1	zinc knuckle domain containing protein, expressed	Chr1	29736288	29739449	-	9	1796	7.04
LOC_Os03g20380.6	CAMK_KIN1/SNF1/Nim1_like.2 - CAMK includes calcium/calmodulin dependent protein kinases, e	Chr3	11526273	11531983	-	16	2781	7.04
LOC_Os01g47256.1	exosome complex exonuclease RRP40, putative, expressed	Chr1	27004253	27008038	+	10	1518	7.04
LOC_Os01g68840.1	CRP6 - Cysteine-rich family protein precursor, expressed	Chr1	39998110	39999091	-	2	956	7.04
LOC_Os06g11600.3	growth regulator related protein, putative, expressed	Chr6	6147243	6151201	+	10	2526	7.04
LOC_Os07g35985.1	expressed protein	Chr7	21524199	21528261	-	2	3218	7.04
LOC_Os03g04270.1	OsFBL10 - F-box domain and LRR containing protein, expressed	Chr3	1956859	1959799	-	4	2455	7.05
LOC_Os05g10570.2	expressed protein	Chr5	5749598	5751023	+	3	981	7.05
LOC_Os09g37446.1	expressed protein	Chr9	21595350	21597946	-	3	2501	7.05
LOC_Os10g36880.1	kinesin motor domain containing protein, putative, expressed	Chr10	19756762	19768053	-	25	4505	7.05
LOC_Os06g48780.1	60S acidic ribosomal protein, putative, expressed	Chr6	29527352	29528953	-	2	751	7.05
LOC_Os01g49010.1	ORC4 - Putative origin recognition complex subunit 4, expressed	Chr1	28161732	28166115	+	16	2150	7.05
LOC_Os05g11750.3	protein kinase, putative, expressed	Chr5	6666868	6671937	-	6	2001	7.05
LOC_Os05g11750.2	protein kinase, putative, expressed	Chr5	6666869	6671971	-	5	2104	7.05

LOC_Os08g01040.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr8	26272	33518 -	7	5636	7.06
LOC_Os09g27980.1	emp24/gp25L/p24 family protein, putative, expressed	Chr9	16996540	16999938 +	4	1371	7.06
LOC_Os03g05049.1	expressed protein	Chr3	2460730	2462190 +	1	1493	7.06
LOC_Os10g02650.1	PPR repeat containing protein, expressed	Chr10	1033932	1037595 -	4	2978	7.06
LOC_Os10g34310.1	PPR repeat containing protein, expressed	Chr10	18297833	18300119 -	2	2188	7.06
LOC_Os10g34310.2	PPR repeat containing protein, expressed	Chr10	18297837	18300228 -	2	2298	7.06
LOC_Os02g30114.1	expressed protein	Chr2	17887846	17889802 -	4	1628	7.06
LOC_Os10g19331.1	expressed protein	Chr10	9860248	9862358 +	1	2143	7.06
LOC_Os01g12670.1	expressed protein	Chr1	6979613	6985778 +	10	2235	7.06
LOC_Os01g12670.2	expressed protein	Chr1	6979613	6985778 +	10	2250	7.06
LOC_Os01g31680.1	uncharacterized protein sll0194, putative, expressed	Chr1	17341202	17346405 -	4	1559	7.06
LOC_Os01g31680.2	uncharacterized protein sll0194, putative, expressed	Chr1	17341202	17346405 -	4	1529	7.06
LOC_Os02g03970.1	PPR repeat domain containing protein, putative, expressed	Chr2	1708915	1716927 -	15	3148	7.06
LOC_Os01g12670.5	expressed protein	Chr1	6979613	6985773 +	10	2233	7.06
LOC_Os04g57739.1	expressed protein	Chr4	34393144	34396573 +	4	1323	7.06
LOC_Os03g51984.1	differentiation protein, putative, expressed	Chr3	29828701	29831679 +	8	1553	7.07
LOC_Os07g01150.1	fatty acid hydroxylase, putative, expressed	Chr7	88336	90761 +	6	1699	7.07
LOC_Os04g52590.1	protein kinase domain containing protein, expressed	Chr4	31263093	31270896 -	20	4049	7.07
LOC_Os05g34170.2	tubulin/FtsZ domain containing protein, putative, expressed	Chr5	20204127	20207554 +	4	2022	7.07
LOC_Os06g49870.1	tRNA-dihydrouridine synthase, putative, expressed	Chr6	30187080	30189238 -	3	1711	7.08
LOC_Os06g09280.1	ATP-dependent RNA helicase, putative, expressed	Chr6	4659377	4667061 +	13	3309	7.08
LOC_Os05g10570.1	expressed protein	Chr5	5749600	5751023 +	4	1078	7.08
LOC_Os05g30340.2	expressed protein	Chr5	17582905	17588053 +	6	2080	7.08
LOC_Os04g35510.2	CENP-E-like kinetochore protein, putative, expressed	Chr4	21609373	21611533 -	5	1715	7.08
LOC_Os01g12180.1	expressed protein	Chr1	6642665	6645196 -	2	1969	7.08
LOC_Os01g73310.1	actin, putative, expressed	Chr1	42484073	42487451 -	5	1786	7.08
LOC_Os05g26902.1	chaperone protein dnaJ, putative, expressed	Chr5	15617643	15622604 -	8	2226	7.08
LOC_Os05g26926.1	chaperone protein dnaJ, putative, expressed	Chr5	15635360	15638497 -	7	2056	7.08
LOC_Os03g63690.1	BCCIP, putative, expressed	Chr3	35970786	35973334 -	8	1638	7.08
LOC_Os11g39300.1	expressed protein	Chr11	23398861	23401546 +	5	598	7.08
LOC_Os04g35510.1	CENP-E-like kinetochore protein, putative, expressed	Chr4	21609373	21611508 -	4	1734	7.08
LOC_Os10g35450.1	serine/threonine-protein kinase, putative, expressed	Chr10	18970490	18975230 +	8	2674	7.09
LOC_Os03g09270.1	ubiquitin carboxyl-terminal hydrolase 26, putative, expressed	Chr3	4840901	4844355 +	5	1629	7.09
LOC_Os08g38320.2	AGC_PVPK_like_kin82y.14 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr8	24274676	24277516 +	3	2450	7.09
LOC_Os02g10310.2	fumarylacetoacetase, putative, expressed	Chr2	5414913	5418208 -	13	1879	7.09
LOC_Os02g10310.3	fumarylacetoacetase, putative, expressed	Chr2	5414913	5417900 -	13	1783	7.09
LOC_Os05g42300.1	NAF1 domain containing protein, expressed	Chr5	24738575	24742551 -	3	3123	7.09
LOC_Os01g08930.1	DEAD-box ATP-dependent RNA helicase, putative, expressed	Chr1	4485747	4490158 -	9	2452	7.09
LOC_Os03g16220.4	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed	Chr3	8945110	8947912 -	4	1271	7.10
LOC_Os05g33290.1	uncharacterized conserved membrane protein specific to cyanobacteria, putative, expressed	Chr5	19509973	19514162 -	9	1522	7.10
LOC_Os02g10310.1	fumarylacetoacetase, putative, expressed	Chr2	5414913	5418652 -	14	2162	7.10
LOC_Os08g38320.1	AGC_PVPK_like_kin82y.14 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr8	24274009	24277516 +	3	2694	7.10
LOC_Os06g01290.1	expressed protein	Chr6	182104	184623 +	4	1026	7.10
LOC_Os03g20380.4	CAMK_KIN1/SNF1/Nim1_like.2 - CAMK includes calcium/calmodulin dependent protein kinases, e	Chr3	11526272	11531983 -	15	2893	7.10
LOC_Os04g37580.1	cation transport regulator-like protein 1, putative, expressed	Chr4	22354947	22357999 -	8	1709	7.10

LOC_Os08g38320.3	AGC_PVPK_like_kin82y.14 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr8	24274360	24277516	+	3	2486	7.10
LOC_Os04g57739.2	expressed protein	Chr4	34393144	34396566	+	3	1703	7.11
LOC_Os07g06300.1	ethylene-insensitive protein 2, putative, expressed	Chr7	3061699	3069673	+	8	4795	7.11
LOC_Os08g33440.1	2-oxo acid dehydrogenases acyltransferase domain containing protein, expressed	Chr8	20858724	20862259	-	6	2052	7.11
LOC_Os06g35050.1	arogenate dehydrogenase 1, chloroplast precursor, putative, expressed	Chr6	20400347	20403403	+	6	1887	7.11
LOC_Os07g06130.3	ethylene-insensitive protein, putative, expressed	Chr7	2984331	2991139	+	8	5047	7.11
LOC_Os07g43390.1	4-alpha-glucanotransferase, chloroplast precursor, putative, expressed	Chr7	25980425	25984955	+	16	2626	7.11
LOC_Os07g06130.1	ethylene-insensitive protein, putative, expressed	Chr7	2984428	2991139	+	7	5050	7.11
LOC_Os03g25450.1	h/ACA ribonucleoprotein complex subunit 4, putative, expressed	Chr3	14545715	14547929	+	1	2247	7.12
LOC_Os06g34120.1	GDSL-like lipase/acylhydrolase, putative, expressed	Chr6	19866070	19870006	-	5	1740	7.12
LOC_Os07g19400.1	pentatricopeptide domain containing protein, putative, expressed	Chr7	11479597	11481898	+	1	2334	7.12
LOC_Os04g28300.1	Rf1, mitochondrial precursor, putative, expressed	Chr4	16753556	16757223	+	3	2631	7.12
LOC_Os02g02480.1	basic helix-loop-helix DND-binding domain containing protein, expressed	Chr2	875238	878615	-	5	2210	7.12
LOC_Os12g35320.1	RING finger and CHY zinc finger domain-containing protein 1, putative, expressed	Chr12	21456301	21459958	+	12	1809	7.12
LOC_Os02g02720.2	SNARE domain containing protein, putative, expressed	Chr2	1022101	1024713	-	8	1234	7.12
LOC_Os02g02720.1	SNARE domain containing protein, putative, expressed	Chr2	1022080	1024751	-	7	1453	7.13
LOC_Os02g56320.1	glycogen synthase 1, putative, expressed	Chr2	34475930	34483804	+	23	3431	7.13
LOC_Os10g36924.1	aquaporin protein, putative, expressed	Chr10	19778055	19785158	-	3	2391	7.13
LOC_Os03g48320.1	disease resistance RPP13-like protein 1, putative, expressed	Chr3	27517616	27521492	-	2	3604	7.13
LOC_Os03g21980.1	tRNA pseudouridine synthase family protein, putative, expressed	Chr3	12591671	12595636	-	7	2174	7.13
LOC_Os03g21980.2	tRNA pseudouridine synthase family protein, putative, expressed	Chr3	12591671	12595636	-	7	2190	7.13
LOC_Os06g36320.1	receptor-like protein kinase 5 precursor, putative, expressed	Chr6	21279310	21282208	+	3	2834	7.14
LOC_Os05g05260.1	helicase, putative, expressed	Chr5	2584798	2590120	-	11	3069	7.14
LOC_Os02g51290.1	HVA22, putative, expressed	Chr2	31407145	31409724	+	6	1314	7.14
LOC_Os11g43320.1	NBS-LRR type disease resistance protein, putative, expressed	Chr11	26139957	26143460	+	1	3536	7.14
LOC_Os01g43050.1	CENP-C1, putative, expressed	Chr1	24559329	24568663	+	18	3473	7.14
LOC_Os04g49580.1	nucleolar complex protein, putative, expressed	Chr4	29571617	29577678	-	15	2644	7.14
LOC_Os08g36450.1	transcription regulator, putative, expressed	Chr8	23001447	23003138	+	1	1724	7.14
LOC_Os04g56654.1	BSD domain-containing protein, putative, expressed	Chr4	33782171	33784081	+	4	993	7.14
LOC_Os07g40030.2	WD domain, G-beta repeat domain containing protein, expressed	Chr7	24020377	24025145	+	11	1809	7.14
LOC_Os05g29880.3	3-hydroxyacyl-CoA dehydrogenase, putative, expressed	Chr5	17289363	17296117	+	17	2719	7.14
LOC_Os12g35590.1	expressed protein	Chr12	21640401	21641720	-	1	1352	7.15
LOC_Os07g43310.1	ribosomal protein L7/L12 C-terminal domain containing protein, expressed	Chr7	25930284	25931363	-	1	1112	7.15
LOC_Os08g19320.2	aberrant root formation protein 4, putative, expressed	Chr8	11558450	11563711	-	13	3131	7.15
LOC_Os04g52230.1	ent-kaurene synthase, chloroplast precursor, putative, expressed	Chr4	31026617	31031248	+	14	3373	7.15
LOC_Os01g47256.4	exosome complex exonuclease RRP40, putative, expressed	Chr1	27004253	27008038	+	10	1631	7.15
LOC_Os01g47256.2	exosome complex exonuclease RRP40, putative, expressed	Chr1	27004253	27008038	+	10	1635	7.15
LOC_Os11g05556.1	signal recognition particle 54 kDa protein, putative, expressed	Chr11	2517481	2521945	+	15	2479	7.15
LOC_Os11g05556.2	signal recognition particle 54 kDa protein, putative, expressed	Chr11	2517481	2521944	+	14	2535	7.15
LOC_Os03g20560.1	biotin--protein ligase, putative, expressed	Chr3	11652964	11653968	-	1	1037	7.15
LOC_Os10g19334.2	alpha-1,2-fucosidase, putative, expressed	Chr10	9861144	9866870	-	8	2837	7.15
LOC_Os03g34310.6	expressed protein	Chr3	19528035	19531714	+	6	1695	7.15
LOC_Os03g34310.2	expressed protein	Chr3	19528037	19531714	+	7	1768	7.15
LOC_Os03g61690.1	protein phosphatase 2C, putative, expressed	Chr3	34960967	34964362	+	4	1973	7.15
LOC_Os11g32880.2	DEAD-box ATP-dependent RNA helicase, putative, expressed	Chr11	19421481	19429665	-	14	3572	7.16

LOC_Os03g45170.1	amino acid permease, putative, expressed	Chr3	25504234	25509983 -	14	2920	7.16
LOC_Os02g49460.1	auxin-independent growth promoter protein, putative, expressed	Chr2	30226406	30230718 +	8	2961	7.16
LOC_Os09g34900.1	bile acid sodium symporter family protein, putative, expressed	Chr9	20337183	20340505 -	8	1946	7.16
LOC_Os06g04620.1	GDP-mannose 4,6 dehydratase 2, putative, expressed	Chr6	2017778	2019458 +	1	1713	7.16
LOC_Os07g39840.1	expressed protein	Chr7	23888290	23891639 -	2	1604	7.17
LOC_Os03g10334.1	expressed protein	Chr3	5271246	5272333 +	3	920	7.17
LOC_Os06g08390.1	Ser/Thr protein phosphatase family protein, putative, expressed	Chr6	4087964	4092245 +	9	1699	7.17
LOC_Os12g35395.1	expressed protein	Chr12	21526777	21528011 -	1	1267	7.17
LOC_Os03g61850.1	transposon protein, putative, unclassified, expressed	Chr3	35065657	35068512 -	5	2680	7.18
LOC_Os03g58620.1	small multi-drug export protein, putative, expressed	Chr3	33388090	33391157 -	2	1373	7.18
LOC_Os01g62440.1	ribonuclease protein, putative, expressed	Chr1	36138699	36146302 -	14	3523	7.18
LOC_Os04g41550.1	CRS1/YhbY domain containing protein, putative, expressed	Chr4	24644170	24647863 +	4	2525	7.18
LOC_Os01g62440.3	ribonuclease protein, putative, expressed	Chr1	36138699	36146302 -	13	3570	7.19
LOC_Os06g13050.1	peroxidase family protein, expressed	Chr6	7148961	7158822 -	18	3108	7.19
LOC_Os12g29340.1	expressed protein	Chr12	17406189	17413878 -	2	1263	7.19
LOC_Os03g55090.1	alpha-glucan phosphorylase isozyme, putative, expressed	Chr3	31332396	31339163 -	15	3335	7.19
LOC_Os05g30340.1	expressed protein	Chr5	17581259	17588207 +	6	2029	7.19
LOC_Os03g43990.1	BTBN8 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 N	Chr3	24701180	24706728 -	4	2822	7.19
LOC_Os02g55020.1	uncharacterized PPR-repeat protein, putative, expressed	Chr2	33706516	33708848 +	2	2283	7.19
LOC_Os01g02080.1	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr1	586414	587780 -	2	1298	7.20
LOC_Os06g49310.1	MATE efflux family protein, putative, expressed	Chr6	29877099	29885249 +	11	4312	7.20
LOC_Os12g22030.2	serine hydroxymethyltransferase, mitochondrial precursor, putative, expressed	Chr12	12392727	12396628 -	4	2095	7.20
LOC_Os12g22030.1	serine hydroxymethyltransferase, mitochondrial precursor, putative, expressed	Chr12	12392727	12396638 -	4	2114	7.20
LOC_Os11g32880.1	DEAD-box ATP-dependent RNA helicase, putative, expressed	Chr11	19421481	19429665 -	15	3691	7.20
LOC_Os11g32880.3	DEAD-box ATP-dependent RNA helicase, putative, expressed	Chr11	19421481	19429665 -	15	3708	7.20
LOC_Os03g05520.1	nicotiana lesion-inducing like, putative, expressed	Chr3	2739454	2743124 -	5	1184	7.20
LOC_Os03g61680.1	huntingtin-interacting protein HYPK, putative, expressed	Chr3	34957020	34959386 -	4	816	7.20
LOC_Os06g02590.1	DUF1336 domain containing protein, expressed	Chr6	913779	921282 +	19	2570	7.20
LOC_Os09g39700.1	expressed protein	Chr9	22778758	22783735 +	9	2830	7.20
LOC_Os01g63870.1	nucleobase-ascorbate transporter, putative, expressed	Chr1	37060600	37064615 +	8	1959	7.21
LOC_Os01g51800.1	expressed protein	Chr1	29783547	29785958 -	3	1347	7.21
LOC_Os07g40030.1	WD domain, G-beta repeat domain containing protein, expressed	Chr7	24020377	24025145 +	11	1831	7.21
LOC_Os06g14190.1	NF-X1-type zinc finger protein, putative, expressed	Chr6	7920479	7924037 -	1	3591	7.21
LOC_Os01g55890.2	amino acid kinase, putative, expressed	Chr1	32185406	32189756 -	12	1650	7.21
LOC_Os01g55890.1	amino acid kinase, putative, expressed	Chr1	32185406	32189756 -	12	1673	7.21
LOC_Os01g55890.3	amino acid kinase, putative, expressed	Chr1	32185406	32189756 -	11	1709	7.21
LOC_Os03g34310.3	expressed protein	Chr3	19528037	19531714 +	5	2207	7.22
LOC_Os03g34310.1	expressed protein	Chr3	19528037	19531714 +	6	2282	7.22
LOC_Os07g47040.3	expressed protein	Chr7	28118147	28125354 +	6	1621	7.22
LOC_Os04g43430.1	pentatricopeptide, putative, expressed	Chr4	25702074	25707506 -	4	4650	7.22
LOC_Os07g40030.3	WD domain, G-beta repeat domain containing protein, expressed	Chr7	24020377	24025145 +	10	1939	7.22
LOC_Os06g04300.1	tRNA 2-phosphotransferase 1, putative, expressed	Chr6	1822766	1826383 -	7	1437	7.22
LOC_Os04g45190.3	MSP domain containing protein, expressed	Chr4	26712547	26715739 -	8	1757	7.22
LOC_Os07g47040.1	expressed protein	Chr7	28118073	28125357 +	6	1706	7.22
LOC_Os03g08730.1	uroporphyrinogen III synthase, putative, expressed	Chr3	4496729	4500873 +	10	1534	7.24

LOC_Os02g56200.1	ELMO/CED-12 family protein, putative, expressed	Chr2	34372386	34378382 -	17	3821	7.24
LOC_Os02g56200.2	ELMO/CED-12 family protein, putative, expressed	Chr2	34372417	34378382 -	16	3849	7.24
LOC_Os12g42810.1	mov34/MPN/PAD-1 family protein, expressed	Chr12	26599731	26604782 +	11	2079	7.24
LOC_Os05g34760.1	expressed protein	Chr5	20620923	20628365 +	10	3462	7.25
LOC_Os01g54990.1	auxin response factor, putative, expressed	Chr1	31617167	31623205 -	11	3317	7.25
LOC_Os01g72800.1	signal recognition particle receptor, putative, expressed	Chr1	42234584	42237458 -	11	1697	7.25
LOC_Os01g55890.6	amino acid kinase, putative, expressed	Chr1	32185406	32189756 -	10	2617	7.25
LOC_Os01g55890.5	amino acid kinase, putative, expressed	Chr1	32185406	32189756 -	9	2653	7.25
LOC_Os03g31160.1	expressed protein	Chr3	17742055	17743913 +	3	994	7.25
LOC_Os04g39780.1	AMP-binding enzyme family protein, expressed	Chr4	23698662	23707348 -	7	7676	7.26
LOC_Os09g12270.1	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr9	6990893	6994473 +	10	2077	7.26
LOC_Os05g34760.2	expressed protein	Chr5	20620921	20628365 +	9	3965	7.26
LOC_Os05g41530.1	ZOS5-11 - C2H2 zinc finger protein, expressed	Chr5	24312853	24317067 +	7	1908	7.26
LOC_Os02g38130.1	no apical meristem protein, putative, expressed	Chr2	23062842	23066549 -	6	2055	7.26
LOC_Os08g03840.2	expressed protein	Chr8	1833558	1836634 +	5	2024	7.26
LOC_Os05g49240.1	homeodomain-related, putative, expressed	Chr5	28253514	28255081 +	2	716	7.26
LOC_Os07g47040.2	expressed protein	Chr7	28120634	28125354 +	5	1525	7.26
LOC_Os03g31160.2	expressed protein	Chr3	17742055	17742902 +	2	813	7.27
LOC_Os10g38206.1	NADPH-dependent oxidoreductase, putative, expressed	Chr10	20464121	20464483 +	1	395	7.27
LOC_Os04g08800.1	expressed protein	Chr4	4816607	4822779 -	2	982	7.27
LOC_Os05g29880.2	3-hydroxyacyl-CoA dehydrogenase, putative, expressed	Chr5	17289209	17296341 +	18	3106	7.27
LOC_Os01g34330.2	BAH domain containing protein, expressed	Chr1	18923609	18939279 +	8	2641	7.27
LOC_Os01g34330.1	BAH domain containing protein, expressed	Chr1	18923606	18939279 +	8	2675	7.27
LOC_Os07g41720.1	nuclear transcription factor Y subunit, putative, expressed	Chr7	24996724	25001218 -	7	1655	7.27
LOC_Os11g03470.3	bifunctional aspartokinase/homoserine dehydrogenase, putative, expressed	Chr11	1329410	1333415 -	12	1812	7.28
LOC_Os11g03470.4	bifunctional aspartokinase/homoserine dehydrogenase, putative, expressed	Chr11	1329410	1333415 -	12	1699	7.28
LOC_Os10g36530.2	mutS domain V family protein, expressed	Chr10	19541307	19549097 +	20	3643	7.28
LOC_Os01g42234.1	amino acid permease family protein, putative, expressed	Chr1	23923718	23933451 +	8	2263	7.28
LOC_Os01g42234.2	amino acid permease family protein, putative, expressed	Chr1	23929691	23933451 +	8	2257	7.28
LOC_Os04g38620.1	NAP domain containing protein, putative, expressed	Chr4	22943177	22946878 -	10	1564	7.28
LOC_Os02g47744.3	MYB family transcription factor, putative, expressed	Chr2	29190320	29195573 +	3	3543	7.28
LOC_Os03g44580.3	DNA binding protein, putative, expressed	Chr3	25101780	25104599 -	2	2330	7.29
LOC_Os02g35039.1	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr2	21027729	21038863 +	10	1654	7.29
LOC_Os04g11890.1	OsFBX121 - F-box domain containing protein, expressed	Chr4	6520533	6522270 -	2	1692	7.29
LOC_Os01g55890.4	amino acid kinase, putative, expressed	Chr1	32185406	32189756 -	11	1883	7.29
LOC_Os02g49360.1	RNA methyltransferase domain-containing protein 2, putative, expressed	Chr2	30159132	30161718 +	3	1601	7.29
LOC_Os02g35039.2	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr2	21027729	21038863 +	9	1695	7.29
LOC_Os02g47744.1	MYB family transcription factor, putative, expressed	Chr2	29190320	29195573 +	2	3974	7.29
LOC_Os11g03470.1	bifunctional aspartokinase/homoserine dehydrogenase, putative, expressed	Chr11	1329410	1333415 -	13	1877	7.29
LOC_Os11g03470.2	bifunctional aspartokinase/homoserine dehydrogenase, putative, expressed	Chr11	1329410	1333415 -	13	1874	7.29
LOC_Os11g06740.1	syntaxin 6, putative, expressed	Chr11	3290806	3293567 +	7	1239	7.29
LOC_Os03g49220.1	adenylosuccinate synthetase, chloroplast precursor, putative, expressed	Chr3	28035486	28038970 +	4	1892	7.30
LOC_Os03g29810.1	OsClp6 - Putative Clp protease homologue, expressed	Chr3	16994268	16997742 +	9	1602	7.30
LOC_Os07g44050.2	expressed protein	Chr7	26325092	26326643 -	3	1290	7.30
LOC_Os05g35190.1	powdery mildew resistant protein 5, putative, expressed	Chr5	20894101	20897891 +	4	2081	7.30

LOC_Os01g34080.1	armadillo/beta-catenin-like repeat family protein, expressed	Chr1	18763270	18774476 +	10	3861	7.30
LOC_Os02g32760.1	60S acidic ribosomal protein, putative, expressed	Chr2	19455122	19458350 -	4	847	7.30
LOC_Os07g41720.2	nuclear transcription factor Y subunit, putative, expressed	Chr7	24996724	25001220 -	7	1788	7.30
LOC_Os01g47256.3	exosome complex exonuclease RRP40, putative, expressed	Chr1	27004253	27008003 +	9	2121	7.30
LOC_Os03g57120.2	ferredoxin--NADP reductase, chloroplast precursor, putative, expressed	Chr3	32566458	32569616 -	5	2194	7.31
LOC_Os03g57120.1	ferredoxin--NADP reductase, chloroplast precursor, putative, expressed	Chr3	32566457	32569616 -	6	1986	7.31
LOC_Os03g49220.2	adenylosuccinate synthetase, chloroplast precursor, putative, expressed	Chr3	28035486	28038970 +	4	1933	7.31
LOC_Os01g42000.1	skin secretory protein xP2 precursor, putative, expressed	Chr1	23812709	23814712 +	1	2036	7.31
LOC_Os06g06560.1	starch synthase, putative, expressed	Chr6	3079059	3086808 -	15	3340	7.31
LOC_Os03g51270.1	OsFBX108 - F-box domain containing protein, expressed	Chr3	29328821	29336560 -	7	3409	7.31
LOC_Os01g12670.4	expressed protein	Chr1	6979613	6984302 +	9	2323	7.31
LOC_Os03g62550.1	retrotransposon protein, putative, unclassified, expressed	Chr3	35414074	35416036 +	2	1932	7.32
LOC_Os05g44190.1	expressed protein	Chr5	25677594	25682600 +	3	3809	7.32
LOC_Os11g11210.1	OsClp12 - Putative Clp protease homologue, expressed	Chr11	6201169	6204659 -	7	1292	7.32
LOC_Os03g44580.1	DNA binding protein, putative, expressed	Chr3	25102494	25104610 -	1	2149	7.32
LOC_Os10g36530.1	mutS domain V family protein, expressed	Chr10	19541307	19549097 +	19	3889	7.32
LOC_Os01g24920.1	poly synthetase 2-B, putative, expressed	Chr1	14031364	14038788 +	13	1824	7.32
LOC_Os02g32730.1	neutral/alkaline invertase, putative, expressed	Chr2	19437743	19442103 +	7	2476	7.32
LOC_Os04g48730.2	expressed protein	Chr4	29065880	29069212 +	6	1675	7.33
LOC_Os02g43560.1	WRKY34, expressed	Chr2	26280253	26283914 -	3	3590	7.33
LOC_Os07g16040.1	erythronate-4-phosphate dehydrogenase domain containing protein, expressed	Chr7	9353041	9357789 +	10	1834	7.33
LOC_Os01g73005.1	expressed protein	Chr1	42358083	42360654 -	11	1814	7.33
LOC_Os05g48870.6	auxin response factor 15, putative, expressed	Chr5	28038009	28039890 -	4	1736	7.34
LOC_Os05g48870.9	auxin response factor 15, putative, expressed	Chr5	28038009	28039890 +	4	1740	7.34
LOC_Os12g02910.1	glycosyl transferase, family 8, putative, expressed	Chr12	1069974	1075419 -	10	3266	7.34
LOC_Os08g08860.1	CRS2-associated factor 2, mitochondrial precursor, putative, expressed	Chr8	5146984	5150352 -	5	2231	7.35
LOC_Os02g06300.1	GTP-binding protein lepA, putative, expressed	Chr2	3143758	3152627 -	22	3527	7.35
LOC_Os01g15660.2	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr1	8810657	8813097 +	3	1715	7.35
LOC_Os05g48870.5	auxin response factor 15, putative, expressed	Chr5	28038009	28039900 +	4	1779	7.35
LOC_Os01g73160.1	40S ribosomal protein S10, putative, expressed	Chr1	42425424	42427258 -	5	700	7.35
LOC_Os05g48870.7	auxin response factor 15, putative, expressed	Chr5	28038009	28039900 +	3	1819	7.36
LOC_Os04g46100.1	expressed protein	Chr4	27318314	27323409 -	6	2283	7.36
LOC_Os05g48870.8	auxin response factor 15, putative, expressed	Chr5	28038009	28039890 +	2	1863	7.36
LOC_Os05g02670.3	kinesin motor domain containing protein, putative, expressed	Chr5	940426	947009 +	23	4452	7.36
LOC_Os05g02670.1	kinesin motor domain containing protein, putative, expressed	Chr5	940429	947009 +	23	4453	7.36
LOC_Os04g48730.1	expressed protein	Chr4	29065880	29069212 +	7	1800	7.36
LOC_Os04g48730.3	expressed protein	Chr4	29065880	29069212 +	6	1852	7.36
LOC_Os01g15660.1	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr1	8809544	8813097 +	8	1525	7.37
LOC_Os07g44050.1	expressed protein	Chr7	26325092	26326643 -	2	1533	7.37
LOC_Os06g48700.1	DNA binding protein, putative, expressed	Chr6	29462262	29467332 -	11	2289	7.37
LOC_Os05g02670.2	kinesin motor domain containing protein, putative, expressed	Chr5	940429	947009 +	24	4571	7.37
LOC_Os10g35240.1	Rf1, mitochondrial precursor, putative, expressed	Chr10	18833387	18836046 -	1	2692	7.38
LOC_Os01g22660.3	GDSL-like lipase/acylhydrolase, putative, expressed	Chr1	12742056	12745509 +	5	1615	7.38
LOC_Os04g44300.2	transposon protein, putative, unclassified, expressed	Chr4	26236222	26240651 -	7	3034	7.38
LOC_Os02g09420.1	cyclase family protein, putative, expressed	Chr2	4831146	4835216 +	6	1341	7.39

LOC_Os04g55970.1	AP2-like ethylene-responsive transcription factor AINTEGUMENTA, putative, expressed	Chr4	33341978	33346562 +	8	2440	7.39
LOC_Os04g55970.2	AP2-like ethylene-responsive transcription factor AINTEGUMENTA, putative, expressed	Chr4	33341978	33346562 +	8	2433	7.39
LOC_Os06g40490.1	glycosyl hydrolases family 17, putative, expressed	Chr6	24127167	24130368 +	3	2099	7.39
LOC_Os11g22404.1	protein phosphatase 2C, putative, expressed	Chr11	12855016	12861914 +	5	2319	7.40
LOC_Os01g42960.1	TTL1, putative, expressed	Chr1	24461037	24465044 +	7	3077	7.41
LOC_Os01g52214.1	ubiquinone oxidoreductase, putative, expressed	Chr1	30020917	30023812 -	2	1083	7.41
LOC_Os01g15660.3	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr1	8809361	8813097 +	5	2731	7.41
LOC_Os05g22990.1	expressed protein	Chr5	13106577	13115821 -	13	3558	7.41
LOC_Os01g43100.1	protein phosphatase 2C, putative, expressed	Chr1	24584654	24589423 +	8	1542	7.41
LOC_Os04g44300.1	transposon protein, putative, unclassified, expressed	Chr4	26236216	26240651 -	6	3116	7.42
LOC_Os12g38590.1	pumilio-family RNA binding repeat containing protein, expressed	Chr12	23703442	23712907 +	9	4431	7.42
LOC_Os05g02310.1	soluble inorganic pyrophosphatase, putative, expressed	Chr5	739646	742966 -	9	1466	7.43
LOC_Os06g45330.1	endonuclease V, putative, expressed	Chr6	27397474	27400410 -	7	1917	7.43
LOC_Os11g14170.1	OsDegp12 - Putative Deg protease homologue, expressed	Chr11	7909213	7917123 +	10	2003	7.43
LOC_Os03g19930.1	adenylosuccinate lyase, putative, expressed	Chr3	11210766	11214946 +	10	2410	7.43
LOC_Os03g19930.4	adenylosuccinate lyase, putative, expressed	Chr3	11210759	11214946 +	9	2462	7.43
LOC_Os03g19930.3	adenylosuccinate lyase, putative, expressed	Chr3	11210759	11214946 +	9	2466	7.43
LOC_Os04g16940.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr4	9262696	9265370 -	5	1924	7.43
LOC_Os06g04530.1	OsClp9 - Putative Clp protease homologue, expressed	Chr6	1949424	1953325 +	9	1606	7.44
LOC_Os06g35540.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr6	20727092	20731771 -	10	2194	7.44
LOC_Os11g06410.3	homeodomain, putative, expressed	Chr11	3091513	3096323 +	3	1946	7.44
LOC_Os01g67490.1	OTU-like cysteine protease family protein, putative, expressed	Chr1	39216579	39219456 -	6	1764	7.44
LOC_Os01g56969.1	homeobox-leucine zipper protein ATHB-54, putative, expressed	Chr1	32900891	32902628 -	2	889	7.44
LOC_Os10g39820.1	zinc knuckle domain containing protein, expressed	Chr10	21311579	21315431 -	4	1633	7.44
LOC_Os11g31680.1	retrotransposon protein, putative, unclassified, expressed	Chr11	18526033	18541221 -	23	5338	7.44
LOC_Os11g06410.2	homeodomain, putative, expressed	Chr11	3091549	3096323 +	4	2021	7.44
LOC_Os09g25260.1	protein binding protein, putative, expressed	Chr9	15126331	15129037 +	3	1439	7.45
LOC_Os11g13620.1	expressed protein	Chr11	7460403	7461781 +	1	1411	7.45
LOC_Os02g47600.1	soluble inorganic pyrophosphatase, putative, expressed	Chr2	29081821	29086715 -	9	1440	7.45
LOC_Os04g26834.1	eukaryotic aspartyl protease domain containing protein, expressed	Chr4	15844553	15853785 -	11	2395	7.45
LOC_Os02g10820.1	Sel1 repeat domain containing protein, putative, expressed	Chr2	5744792	5748141 -	8	1582	7.45
LOC_Os02g37920.1	expressed protein	Chr2	22917816	22924489 -	12	3877	7.46
LOC_Os06g36940.1	expressed protein	Chr6	21763118	21765044 -	2	1442	7.46
LOC_Os06g02500.1	superoxide dismutase, chloroplast, putative, expressed	Chr6	864273	866968 -	8	2007	7.46
LOC_Os12g32820.1	pleiotropic drug resistance protein 3, putative, expressed	Chr12	19832726	19837081 -	13	3123	7.46
LOC_Os01g67490.2	OTU-like cysteine protease family protein, putative, expressed	Chr1	39216698	39219456 -	6	1665	7.46
LOC_Os02g14929.1	T-complex protein, putative, expressed	Chr2	8326083	8343178 -	14	2462	7.46
LOC_Os09g29404.2	glycogen operon protein glgX, putative, expressed	Chr9	17851430	17863822 -	12	2804	7.47
LOC_Os07g01540.1	Ser/Thr protein phosphatase family protein, putative, expressed	Chr7	335223	343722 -	16	4176	7.47
LOC_Os11g06410.1	homeodomain, putative, expressed	Chr11	3091535	3096323 +	3	2965	7.47
LOC_Os09g29404.3	glycogen operon protein glgX, putative, expressed	Chr9	17851430	17864490 -	14	3193	7.47
LOC_Os06g12600.1	kinase, pfkB family, putative, expressed	Chr6	6842811	6848564 +	7	1864	7.48
LOC_Os03g04140.1	serine acetyltransferase protein, putative, expressed	Chr3	1892824	1897309 -	10	2016	7.48
LOC_Os02g12730.1	beta-galactosidase precursor, putative, expressed	Chr2	6655774	6660984 -	17	3713	7.48
LOC_Os01g10100.1	expressed protein	Chr1	5263424	5266102 -	6	1327	7.48

LOC_Os02g12730.3	beta-galactosidase precursor, putative, expressed	Chr2	6655774	6660984 -	16	3769	7.48
LOC_Os01g14920.1	zinc knuckle family protein, putative, expressed	Chr1	8359014	8362270 -	3	1321	7.49
LOC_Os09g39034.2	expressed protein	Chr9	22405455	22414370 -	11	2373	7.49
LOC_Os07g08180.2	PPR repeat containing protein, expressed	Chr7	4156226	4160559 +	4	2825	7.49
LOC_Os03g04140.2	serine acetyltransferase protein, putative, expressed	Chr3	1892824	1897309 -	11	2156	7.49
LOC_Os01g70100.1	zinc finger DHHC domain-containing protein, putative, expressed	Chr1	40566660	40569777 -	5	2005	7.49
LOC_Os01g51430.1	green ripe-like, putative, expressed	Chr1	29572653	29575706 +	3	1285	7.49
LOC_Os07g22640.3	lipid binding protein, putative, expressed	Chr7	12753194	12760678 +	5	1479	7.49
LOC_Os05g43576.1	radical SAM enzyme, putative, expressed	Chr5	25343800	25346261 +	7	1703	7.49
LOC_Os06g44840.2	prenyltransferase, putative, expressed	Chr6	27087517	27092918 +	12	1991	7.50
LOC_Os05g26820.1	CAMK_KIN1/SNF1/Nim1_like.20 - CAMK includes calcium/calmodulin dependent protein kinases,	Chr5	15556059	15560409 +	2	2175	7.50
LOC_Os03g34310.4	expressed protein	Chr3	19528037	19531714 +	5	2608	7.50
LOC_Os11g29700.3	expressed protein	Chr11	17210644	17212826 -	6	936	7.51
LOC_Os05g46450.1	fiber protein Fb11, putative, expressed	Chr5	26907723	26910953 -	3	855	7.51
LOC_Os09g39034.1	expressed protein	Chr9	22405458	22414370 -	11	2385	7.51
LOC_Os03g03140.1	RNA recognition motif containing protein, putative, expressed	Chr3	1322549	1324485 +	3	1357	7.51
LOC_Os06g04330.1	expressed protein	Chr6	1838557	1842840 -	7	1885	7.51
LOC_Os06g04330.2	expressed protein	Chr6	1838557	1842840 -	6	1935	7.51
LOC_Os09g29404.1	glycogen operon protein glgX, putative, expressed	Chr9	17857352	17868669 -	23	4179	7.51
LOC_Os01g67490.3	OTU-like cysteine protease family protein, putative, expressed	Chr1	39216661	39219456 -	5	1774	7.52
LOC_Os01g10100.2	expressed protein	Chr1	5263422	5266102 -	5	1524	7.52
LOC_Os12g42230.1	transketolase, putative, expressed	Chr12	26200179	26203631 +	3	1793	7.52
LOC_Os01g67570.1	PDE312/PTAC10, putative, expressed	Chr1	39270532	39274996 -	12	2647	7.52
LOC_Os03g14050.1	thaumatin-like protein 1 precursor, putative, expressed	Chr3	7626461	7629682 +	3	2066	7.52
LOC_Os12g26870.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr12	15748917	15751684 -	3	2070	7.52
LOC_Os02g07740.1	RNA binding protein, putative, expressed	Chr2	4034222	4038406 +	8	1934	7.52
LOC_Os07g37010.2	cyclin, putative, expressed	Chr7	22169511	22171723 -	6	1634	7.53
LOC_Os07g37010.1	cyclin, putative, expressed	Chr7	22169511	22171932 -	6	1852	7.53
LOC_Os06g44840.1	prenyltransferase, putative, expressed	Chr6	27087455	27092919 +	13	2196	7.53
LOC_Os02g01030.2	tetratricopeptide repeat domain containing protein, expressed	Chr2	14069	18598 +	10	2000	7.53
LOC_Os02g01030.1	tetratricopeptide repeat domain containing protein, expressed	Chr2	14061	18598 +	10	2011	7.53
LOC_Os02g01030.4	tetratricopeptide repeat domain containing protein, expressed	Chr2	14061	18598 +	9	2067	7.53
LOC_Os01g33030.1	Brix domain containing protein, putative, expressed	Chr1	18140743	18142908 -	6	1614	7.53
LOC_Os02g30955.1	expressed protein	Chr2	18494382	18495143 -	1	794	7.54
LOC_Os07g08180.1	PPR repeat containing protein, expressed	Chr7	4156203	4159791 +	1	3621	7.54
LOC_Os11g11410.4	OslAA27 - Auxin-responsive Aux/IAA gene family member, expressed	Chr11	6340137	6342304 +	4	847	7.54
LOC_Os12g43363.1	fatty acid hydroxylase, putative, expressed	Chr12	26902155	26905925 +	7	1652	7.55
LOC_Os12g43363.3	fatty acid hydroxylase, putative, expressed	Chr12	26902155	26905925 +	7	1661	7.55
LOC_Os12g43363.2	fatty acid hydroxylase, putative, expressed	Chr12	26902152	26905925 +	7	1671	7.55
LOC_Os06g39480.1	SPOC domain containing protein, putative, expressed	Chr6	23442839	23449453 -	6	3812	7.55
LOC_Os01g72210.1	early-responsive to dehydration protein-related, putative, expressed	Chr1	41869930	41874402 +	10	3227	7.55
LOC_Os01g72210.2	early-responsive to dehydration protein-related, putative, expressed	Chr1	41869930	41874556 +	10	3388	7.55
LOC_Os12g42300.1	potassium efflux antiporter protein, putative, expressed	Chr12	26299853	26306151 -	18	3899	7.55
LOC_Os02g35620.1	expressed protein	Chr2	21419921	21422365 -	1	2477	7.55
LOC_Os03g34310.5	expressed protein	Chr3	19528037	19531693 +	2	3469	7.56

LOC_Os04g51280.1	DAG protein, chloroplast precursor, putative, expressed	Chr4	30377262	30379530 +	4	1084	7.56
LOC_Os06g10280.1	CDP-alcohol phosphatidyltransferase, putative, expressed	Chr6	5276590	5285926 -	18	2344	7.56
LOC_Os09g25260.2	protein binding protein, putative, expressed	Chr9	15126250	15128929 +	2	2660	7.56
LOC_Os11g11410.1	OsIAA27 - Auxin-responsive Aux/IAA gene family member, expressed	Chr11	6335893	6342309 +	5	1695	7.56
LOC_Os08g10470.2	histone-lysine N-methyltransferase ASHR2, putative, expressed	Chr8	6155162	6157813 +	2	1754	7.56
LOC_Os08g10470.1	histone-lysine N-methyltransferase ASHR2, putative, expressed	Chr8	6155162	6157815 +	2	1760	7.56
LOC_Os11g11020.1	DAG protein, chloroplast precursor, putative, expressed	Chr11	6087979	6091482 -	5	1717	7.57
LOC_Os02g10810.1	protein of unknown function domain containing protein, expressed	Chr2	5740408	5742520 -	5	1030	7.57
LOC_Os02g58150.1	expressed protein	Chr2	35584961	35589249 +	2	1588	7.57
LOC_Os06g42730.1	OsPOP14 - Putative Prolyl Oligopeptidase homologue, expressed	Chr6	25698741	25702801 +	6	1752	7.57
LOC_Os02g35150.1	splicing factor U2AF, putative, expressed	Chr2	21110728	21116484 +	8	3098	7.57
LOC_Os01g51754.3	alpha-amylase precursor, putative, expressed	Chr1	29762378	29766397 +	5	2585	7.57
LOC_Os10g07290.1	glycosyl hydrolases family 17, putative, expressed	Chr10	3849207	3851735 -	2	1861	7.57
LOC_Os12g40300.1	SKP1, putative, expressed	Chr12	24957948	24961239 +	2	1010	7.58
LOC_Os01g16290.2	DNA gyrase subunit B, chloroplast/mitochondrial precursor, putative, expressed	Chr1	9225213	9235012 +	17	2801	7.58
LOC_Os12g07020.1	5-formyltetrahydrofolate cyclo-ligase, putative, expressed	Chr12	3431908	3437224 +	7	1788	7.58
LOC_Os01g67720.3	ABC1 family domain containing protein, putative, expressed	Chr1	39357455	39362884 -	12	2316	7.58
LOC_Os01g67720.1	ABC1 family domain containing protein, putative, expressed	Chr1	39357455	39362884 -	12	2320	7.58
LOC_Os01g67720.2	ABC1 family domain containing protein, putative, expressed	Chr1	39357455	39362884 -	11	2366	7.58
LOC_Os03g24940.2	proline-rich family protein, putative, expressed	Chr3	14213073	14220614 -	13	2663	7.59
LOC_Os03g24940.1	proline-rich family protein, putative, expressed	Chr3	14213073	14220683 -	13	2716	7.59
LOC_Os03g14050.2	thaumatin-like protein 1 precursor, putative, expressed	Chr3	7626455	7629682 +	2	3157	7.59
LOC_Os03g59264.1	calreticulin family protein, expressed	Chr3	33744357	33750440 -	10	3866	7.59
LOC_Os01g72820.5	CRS1/YhbY domain containing protein, putative, expressed	Chr1	42240837	42245248 +	6	2110	7.59
LOC_Os01g64030.1	OsFBL5 - F-box domain and LRR containing protein, expressed	Chr1	37190435	37197804 -	4	2395	7.60
LOC_Os05g35520.3	deoxynucleoside kinase family, putative, expressed	Chr5	21114280	21117398 +	5	2065	7.60
LOC_Os01g64030.3	OsFBL5 - F-box domain and LRR containing protein, expressed	Chr1	37190435	37197804 -	3	2458	7.60
LOC_Os01g64030.2	OsFBL5 - F-box domain and LRR containing protein, expressed	Chr1	37190435	37197804 -	3	2469	7.60
LOC_Os01g64030.4	OsFBL5 - F-box domain and LRR containing protein, expressed	Chr1	37190435	37197804 -	2	2575	7.60
LOC_Os03g15120.1	imidazole glycerol phosphate synthase hisHF, chloroplast precursor, putative, expressed	Chr3	8255433	8260811 -	17	2619	7.60
LOC_Os05g41880.1	mutS domain V family protein, expressed	Chr5	24522895	24532290 +	20	2513	7.60
LOC_Os05g41640.2	phosphoglycerate kinase protein, putative, expressed	Chr5	24378809	24381762 -	6	2364	7.60
LOC_Os03g49710.1	ribosomal protein S13p/S18e, putative, expressed	Chr3	28301288	28303246 +	3	978	7.60
LOC_Os04g50110.1	RNA recognition motif containing protein, putative, expressed	Chr4	29888072	29891194 -	5	1548	7.60
LOC_Os05g47470.1	VIP1 protein, putative, expressed	Chr5	27198354	27199393 +	1	1072	7.61
LOC_Os03g19930.2	adenylosuccinate lyase, putative, expressed	Chr3	11210759	11214946 +	8	2886	7.61
LOC_Os05g35520.2	deoxynucleoside kinase family, putative, expressed	Chr5	21112635	21117398 +	6	1978	7.61
LOC_Os07g06940.1	valyl-tRNA synthetase, putative, expressed	Chr7	3394839	3400179 +	13	2232	7.61
LOC_Os06g02340.1	OsFBX183 - F-box domain containing protein, expressed	Chr6	779995	782325 +	2	1669	7.61
LOC_Os05g35520.1	deoxynucleoside kinase family, putative, expressed	Chr5	21112585	21117398 +	5	2177	7.61
LOC_Os04g43922.1	exosome complex exonuclease rrp4, putative, expressed	Chr4	26036773	26041443 -	7	1710	7.61
LOC_Os05g47470.2	VIP1 protein, putative, expressed	Chr5	27198351	27199581 +	1	1263	7.61
LOC_Os05g48200.1	glutamate synthase, chloroplast precursor, putative, expressed	Chr5	27622654	27636451 +	22	7630	7.62
LOC_Os01g39840.2	expressed protein	Chr1	22471886	22474413 -	2	2352	7.62
LOC_Os12g07050.1	RNA polymerase II subunit A C-terminal domain phosphatase ssu72, putative, expressed	Chr12	3450066	3454059 -	4	1343	7.62

LOC_Os12g07050.3	RNA polymerase II subunit A C-terminal domain phosphatase ssu72, putative, expressed	Chr12	3450066	3454059 -	3	1648	7.62
LOC_Os02g52280.1	expressed protein	Chr2	32008014	32017071 +	21	4477	7.63
LOC_Os10g32550.1	T-complex protein, putative, expressed	Chr10	17048041	17053445 +	18	2805	7.64
LOC_Os07g15270.1	RNA-binding region RNP-1, putative, expressed	Chr7	8807273	8811507 +	3	3130	7.64
LOC_Os05g09630.2	homeobox domain containing protein, expressed	Chr5	5441429	5445212 +	8	2605	7.65
LOC_Os03g06510.1	KIP1, putative, expressed	Chr3	3258437	3270596 +	8	8575	7.65
LOC_Os03g11500.1	DUF647 domain containing protein, putative, expressed	Chr3	5955623	5960605 -	13	1826	7.65
LOC_Os01g37820.1	oxidoreductase/ transition metal ion binding protein, putative, expressed	Chr1	21151490	21155639 -	7	1970	7.65
LOC_Os02g02720.5	SNARE domain containing protein, putative, expressed	Chr2	1022071	1024751 -	7	1398	7.65
LOC_Os02g02720.3	SNARE domain containing protein, putative, expressed	Chr2	1022071	1024751 -	7	1394	7.65
LOC_Os07g33220.1	BNR/Asp-box repeat family protein, putative, expressed	Chr7	19850984	19854472 +	10	2067	7.65
LOC_Os02g02720.4	SNARE domain containing protein, putative, expressed	Chr2	1022071	1024751 -	6	1444	7.65
LOC_Os11g11410.3	OsiAA27 - Auxin-responsive Aux/IAA gene family member, expressed	Chr11	6335893	6342309 +	3	2977	7.65
LOC_Os11g11410.2	OsiAA27 - Auxin-responsive Aux/IAA gene family member, expressed	Chr11	6335893	6342309 +	2	3048	7.65
LOC_Os01g08510.1	MAR-binding filament-like protein 1, putative, expressed	Chr1	4208553	4213302 -	3	2813	7.66
LOC_Os12g04595.1	transcription initiation factor, putative, expressed	Chr12	1942163	1947980 -	10	1960	7.67
LOC_Os03g01770.1	rhodanese, putative, expressed	Chr3	482919	484763 -	3	825	7.68
LOC_Os08g10649.1	GTPase of unknown function domain containing protein, putative, expressed	Chr8	6272214	6280922 +	9	2111	7.69
LOC_Os06g04470.2	expressed protein	Chr6	1914141	1918036 -	6	1873	7.69
LOC_Os06g04470.1	expressed protein	Chr6	1914141	1918055 -	7	1836	7.69
LOC_Os06g04470.3	expressed protein	Chr6	1914141	1918036 -	7	1798	7.69
LOC_Os09g34847.2	expressed protein	Chr9	20305822	20308168 +	3	2199	7.69
LOC_Os03g10930.1	ribosomal protein L51, putative, expressed	Chr3	5613250	5615478 -	4	1003	7.70
LOC_Os03g10930.2	ribosomal protein L51, putative, expressed	Chr3	5613250	5615444 -	3	1014	7.70
LOC_Os06g27970.1	FKBP12-interacting protein of 37 kDa, putative, expressed	Chr6	15863214	15872704 -	13	1840	7.71
LOC_Os12g39660.1	calcium-transporting ATPase, plasma membrane-type, putative, expressed	Chr12	24485277	24490995 +	7	3924	7.71
LOC_Os01g56990.1	Regulator of chromosome condensation domain containing protein, expressed	Chr1	32929037	32932792 -	8	1632	7.71
LOC_Os02g03460.1	phosphatidate cytidyltransferase, putative, expressed	Chr2	1406098	1409346 -	5	1249	7.72
LOC_Os03g43850.1	recA protein, putative, expressed	Chr3	24591390	24596469 +	13	2029	7.72
LOC_Os03g08000.1	expressed protein	Chr3	4090003	4094134 +	7	2072	7.72
LOC_Os09g10820.1	oxidoreductase domain protein, putative, expressed	Chr9	5900633	5905440 +	12	1845	7.72
LOC_Os01g72820.3	CRS1/YhbY domain containing protein, putative, expressed	Chr1	42240786	42245248 +	6	2313	7.73
LOC_Os03g18620.1	PPR repeat domain containing protein, putative, expressed	Chr3	10428927	10433732 +	4	1460	7.73
LOC_Os04g11524.1	retrotransposon protein, putative, unclassified, expressed	Chr4	6306223	6309507 +	4	997	7.73
LOC_Os04g39060.2	CRS1/YhbY domain containing protein, expressed	Chr4	23212145	23218087 -	13	3728	7.74
LOC_Os02g47600.2	soluble inorganic pyrophosphatase, putative, expressed	Chr2	29081821	29085864 -	9	1343	7.74
LOC_Os03g43860.1	SNF7 domain containing protein, putative, expressed	Chr3	24596788	24600376 -	11	1429	7.74
LOC_Os04g39060.1	CRS1/YhbY domain containing protein, expressed	Chr4	23212145	23218087 -	12	3766	7.74
LOC_Os09g36030.1	4-hydroxy-2-oxovalerate aldolase, putative, expressed	Chr9	20750115	20751468 +	1	1386	7.74
LOC_Os01g16430.1	cysteine proteinase inhibitor precursor protein, putative, expressed	Chr1	9325545	9329334 -	4	1380	7.75
LOC_Os01g18280.1	SNF7 domain containing protein, putative, expressed	Chr1	10262946	10267962 +	9	2099	7.75
LOC_Os01g72880.1	DNA mismatch repair protein Mlh1, putative, expressed	Chr1	42268880	42274913 +	16	3135	7.76
LOC_Os03g04970.1	T-complex protein, putative, expressed	Chr3	2401014	2406760 -	18	2845	7.76
LOC_Os01g49380.2	lipase, putative, expressed	Chr1	28384020	28387158 -	8	1546	7.76
LOC_Os01g49380.1	lipase, putative, expressed	Chr1	28384020	28387158 -	8	1556	7.76

LOC_Os03g19920.1	expressed protein	Chr3	11199350	11205122 -	10	2652	7.76
LOC_Os04g58390.1	allantoinase, putative, expressed	Chr4	34737984	34742719 +	16	2454	7.77
LOC_Os03g10420.1	PPR repeat containing protein, expressed	Chr3	5304975	5307365 +	1	2423	7.77
LOC_Os03g61010.1	protein kinase family protein, putative, expressed	Chr3	34663343	34668223 +	10	2381	7.77
LOC_Os10g34370.1	expressed protein	Chr10	18318955	18320451 -	1	1529	7.78
LOC_Os01g07740.3	DEAD-box ATP-dependent RNA helicase 14, putative, expressed	Chr1	3713687	3718637 -	14	3217	7.78
LOC_Os03g55270.1	TIP41, putative, expressed	Chr3	31454981	31458898 -	8	2334	7.78
LOC_Os01g73690.1	pentatricopeptide, putative, expressed	Chr1	42695091	42699059 -	6	2771	7.78
LOC_Os03g44150.1	aminotransferase, putative, expressed	Chr3	24810051	24818067 -	10	2202	7.79
LOC_Os01g07740.1	DEAD-box ATP-dependent RNA helicase 14, putative, expressed	Chr1	3713687	3718637 -	14	3370	7.79
LOC_Os01g07740.2	DEAD-box ATP-dependent RNA helicase 14, putative, expressed	Chr1	3713702	3718631 -	14	3346	7.79
LOC_Os11g29700.2	expressed protein	Chr11	17210644	17212826 -	7	1021	7.79
LOC_Os11g29700.1	expressed protein	Chr11	17210644	17212826 -	8	1104	7.79
LOC_Os12g39520.1	OsFBDUF66 - F-box and DUF domain containing protein, expressed	Chr12	24359079	24360593 -	1	1547	7.80
LOC_Os01g13370.1	seven in absentia protein family domain containing protein, expressed	Chr1	7450837	7453683 -	3	1879	7.80
LOC_Os01g72820.2	CRS1/YhbY domain containing protein, putative, expressed	Chr1	42240837	42245248 +	7	2779	7.80
LOC_Os01g62440.2	ribonuclease protein, putative, expressed	Chr1	36141662	36146302 -	12	2389	7.81
LOC_Os03g50500.1	PPR repeat domain containing protein, putative, expressed	Chr3	28830826	28836835 +	4	3314	7.82
LOC_Os03g50010.1	toc64, putative, expressed	Chr3	28533089	28541241 -	13	2694	7.82
LOC_Os06g49980.1	expressed protein	Chr6	30269919	30272801 -	5	1276	7.82
LOC_Os05g01450.2	eukaryotic translation initiation factor 3 subunit F, putative, expressed	Chr5	259953	262291 -	5	1353	7.82
LOC_Os01g46590.2	expressed protein	Chr1	26522715	26527305 -	8	2471	7.83
LOC_Os01g47550.1	kinase, pfkB family, putative, expressed	Chr1	27185633	27191256 +	5	1674	7.83
LOC_Os01g07910.1	NADH-cytochrome b5 reductase, putative, expressed	Chr1	3820168	3824523 -	13	1837	7.83
LOC_Os01g62790.2	expressed protein	Chr1	36359709	36365444 +	8	2299	7.83
LOC_Os04g20180.1	expressed protein	Chr4	11247240	11254759 +	7	3114	7.83
LOC_Os01g62790.1	expressed protein	Chr1	36359709	36365493 +	8	2402	7.83
LOC_Os07g38930.1	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr7	23344089	23348726 +	5	2593	7.85
LOC_Os02g32660.1	1,4-alpha-glucan-branching enzyme, chloroplast precursor, putative, expressed	Chr2	19355748	19367127 -	22	3662	7.85
LOC_Os03g18200.1	heat shock protein DnaJ, putative, expressed	Chr3	10204819	10210306 +	9	3308	7.85
LOC_Os07g08340.2	pyruvate kinase, putative, expressed	Chr7	4266880	4271484 +	8	2097	7.86
LOC_Os10g35280.1	nucleolar complex protein 2, putative, expressed	Chr10	18852112	18857346 -	12	3050	7.86
LOC_Os07g08340.1	pyruvate kinase, putative, expressed	Chr7	4266882	4271518 +	6	2335	7.86
LOC_Os01g59500.1	U3 small nucleolar RNA-associated protein 11, putative, expressed	Chr1	34409226	34412582 -	9	1830	7.86
LOC_Os01g59500.2	U3 small nucleolar RNA-associated protein 11, putative, expressed	Chr1	34409226	34412582 -	9	1835	7.86
LOC_Os05g01450.1	eukaryotic translation initiation factor 3 subunit F, putative, expressed	Chr5	259953	262291 -	6	1465	7.86
LOC_Os01g72820.1	CRS1/YhbY domain containing protein, putative, expressed	Chr1	42240786	42245248 +	6	3041	7.86
LOC_Os09g11250.1	co-chaperone GrpE protein, putative, expressed	Chr9	6246237	6249750 -	6	1476	7.87
LOC_Os08g25090.2	co-chaperone GrpE protein, putative, expressed	Chr8	15232850	15236364 -	6	1696	7.87
LOC_Os08g25090.1	co-chaperone GrpE protein, putative, expressed	Chr8	15232850	15236364 -	5	1736	7.87
LOC_Os02g36360.1	ZOS2-11 - C2H2 zinc finger protein, expressed	Chr2	21956588	21960123 -	2	1833	7.88
LOC_Os04g31190.1	dynamamin family protein, putative, expressed	Chr4	18659440	18669921 -	20	3460	7.89
LOC_Os03g29180.1	ubiquinone biosynthesis protein COQ9, mitochondrial precursor, putative, expressed	Chr3	16580151	16586153 +	6	1595	7.89
LOC_Os05g03060.1	expressed protein	Chr5	1195078	1199241 +	8	2514	7.89
LOC_Os04g54410.1	expressed protein	Chr4	32370810	32378071 -	13	2333	7.89

LOC_Os02g03330.1	expressed protein	Chr2	1344644	1347027 +	3	1229	7.90
LOC_Os02g36360.2	ZOS2-11 - C2H2 zinc finger protein, expressed	Chr2	21956589	21960123 -	3	1936	7.90
LOC_Os02g36360.3	ZOS2-11 - C2H2 zinc finger protein, expressed	Chr2	21956589	21960123 -	3	1943	7.90
LOC_Os07g37640.1	IKI3 family protein, expressed	Chr7	22565757	22571603 +	6	4880	7.90
LOC_Os03g22430.1	OsClp5 - Putative Clp protease homologue, expressed	Chr3	12854119	12859369 -	10	2008	7.91
LOC_Os09g37720.1	RNA recognition motif containing protein, expressed	Chr9	21742603	21743594 -	1	1024	7.92
LOC_Os03g15590.1	eukaryotic translation initiation factor, putative, expressed	Chr3	8597328	8600511 -	6	876	7.92
LOC_Os01g01670.1	expressed protein	Chr1	331355	332345 -	1	1023	7.92
LOC_Os03g12020.1	50S ribosomal protein L15, chloroplast precursor, putative, expressed	Chr3	6295472	6297624 +	3	1097	7.92
LOC_Os07g36190.1	hydrolase, NUDIX family, domain containing protein, expressed	Chr7	21625619	21628826 +	6	1340	7.93
LOC_Os03g53170.1	pentatricopeptide, putative, expressed	Chr3	30502405	30507088 +	4	3169	7.94
LOC_Os12g06290.1	expressed protein	Chr12	3007570	3009854 -	4	1290	7.94
LOC_Os01g67750.1	expressed protein	Chr1	39374936	39379568 -	8	3091	7.94
LOC_Os01g46590.1	expressed protein	Chr1	26522742	26527305 -	7	2559	7.94
LOC_Os03g25130.2	OB-fold nucleic acid binding domain containing protein, putative, expressed	Chr3	14357771	14359171 -	3	1054	7.94
LOC_Os06g12460.1	CSLA3 - cellulose synthase-like family A%3B mannan synthase, expressed	Chr6	6758181	6762995 +	12	2220	7.95
LOC_Os06g04360.1	expressed protein	Chr6	1856820	1861053 -	7	2325	7.95
LOC_Os01g72820.6	CRS1/YhbY domain containing protein, putative, expressed	Chr1	42240786	42245248 +	5	2961	7.95
LOC_Os06g43900.1	ribosomal protein L35, putative, expressed	Chr6	26442595	26444898 +	3	1041	7.95
LOC_Os03g18200.2	heat shock protein DnaJ, putative, expressed	Chr3	10205250	10208503 +	6	2156	7.96
LOC_Os06g49180.1	plant-specific domain TIGR01589 family protein, putative, expressed	Chr6	29798150	29801547 -	7	2034	7.97
LOC_Os07g44730.1	expressed protein	Chr7	26700793	26705243 -	8	1822	7.98
LOC_Os02g24270.1	retrotransposon protein, putative, unclassified, expressed	Chr2	14073567	14076360 +	3	2639	7.98
LOC_Os02g47744.2	MYB family transcription factor, putative, expressed	Chr2	29190864	29195573 +	3	3368	7.99
LOC_Os08g37140.1	phosphoglycerate mutase, putative, expressed	Chr8	23468743	23472607 -	6	1416	7.99
LOC_Os05g06510.2	4Fe-4S binding domain containing protein, expressed	Chr5	3348811	3352850 -	12	2134	7.99
LOC_Os05g06510.1	4Fe-4S binding domain containing protein, expressed	Chr5	3348811	3352850 -	12	2140	7.99
LOC_Os01g47080.1	pyruvate kinase, putative, expressed	Chr1	26888393	26895732 -	12	2630	8.00
LOC_Os02g50820.1	nucleobase-ascorbate transporter, putative, expressed	Chr2	31046036	31051816 -	14	2926	8.00
LOC_Os09g34847.1	expressed protein	Chr9	20305822	20308339 +	2	2454	8.01
LOC_Os08g14220.1	expressed protein	Chr8	8497671	8500099 -	5	1166	8.02
LOC_Os03g27960.1	sodium/calcium exchanger protein, putative, expressed	Chr3	16061184	16065169 +	11	2432	8.02
LOC_Os03g27960.2	sodium/calcium exchanger protein, putative, expressed	Chr3	16061151	16065169 +	11	2462	8.02
LOC_Os04g49150.1	OsMADS17 - MADS-box family gene with MIKcC type-box, expressed	Chr4	29308245	29314112 +	8	1381	8.03
LOC_Os03g44840.2	choline transporter-related, putative, expressed	Chr3	25298624	25301880 -	2	1601	8.04
LOC_Os01g72820.4	CRS1/YhbY domain containing protein, putative, expressed	Chr1	42240786	42245248 +	5	3113	8.05
LOC_Os04g50720.1	ara54-like RING finger protein, putative, expressed	Chr4	30006879	30011384 +	7	2476	8.06
LOC_Os01g16290.1	DNA gyrase subunit B, chloroplast/mitochondrial precursor, putative, expressed	Chr1	9225213	9237059 +	21	3482	8.07
LOC_Os01g13530.1	ABIL2, putative, expressed	Chr1	7557172	7560626 +	9	2026	8.07
LOC_Os03g52750.2	cyclin, putative, expressed	Chr3	30235883	30241190 +	15	2385	8.07
LOC_Os03g44840.1	choline transporter-related, putative, expressed	Chr3	25297660	25301880 -	3	2035	8.08
LOC_Os03g52750.1	cyclin, putative, expressed	Chr3	30235883	30241190 +	15	2421	8.09
LOC_Os10g41150.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr10	22105370	22109134 +	11	2164	8.09
LOC_Os01g73900.1	DEAD-box ATP-dependent RNA helicase, putative, expressed	Chr1	42821164	42825125 -	10	2197	8.10
LOC_Os04g23910.1	OsMADS25 - MADS-box family gene with MIKcC type-box, expressed	Chr4	13672710	13675884 +	8	1358	8.11

LOC_Os09g29840.1	heat shock protein, putative, expressed	Chr9	18150618	18155512	-	19	3520	8.11
LOC_Os09g29840.2	heat shock protein, putative, expressed	Chr9	18150618	18155512	-	18	3580	8.11
LOC_Os05g46950.1	expressed protein	Chr5	27163273	27166835	-	6	1324	8.14
LOC_Os09g39390.1	oxidoreductase, aldo/keto reductase family protein, putative, expressed	Chr9	22649087	22652085	+	9	1776	8.14
LOC_Os01g12910.1	thioesterase family protein, putative, expressed	Chr1	7173618	7175813	+	3	891	8.14
LOC_Os12g41956.1	galactosyltransferase family protein, putative, expressed	Chr12	26016668	26020765	+	7	2786	8.15
LOC_Os07g48640.1	short-chain dehydrogenase/reductase, putative, expressed	Chr7	29121890	29124961	+	6	1524	8.15
LOC_Os06g06380.1	NBS-LRR type disease resistance protein, putative, expressed	Chr6	2973521	2979496	-	4	4139	8.15
LOC_Os03g21250.1	glycosyl transferase, family 8, putative, expressed	Chr3	12133469	12138706	-	9	3112	8.15
LOC_Os07g48640.2	short-chain dehydrogenase/reductase, putative, expressed	Chr7	29121756	29124961	+	7	1598	8.15
LOC_Os01g42780.1	cysteine proteinase EP-B 2 precursor, putative, expressed	Chr1	24343518	24345173	-	2	1467	8.15
LOC_Os05g39230.2	low photochemical bleaching 1 protein, putative, expressed	Chr5	22996896	23005544	+	16	3418	8.16
LOC_Os03g46600.1	acidic leucine-rich nuclear phosphoprotein 32-related protein 2, putative, expressed	Chr3	26377651	26379868	+	2	1226	8.16
LOC_Os08g09230.2	starch synthase III, putative, expressed	Chr8	5352105	5363367	+	16	6276	8.16
LOC_Os08g09230.1	starch synthase III, putative, expressed	Chr8	5352105	5363367	+	16	6278	8.16
LOC_Os05g39230.1	low photochemical bleaching 1 protein, putative, expressed	Chr5	22996896	23005544	+	17	3528	8.18
LOC_Os09g32010.1	ternary complex factor MIP1, putative, expressed	Chr9	19103942	19108920	+	12	3163	8.20
LOC_Os09g32010.2	ternary complex factor MIP1, putative, expressed	Chr9	19103942	19108920	+	11	3379	8.20
LOC_Os04g51390.1	aldose 1-epimerase, putative, expressed	Chr4	30433199	30438364	+	9	1840	8.21
LOC_Os05g05810.2	DEAD-box ATP-dependent RNA helicase, putative, expressed	Chr5	2906228	2913774	-	14	3616	8.22
LOC_Os02g57240.1	oxidoreductase, aldo/keto reductase family protein, putative, expressed	Chr2	35067976	35072613	+	4	1493	8.22
LOC_Os05g05810.1	DEAD-box ATP-dependent RNA helicase, putative, expressed	Chr5	2906228	2913780	-	16	3664	8.23
LOC_Os06g51270.1	1,3-beta-glucan synthase component domain containing protein, expressed	Chr6	31033381	31048512	-	42	7290	8.23
LOC_Os04g33460.1	1,4-alpha-glucan-branching enzyme 2, chloroplast precursor, putative, expressed	Chr4	20239790	20243460	-	10	1586	8.23
LOC_Os04g51390.2	aldose 1-epimerase, putative, expressed	Chr4	30433199	30438328	+	8	2219	8.24
LOC_Os01g39270.1	NAD binding domain of 6-phosphogluconate dehydrogenase containing protein, expressed	Chr1	22088204	22091020	-	11	1608	8.26
LOC_Os03g60120.1	AP2 domain containing protein, expressed	Chr3	34192417	34193650	-	1	1266	8.27
LOC_Os04g33040.1	alpha-amylase precursor, putative, expressed	Chr4	20006128	20009276	+	12	1623	8.27
LOC_Os03g55280.1	semialdehyde dehydrogenase, NAD binding domain containing protein, putative, expressed	Chr3	31460384	31463608	+	8	1729	8.28
LOC_Os12g34860.1	phenylalanyl-tRNA synthetase, putative, expressed	Chr12	21220797	21226234	+	10	2435	8.30
LOC_Os12g38440.3	XH domain containing protein, expressed	Chr12	23596109	23600231	+	9	1825	8.32
LOC_Os12g38440.2	XH domain containing protein, expressed	Chr12	23596174	23600231	+	9	1884	8.33
LOC_Os03g61019.1	mitochondrial import inner membrane translocase subunit Tim, putative, expressed	Chr3	34668985	34671141	-	6	828	8.34
LOC_Os12g38440.1	XH domain containing protein, expressed	Chr12	23596174	23600217	+	10	1941	8.34
LOC_Os11g11370.1	expressed protein	Chr11	6308501	6310797	+	2	1001	8.34
LOC_Os03g39010.1	possible lysine decarboxylase domain containing protein, expressed	Chr3	21685293	21687796	+	4	2215	8.35
LOC_Os08g25734.2	glucose-1-phosphate adenylyltransferase large subunit, chloroplast precursor, putative, expressed	Chr8	15666201	15672594	-	10	2264	8.35
LOC_Os08g25734.1	glucose-1-phosphate adenylyltransferase large subunit, chloroplast precursor, putative, expressed	Chr8	15666201	15671051	-	10	2383	8.35
LOC_Os01g27990.1	NPL4, putative, expressed	Chr1	15644812	15649520	+	2	1828	8.36
LOC_Os01g42980.4	ribosomal protein L22, putative, expressed	Chr1	24480855	24483664	+	8	1262	8.40
LOC_Os12g35270.1	expressed protein	Chr12	21429634	21431701	-	3	1024	8.41
LOC_Os03g25130.1	OB-fold nucleic acid binding domain containing protein, putative, expressed	Chr3	14357987	14359171	-	2	1119	8.41
LOC_Os09g32210.1	pumilio-family RNA binding repeat containing protein, expressed	Chr9	19220516	19227564	-	10	3909	8.42
LOC_Os03g41612.1	ribosomal protein L25, putative, expressed	Chr3	23135473	23140230	-	3	1137	8.43
LOC_Os03g41612.2	ribosomal protein L25, putative, expressed	Chr3	23135473	23140230	-	3	1123	8.43

LOC_Os11g11256.1	expressed protein	Chr11	6228270	6230973 +	2	1852	8.45
LOC_Os03g60720.1	expansin precursor, putative, expressed	Chr3	34508262	34511279 -	2	1716	8.46
LOC_Os02g15820.2	extra-large G-protein-related, putative, expressed	Chr2	8938128	8943557 -	4	3289	8.49
LOC_Os02g15820.1	extra-large G-protein-related, putative, expressed	Chr2	8938128	8943651 -	5	3297	8.49
LOC_Os05g36000.1	FabA-like domain containing protein, expressed	Chr5	21322822	21325176 +	4	1130	8.49
LOC_Os01g03570.1	transcription factor X1, putative, expressed	Chr1	1446849	1450473 +	7	2502	8.51
LOC_Os06g51520.4	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed	Chr6	31212403	31217514 +	12	2022	8.51
LOC_Os06g51520.2	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed	Chr6	31212403	31217599 +	12	2064	8.51
LOC_Os06g51520.1	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed	Chr6	31212403	31217599 +	12	2067	8.51
LOC_Os06g51520.5	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed	Chr6	31212403	31217599 +	11	2176	8.51
LOC_Os12g12740.1	leucine-rich repeat family protein, putative, expressed	Chr12	7017321	7022666 -	15	2997	8.55
LOC_Os02g02360.1	expressed protein	Chr2	785941	789235 +	5	2217	8.57
LOC_Os03g16470.2	expressed protein	Chr3	9079602	9081544 +	3	1172	8.57
LOC_Os01g43250.1	WD domain, G-beta repeat domain containing protein, expressed	Chr1	24703771	24708911 -	8	1515	8.64
LOC_Os07g44710.1	CAMK_CAMK_like.36 - CAMK includes calcium/calmodulin depedent protein kinases, expressed	Chr7	26683038	26688827 -	11	3170	8.65
LOC_Os04g46570.3	growth regulator related protein, putative, expressed	Chr4	27608423	27609940 -	1	1550	8.68
LOC_Os04g46190.2	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr4	27358305	27361232 +	8	1119	8.69
LOC_Os04g46190.1	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed	Chr4	27358198	27361232 +	9	1154	8.70
LOC_Os03g02260.1	DnaK family protein, putative, expressed	Chr3	766648	771264 -	6	2795	8.70
LOC_Os01g32130.1	expressed protein	Chr1	17583645	17586310 +	5	1438	8.72
LOC_Os01g39830.1	beta-galactosidase, putative, expressed	Chr1	22466546	22472589 +	19	3865	8.75
LOC_Os03g16010.1	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1 precursor, putative, expressed	Chr3	8827645	8833588 +	14	3071	8.76
LOC_Os10g27990.1	exocyst complex component 6, putative, expressed	Chr10	14500800	14504243 -	2	3092	8.76
LOC_Os01g64720.1	expressed protein	Chr1	37551977	37556502 +	13	1896	8.77
LOC_Os01g64720.2	expressed protein	Chr1	37551990	37556502 +	12	1948	8.77
LOC_Os02g54730.1	transmembrane amino acid transporter protein, putative, expressed	Chr2	33511971	33517881 -	12	2565	8.78
LOC_Os08g06010.1	transporter, major facilitator family, putative, expressed	Chr8	3281097	3284500 +	3	2412	8.78
LOC_Os09g34090.2	sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating, putative, expressed	Chr9	20117440	20121733 -	10	2405	8.78
LOC_Os09g34090.1	sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating, putative, expressed	Chr9	20117440	20121733 -	11	2504	8.79
LOC_Os04g46570.1	growth regulator related protein, putative, expressed	Chr4	27608430	27612504 -	9	2507	8.82
LOC_Os04g46570.2	growth regulator related protein, putative, expressed	Chr4	27608425	27612504 -	8	2717	8.85
LOC_Os12g38140.1	expressed protein	Chr12	23420042	23420870 +	1	861	8.87
LOC_Os01g39790.1	esterase/lipase/thioesterase, putative, expressed	Chr1	22439033	22442003 -	8	1493	8.92
LOC_Os12g10784.2	2-dehydro-3-deoxyphosphooctonate aldolase, putative, expressed	Chr12	5801422	5807238 +	14	1701	8.93
LOC_Os12g10784.3	2-dehydro-3-deoxyphosphooctonate aldolase, putative, expressed	Chr12	5801422	5807238 +	14	1715	8.93
LOC_Os12g10784.1	2-dehydro-3-deoxyphosphooctonate aldolase, putative, expressed	Chr12	5801448	5807238 +	13	1758	8.94
LOC_Os02g09060.1	BRCA1-associated protein, putative, expressed	Chr2	4630330	4634623 -	12	2162	8.94
LOC_Os01g39790.2	esterase/lipase/thioesterase, putative, expressed	Chr1	22439033	22441966 -	8	1675	8.95
LOC_Os02g09060.2	BRCA1-associated protein, putative, expressed	Chr2	4630330	4634623 -	10	2482	8.95
LOC_Os05g34780.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr5	20636382	20643355 +	5	2221	9.07
LOC_Os01g42980.1	ribosomal protein L22, putative, expressed	Chr1	24480855	24483757 +	7	1559	9.13
LOC_Os05g02530.1	glutathione S-transferase, N-terminal domain containing protein, expressed	Chr5	876950	880628 -	6	1577	9.13
LOC_Os01g42980.2	ribosomal protein L22, putative, expressed	Chr1	24480855	24483757 +	6	1632	9.14
LOC_Os03g16470.1	expressed protein	Chr3	9079602	9080939 +	3	891	9.14
LOC_Os06g04340.1	expressed protein	Chr6	1844953	1848753 -	7	2008	9.15

LOC_Os03g16470.3	expressed protein	Chr3	9079602	9080940 +	3	920	9.19
LOC_Os04g42420.3	nodulin, putative, expressed	Chr4	25104771	25107672 +	2	2590	9.20
LOC_Os02g07800.1	transcription factor, putative, expressed	Chr2	4083023	4086047 +	5	1468	9.21
LOC_Os05g46290.1	T-complex protein, putative, expressed	Chr5	26835671	26840314 -	17	2693	9.31
LOC_Os05g50990.1	TTL3, putative, expressed	Chr5	29257803	29262204 -	6	3430	9.35
LOC_Os02g14110.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr2	7706619	7711598 +	10	2779	9.38
LOC_Os08g40610.1	30S ribosomal protein S16, putative, expressed	Chr8	25702617	25704363 -	3	864	9.45
LOC_Os04g44290.1	expressed protein	Chr4	26232855	26237506 +	8	2988	9.51
LOC_Os01g09890.1	translation initiation factor SU11, putative, expressed	Chr1	5138463	5140925 -	6	1294	9.51
LOC_Os06g45710.1	phosphoglycerate kinase protein, putative, expressed	Chr6	27676318	27679785 -	7	2020	9.54
LOC_Os05g01270.1	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr5	185622	188487 +	7	1384	9.55
LOC_Os05g50380.2	glucose-1-phosphate adenylyltransferase large subunit, chloroplast precursor, putative, expressed	Chr5	28871794	28876879 -	16	2522	9.59
LOC_Os05g50380.1	glucose-1-phosphate adenylyltransferase large subunit, chloroplast precursor, putative, expressed	Chr5	28871794	28877277 -	16	2823	9.62
LOC_Os03g14530.1	S10/S20 domain containing ribosomal protein, putative, expressed	Chr3	7884815	7886832 +	3	849	9.65
LOC_Os04g43160.1	expressed protein	Chr4	25548378	25550603 -	3	2046	9.83
LOC_Os08g36860.1	cytochrome P450, putative, expressed	Chr8	23288613	23294164 -	9	2487	9.97
LOC_Os10g25780.3	FAD-linked oxidoreductase protein, putative, expressed	Chr10	13359545	13361910 -	2	2176	10.98
LOC_Os10g25780.2	FAD-linked oxidoreductase protein, putative, expressed	Chr10	13359545	13363225 -	3	2483	10.98
LOC_Os10g25780.1	FAD-linked oxidoreductase protein, putative, expressed	Chr10	13359545	13362322 -	3	2435	11.00

Table S3. qRT-PCR validation of differential expression patterns (Log2FC) in 7 dpi giant cell tissue versus control cells from the vascular root tissue.

Locusnumber	Annotation	mRNASeq	qRT-PCR
LOC_Os06g29950	MATE domain containing protein	-6,51	-3,66
LOC_Os12g08760	carboxyvinyl-carboxyphosphonate phosphorylmutase	-6,06	-1,38
LOC_Os11g32650	chalcone synthase	-2,04	-2,47
LOC_Os08g09080	Cupin domain containing protein	-4,21	-1,98
LOC_Os01g55240	gibberellin 2-beta-dioxygenase	-7,13	-1,74
LOC_Os11g44960	NBS-LRR disease resistance protein	-4,50	-4,57
LOC_Os03g14990	chorismate synthase 2, chloroplast precursor	-3,60	-7,64
LOC_Os09g28690	gibberellin receptor GID1L2	4,91	1,66
LOC_Os02g35180	OsRR2 type-A response regulator	6,83	2,12
LOC_Os01g51700	ras-related protein Ras GTPase	1,92	6,45
LOC_Os02g19440	sirohdrochlorin ferrochelatase, Cobalamin (vitamin B12) biosynthesis CbiX	1,99	4,04
LOC_Os03g16010	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1 precursor	3,27	5,87
LOC_Os02g56880	transcriptional corepressor LEUNIG	2,10	-1,74

Table S4. List of transcripts that are significantly differentially expressed in 14 dai giant cells induced by *M. graminicola*. The list shows the chromosomal location and the log₂FC between giant cells and control vascular cells of each transcript.

Transcript_ID	Description	Chr	Left	Right	Sense	ExonCount	TotalExon Length	log2FC (14daiGC_vs_control)
LOC_Os10g02070.1	peroxidase precursor, putative, expressed	Chr10	677086	678882	-	4	1413	-7.88
LOC_Os12g36640.1	universal stress protein domain containing protein, putative, expressed	Chr12	22429351	22431800	-	4	1075	-7.02
LOC_Os12g36640.2	universal stress protein domain containing protein, putative, expressed	Chr12	22429351	22431795	-	4	1061	-7.02
LOC_Os12g13674.1	expressed protein	Chr12	7709120	7711069	+	1	1982	-7.34
LOC_Os11g11960.1	disease resistance protein RPM1, putative, expressed	Chr11	6638262	6640922	-	1	2693	-8.01
LOC_Os12g38140.1	expressed protein	Chr12	23420042	23420870	+	1	861	9.29
LOC_Os12g26290.2	alpha-DOX2, putative, expressed	Chr12	15330146	15340505	-	12	2796	-8.28
LOC_Os05g47700.1	LTPL152 - Protease inhibitor/seed storage/LTP family protein precursor, expressed	Chr5	27330644	27331350	+	1	739	-7.06
LOC_Os09g27580.1	potassium transporter, putative, expressed	Chr9	16756249	16759734	+	7	2761	6.26
LOC_Os05g41880.1	mutS domain V family protein, expressed	Chr5	24522895	24532290	+	20	2513	5.96
LOC_Os04g11040.1	expressed protein	Chr4	5989515	5990234	+	2	671	-5.45
LOC_Os06g23370.1	expressed protein	Chr6	13635895	13640070	-	4	3324	6.28
LOC_Os07g48170.1	nucleotidyltransferase, putative, expressed	Chr7	28770335	28776325	-	11	3767	7.06
LOC_Os03g42010.2	DNA-directed polymerase, putative, expressed	Chr3	23334978	23340914	+	14	2755	6.08
LOC_Os03g42010.1	DNA-directed polymerase, putative, expressed	Chr3	23334978	23340901	+	14	2745	6.08
LOC_Os07g42310.1	lung seven transmembrane domain containing protein, putative, expressed	Chr7	25320455	25323506	+	5	2182	-9.01
LOC_Os01g21960.1	serine/threonine-protein kinase, putative, expressed	Chr1	12326486	12331776	+	8	2644	-8.21
LOC_Os09g27580.3	potassium transporter, putative, expressed	Chr9	16755806	16759577	+	8	2608	6.24
LOC_Os09g38970.1	zinc finger family protein, putative, expressed	Chr9	22376888	22382492	+	9	3041	6.74
LOC_Os09g27580.2	potassium transporter, putative, expressed	Chr9	16754449	16759734	+	8	3150	6.29
LOC_Os05g10670.1	zinc finger CCCH type family protein, putative, expressed	Chr5	5846045	5848291	-	1	2279	7.31
LOC_Os10g41980.1	RALFL26 - Rapid Alkalinization Factor RALF family protein precursor, expressed	Chr10	22575212	22576531	+	2	695	-7.76
LOC_Os03g12810.2	maf, putative, expressed	Chr3	6871765	6875383	-	7	2685	6.70
LOC_Os01g69220.1	exostosin family domain containing protein, expressed	Chr1	40230199	40233220	+	4	2097	6.71
LOC_Os11g44630.1	calmodulin binding protein, putative, expressed	Chr11	26983106	26985704	-	5	1291	-9.26
LOC_Os02g57720.1	aquaporin protein, putative, expressed	Chr2	35349673	35351454	+	2	1613	-10.23
LOC_Os02g58210.2	jmjC domain containing protein, expressed	Chr2	35624137	35630806	+	16	3974	7.74
LOC_Os02g58210.1	jmjC domain containing protein, expressed	Chr2	35624137	35630806	+	16	3977	7.74
LOC_Os12g26290.6	alpha-DOX2, putative, expressed	Chr12	15330146	15340505	-	12	2603	-8.09
LOC_Os06g39480.1	SPOC domain containing protein, putative, expressed	Chr6	23442839	23449453	-	6	3812	6.78
LOC_Os11g12650.1	PHD-finger domain containing protein, putative, expressed	Chr11	7125124	7128857	-	5	2483	6.84
LOC_Os04g55700.1	exonuclease, putative, expressed	Chr4	33149431	33153292	-	12	2818	6.65
LOC_Os01g36560.1	auxin-induced protein 5NG4, putative, expressed	Chr1	20287702	20290661	-	7	1443	-6.86
LOC_Os12g26290.3	alpha-DOX2, putative, expressed	Chr12	15330146	15340505	-	11	2686	-8.11
LOC_Os12g26290.5	alpha-DOX2, putative, expressed	Chr12	15330146	15340505	-	10	3153	-8.11
LOC_Os12g26290.1	alpha-DOX2, putative, expressed	Chr12	15330146	15340505	-	11	2698	-8.11
LOC_Os03g11110.1	zinc finger family protein, putative, expressed	Chr3	5710186	5715012	-	9	2769	6.64
LOC_Os05g05440.1	expressed protein	Chr5	2703395	2711923	-	13	4811	7.56
LOC_Os12g33289.1	expressed protein	Chr12	20134502	20137762	-	2	2451	6.38

LOC_Os06g46149.1	serine/arginine repetitive matrix protein 1, putative, expressed	Chr6	27960874	27971323 +	5	1510	-7.71
LOC_Os06g46149.2	serine/arginine repetitive matrix protein 1, putative, expressed	Chr6	27960869	27971323 +	5	1519	-7.71
LOC_Os01g62100.1	retrotransposon protein, putative, unclassified, expressed	Chr1	35940240	35949471 +	22	6113	5.33
LOC_Os03g59250.1	expressed protein	Chr3	33737454	33739501 -	5	1615	6.69
LOC_Os03g03930.1	tRNA nucleotidyltransferase/polyA polymerase family protein, putative, expressed	Chr3	1798696	1804326 -	14	2668	5.59
LOC_Os12g04160.1	ribosomal protein L24, putative, expressed	Chr12	1747185	1750059 -	5	1029	7.89
LOC_Os09g38440.1	ATXR, putative, expressed	Chr9	22130437	22135245 +	13	3456	7.24
LOC_Os12g38440.1	XH domain containing protein, expressed	Chr12	23596174	23600217 +	10	1941	8.68
LOC_Os12g38440.3	XH domain containing protein, expressed	Chr12	23596109	23600231 +	9	1825	8.67
LOC_Os03g03930.2	tRNA nucleotidyltransferase/polyA polymerase family protein, putative, expressed	Chr3	1798698	1804163 -	13	2581	5.59
LOC_Os04g04390.1	retrotransposon protein, putative, unclassified, expressed	Chr4	2071049	2084671 -	24	6162	5.47
LOC_Os12g38440.2	XH domain containing protein, expressed	Chr12	23596174	23600231 +	9	1884	8.68
LOC_Os12g34040.1	retrotransposon protein, putative, unclassified, expressed	Chr12	20546102	20547574 +	1	1505	7.01
LOC_Os06g45710.1	phosphoglycerate kinase protein, putative, expressed	Chr6	27676318	27679785 -	7	2020	6.98
LOC_Os03g39230.1	OTU-like cysteine protease family protein, putative, expressed	Chr3	21784848	21791170 -	17	3543	6.58
LOC_Os11g45050.1	NBS-LRR disease resistance protein, putative, expressed	Chr11	27261093	27264194 +	1	3134	-5.93
LOC_Os12g26290.4	alpha-DOX2, putative, expressed	Chr12	15330146	15340505 -	10	2574	-8.05
LOC_Os08g09270.1	pentatricopeptide, putative, expressed	Chr8	5384443	5388851 +	7	2300	6.43
LOC_Os06g51520.4	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed	Chr6	31212403	31217514 +	12	2022	6.40
LOC_Os04g36062.1	expressed protein	Chr4	22017864	22024724 +	12	2856	6.13
LOC_Os04g36062.2	expressed protein	Chr4	22017861	22024724 +	12	2842	6.13
LOC_Os01g12400.2	S-locus lectin protein kinase family protein, putative, expressed	Chr1	6774200	6777805 -	3	2788	6.79
LOC_Os07g35560.2	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr7	21280300	21282637 -	4	2091	-9.35
LOC_Os06g51520.2	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed	Chr6	31212403	31217599 +	12	2064	6.40
LOC_Os07g35560.3	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr7	21280300	21282626 -	4	2120	-9.35
LOC_Os06g51520.1	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed	Chr6	31212403	31217599 +	12	2067	6.40
LOC_Os06g45860.1	molybdenum cofactor sulfurase, putative, expressed	Chr6	27749131	27756342 +	22	3898	6.84
LOC_Os03g16470.1	expressed protein	Chr3	9079602	9080939 +	3	891	6.90
LOC_Os07g35560.1	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr7	21280300	21282626 -	3	2180	-9.35
LOC_Os09g39310.1	expressed protein	Chr9	22594487	22597481 -	2	2427	7.02
LOC_Os06g39110.1	expressed protein	Chr6	23227135	23228392 +	2	908	-7.41
LOC_Os03g58570.1	WD domain, G-beta repeat domain containing protein, expressed	Chr3	33346109	33349987 +	8	3162	8.64
LOC_Os06g51520.5	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed	Chr6	31212403	31217599 +	11	2176	6.40
LOC_Os03g17600.1	expressed protein	Chr3	9788873	9791862 +	9	1220	6.15
LOC_Os03g62170.1	cyclase/dehydrase family protein, expressed	Chr3	35212863	35218270 +	10	2887	4.88
LOC_Os07g23169.1	methyltransferase, putative, expressed	Chr7	13057792	13068285 -	7	1722	7.29
LOC_Os06g17390.1	auxin-independent growth promoter protein, putative, expressed	Chr6	10082202	10087094 -	8	3328	4.76
LOC_Os10g26730.1	exonuclease, putative, expressed	Chr10	13954485	13958089 +	6	1894	6.32
LOC_Os04g41570.2	ethylene-responsive protein related, putative, expressed	Chr4	24655105	24660068 -	6	1443	6.81
LOC_Os09g31486.2	DnaK family protein, putative, expressed	Chr9	18987942	18991156 -	4	2336	6.64
LOC_Os04g41570.1	ethylene-responsive protein related, putative, expressed	Chr4	24655105	24660071 -	6	1449	6.81
LOC_Os03g09940.1	sulfate transporter, putative, expressed	Chr3	4954101	4959448 -	12	3061	7.65
LOC_Os05g50410.1	Rad21 / Rec8 like protein, putative, expressed	Chr5	28889622	28896919 +	20	2776	7.85
LOC_Os03g18590.1	malonyl CoA-acyl carrier protein transacylase, mitochondrial precursor, putative, expressed	Chr3	10400748	10404295 -	10	1915	6.29
LOC_Os03g45260.1	vesicle transport v-SNARE protein, putative, expressed	Chr3	25552406	25556486 -	4	1427	6.47

LOC_Os02g39570.5	ACT domain containing protein, expressed	Chr2	23885607	23890260 +	11	2250	5.93
LOC_Os08g15030.1	aspartate carbamoyltransferase, putative, expressed	Chr8	9071639	9075883 -	5	1591	6.94
LOC_Os10g35210.1	expressed protein	Chr10	18807789	18811992 +	8	1910	6.28
LOC_Os03g45220.1	expressed protein	Chr3	25537496	25538099 +	1	636	7.36
LOC_Os03g05470.1	tyrosine protein kinase domain containing protein, putative, expressed	Chr3	2707463	2710821 +	6	1949	-6.79
LOC_Os09g29080.1	expressed protein	Chr9	17659697	17662227 -	5	1131	5.97
LOC_Os09g31486.1	DnaK family protein, putative, expressed	Chr9	18987942	18991156 -	5	2579	6.64
LOC_Os03g16470.3	expressed protein	Chr3	9079602	9080940 +	3	920	7.01
LOC_Os06g04040.2	WD domain, G-beta repeat domain containing protein, expressed	Chr6	1648617	1654300 +	13	2233	5.56
LOC_Os07g44730.1	expressed protein	Chr7	26700793	26705243 -	8	1822	5.86
LOC_Os04g41570.3	ethylene-responsive protein related, putative, expressed	Chr4	24655105	24660068 -	6	1526	6.81
LOC_Os03g62170.2	cyclase/dehydrase family protein, expressed	Chr3	35212888	35218270 +	11	2760	4.78
LOC_Os05g46630.1	expressed protein	Chr5	26995734	26999172 -	7	1758	6.06
LOC_Os10g26730.2	exonuclease, putative, expressed	Chr10	13954485	13958089 +	7	1834	6.26
LOC_Os09g10054.1	disease resistance protein RPS2, putative, expressed	Chr9	5471800	5491310 -	3	4052	-8.63
LOC_Os04g23910.1	OsMADS25 - MADS-box family gene with MIKCC type-box, expressed	Chr4	13672710	13675884 +	8	1358	6.14
LOC_Os12g22030.2	serine hydroxymethyltransferase, mitochondrial precursor, putative, expressed	Chr12	12392727	12396628 -	4	2095	6.27
LOC_Os12g22030.1	serine hydroxymethyltransferase, mitochondrial precursor, putative, expressed	Chr12	12392727	12396638 -	4	2114	6.27
LOC_Os06g02200.1	pentatricopeptide, putative, expressed	Chr6	676126	678878 +	2	2706	4.86
LOC_Os06g04040.1	WD domain, G-beta repeat domain containing protein, expressed	Chr6	1648595	1654300 +	13	2154	5.56
LOC_Os02g15610.1	40S ribosomal protein S15a, putative, expressed	Chr2	8766778	8769281 -	3	964	6.09
LOC_Os05g15360.2	expressed protein	Chr5	8691776	8696448 -	4	1758	7.02
LOC_Os06g06560.1	starch synthase, putative, expressed	Chr6	3079059	3086808 -	15	3340	7.44
LOC_Os05g12320.1	nodulin MtN3 family protein, putative, expressed	Chr5	7082883	7085033 +	6	979	-8.09
LOC_Os02g48850.1	plant-specific domain TIGR01615 family protein, expressed	Chr2	29886240	29887103 +	1	896	8.13
LOC_Os01g65094.1	expressed protein	Chr1	37782927	37785412 -	2	1120	7.41
LOC_Os12g42210.1	OsDegp15 - Putative Deg protease homologue, expressed	Chr12	26180159	26184989 +	8	1532	6.45
LOC_Os07g41800.1	peroxisome assembly protein, putative, expressed	Chr7	25039214	25043735 +	11	1997	5.63
LOC_Os11g44990.1	NB-ARC domain containing protein, expressed	Chr11	27242070	27245161 +	3	3027	-5.64
LOC_Os03g42130.1	gibberellin 20 oxidase 2, putative, expressed	Chr3	23450164	23452171 -	3	1456	6.85
LOC_Os03g17910.1	kinesin like protein, putative, expressed	Chr3	9978906	9981030 +	4	1261	6.61
LOC_Os01g63870.1	nucleobase-ascorbate transporter, putative, expressed	Chr1	37060600	37064615 +	8	1959	6.97
LOC_Os07g41800.3	peroxisome assembly protein, putative, expressed	Chr7	25039214	25043735 +	10	2060	5.63
LOC_Os01g51430.1	green ripe-like, putative, expressed	Chr1	29572653	29575706 +	3	1285	5.76
LOC_Os03g22550.1	cation efflux family protein, putative, expressed	Chr3	12954592	12958421 +	9	1503	7.37
LOC_Os10g38030.1	per1-like family protein, putative, expressed	Chr10	20365322	20368287 -	5	1892	6.18
LOC_Os05g45720.2	starch synthase, putative, expressed	Chr5	26485812	26494112 +	15	3762	7.45
LOC_Os08g10450.1	nucleoside transporter, putative, expressed	Chr8	6142125	6144418 -	2	1683	6.03
LOC_Os10g04580.1	ras-related protein, putative, expressed	Chr10	2178608	2183211 -	7	2113	4.93
LOC_Os03g40780.2	transport protein-related, putative, expressed	Chr3	22670460	22675791 -	4	3760	5.37
LOC_Os07g41800.2	peroxisome assembly protein, putative, expressed	Chr7	25039214	25043735 +	10	2181	5.63
LOC_Os03g58630.1	thioredoxin, putative, expressed	Chr3	33391353	33393615 -	3	935	7.04
LOC_Os12g02950.1	EMB2748, putative, expressed	Chr12	1093738	1096564 -	7	1538	6.66
LOC_Os06g12460.1	CSLA3 - cellulose synthase-like family A%3B mannan synthase, expressed	Chr6	6758181	6762995 +	12	2220	6.64
LOC_Os01g22010.2	S-adenosylmethionine synthetase, putative, expressed	Chr1	12363709	12365742 -	1	2066	-5.86

LOC_Os10g40370.1	expressed protein	Chr10	21623619	21624757 +	1	1171	5.79
LOC_Os03g02960.1	nascent polypeptide-associated complex subunit alpha, putative, expressed	Chr3	1194255	1196505 +	3	2011	6.45
LOC_Os01g56870.1	expressed protein	Chr1	32842662	32847884 +	10	2871	5.76
LOC_Os08g40140.2	geranylgeranyl transferase type-2 subunit beta, putative, expressed	Chr8	25401248	25404642 +	8	1760	5.82
LOC_Os10g42170.1	GTPase of unknown function domain containing protein, putative, expressed	Chr10	22680086	22682202 +	8	1371	5.39
LOC_Os06g22670.1	tesmin/TSO1-like CXC domain containing protein, expressed	Chr6	13182291	13189126 -	9	2283	5.85
LOC_Os03g63500.2	ATPase, AFG1 family domain containing protein, expressed	Chr3	35868698	35875491 -	13	2794	5.21
LOC_Os12g34022.1	retrotransposon protein, putative, unclassified, expressed	Chr12	20545013	20546074 +	1	1094	7.59
LOC_Os10g25320.1	initiation factor 2 subunit family domain containing protein, expressed	Chr10	13090534	13096750 -	9	2591	5.95
LOC_Os08g40580.3	methyltransferase domain containing protein, expressed	Chr8	25687620	25690627 -	9	1316	6.71
LOC_Os05g38170.1	phosphoribosyl transferase, putative, expressed	Chr5	22387948	22392458 -	11	1725	7.06
LOC_Os10g04580.2	ras-related protein, putative, expressed	Chr10	2178608	2183194 -	7	2067	4.92
LOC_Os10g41083.1	uncharacterized Cys-rich domain containing protein, putative, expressed	Chr10	22062365	22065838 -	4	1209	6.62
LOC_Os03g40780.1	transport protein-related, putative, expressed	Chr3	22670460	22675791 -	5	3570	5.37
LOC_Os11g25130.1	expressed protein	Chr11	14312200	14314641 -	4	1937	7.92
LOC_Os07g26520.1	expressed protein	Chr7	15281842	15282673 -	3	375	-6.28
LOC_Os05g15360.5	expressed protein	Chr5	8691772	8696463 -	3	1789	7.13
LOC_Os03g12510.1	non-symbiotic hemoglobin 2, putative, expressed	Chr3	6624958	6626083 -	4	931	9.14
LOC_Os05g15360.1	expressed protein	Chr5	8691776	8696463 -	4	1885	7.14
LOC_Os03g17050.1	expressed protein	Chr3	9480106	9489032 +	22	4121	5.02
LOC_Os04g58560.1	cysteine protease ATG4, putative, expressed	Chr4	34816644	34820086 -	9	2470	7.27
LOC_Os05g15360.3	expressed protein	Chr5	8691772	8696463 -	3	1928	7.14
LOC_Os01g53890.1	RNA methyltransferase, TrmH family protein, putative, expressed	Chr1	30984518	30986791 -	1	2306	5.36
LOC_Os08g40940.1	expressed protein	Chr8	25909390	25910674 +	2	1275	-7.91
LOC_Os01g64720.1	expressed protein	Chr1	37551977	37556502 +	13	1896	6.23
LOC_Os06g45100.1	FAD binding domain of DNA photolyase domain containing protein, expressed	Chr6	27275439	27278872 -	12	2307	6.55
LOC_Os01g64720.2	expressed protein	Chr1	37551990	37556502 +	12	1948	6.23
LOC_Os04g16794.1	hypothetical protein	Chr4	9144409	9144625 +	1	249	5.71
LOC_Os09g28060.1	MORN repeat domain containing protein, expressed	Chr9	17033402	17035510 -	3	1933	5.65
LOC_Os05g43670.1	IQ calmodulin-binding motif family protein, putative, expressed	Chr5	25390732	25392521 -	2	1770	6.07
LOC_Os04g58560.2	cysteine protease ATG4, putative, expressed	Chr4	34816665	34820086 -	10	2395	7.24
LOC_Os10g39810.2	fatty acid hydroxylase, putative, expressed	Chr10	21308453	21311416 +	4	1123	6.24
LOC_Os10g38274.1	ATP synthase C chain, putative, expressed	Chr10	20481489	20481734 -	1	278	4.66
LOC_Os10g32690.1	expressed protein	Chr10	17116302	17121045 -	2	1360	6.43
LOC_Os10g11140.2	phosphoglucomutase, putative, expressed	Chr10	6167111	6174631 -	21	3118	6.88
LOC_Os01g70920.3	cullin-1, putative, expressed	Chr1	41052348	41056649 +	8	1833	7.14
LOC_Os03g12810.1	maf, putative, expressed	Chr3	6871765	6875398 -	9	1294	6.29
LOC_Os01g49890.1	threonine synthase, chloroplast precursor, putative, expressed	Chr1	28653963	28655948 -	1	2018	5.29
LOC_Os11g47809.1	metallothionein, putative, expressed	Chr11	28827676	28828513 +	2	761	-6.07
LOC_Os03g63500.1	ATPase, AFG1 family domain containing protein, expressed	Chr3	35868698	35875491 -	14	2588	5.18
LOC_Os08g40580.1	methyltransferase domain containing protein, expressed	Chr8	25687620	25690627 -	9	1370	6.83
LOC_Os10g11140.1	phosphoglucomutase, putative, expressed	Chr10	6167111	6174631 -	22	2961	6.87
LOC_Os05g15770.1	glycosyl hydrolase, putative, expressed	Chr5	8902479	8903793 -	1	1347	-4.82
LOC_Os08g40580.2	methyltransferase domain containing protein, expressed	Chr8	25687727	25690627 -	9	1258	6.74
LOC_Os08g45230.1	ENTH domain containing protein, expressed	Chr8	28399620	28401379 +	1	1792	6.27

LOC_Os05g50410.2	Rad21 / Rec8 like protein, putative, expressed	Chr5	28889622	28896998 +	21	3021	7.93
LOC_Os03g47740.3	homeodomain protein, putative, expressed	Chr3	27057559	27062890 -	6	2844	-5.73
LOC_Os04g33460.1	1,4-alpha-glucan-branching enzyme 2, chloroplast precursor, putative, expressed	Chr4	20239790	20243460 -	10	1586	5.52
LOC_Os03g16130.4	CAMK_CAMK_like_ULKh_APGy.2 - CAMK includes calcium/calmodulin depeident protein kinases,	Chr3	8896203	8901979 -	11	3206	5.20
LOC_Os01g37870.2	PPR repeat domain containing protein, putative, expressed	Chr1	21195432	21201747 +	12	2956	4.84
LOC_Os09g35690.2	zinc RING finger protein, putative, expressed	Chr9	20528479	20532250 -	7	1628	5.61
LOC_Os08g40580.4	methyltransferase domain containing protein, expressed	Chr8	25687638	25690627 -	9	1348	6.82
LOC_Os09g35690.1	zinc RING finger protein, putative, expressed	Chr9	20528479	20532250 -	7	1618	5.61
LOC_Os01g34620.8	OsGrx_S15.1 - glutaredoxin subgroup II, expressed	Chr1	19089932	19093121 +	6	2434	5.38
LOC_Os03g42480.1	expressed protein	Chr3	23633268	23640054 -	3	700	6.51
LOC_Os03g42480.2	expressed protein	Chr3	23633268	23640082 -	3	690	6.51
LOC_Os03g22050.3	CAMK_KIN1/SNF1/Nim1_like.16 - CAMK includes calcium/calmodulin depeident protein kinases,	Chr3	12630705	12634427 -	1	3755	-5.35
LOC_Os07g22950.2	adenylate kinase isoenzyme 6, putative, expressed	Chr7	12926448	12930711 +	4	1046	5.86
LOC_Os09g07140.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr9	3486176	3488666 +	3	696	5.81
LOC_Os06g49510.2	zinc knuckle family protein, putative, expressed	Chr6	29990034	29992228 -	3	1771	6.79
LOC_Os01g07570.1	carboxyl-terminal proteinase, putative, expressed	Chr1	3633275	3639164 -	7	2187	6.48
LOC_Os01g47080.1	pyruvate kinase, putative, expressed	Chr1	26888393	26895732 -	12	2630	7.43
LOC_Os10g25320.3	initiation factor 2 subunit family domain containing protein, expressed	Chr10	13091456	13096704 -	9	1616	6.25
LOC_Os01g34610.1	expressed protein	Chr1	19079248	19083485 +	6	2050	5.50
LOC_Os06g43570.1	peptidase, T1 family, putative, expressed	Chr6	26199320	26204623 -	8	1629	6.60
LOC_Os07g22950.1	adenylate kinase isoenzyme 6, putative, expressed	Chr7	12926466	12930711 +	3	1074	5.86
LOC_Os07g22950.3	adenylate kinase isoenzyme 6, putative, expressed	Chr7	12926448	12930711 +	3	1040	5.85
LOC_Os01g37870.3	PPR repeat domain containing protein, putative, expressed	Chr1	21195432	21201638 +	11	2885	4.82
LOC_Os10g25320.2	initiation factor 2 subunit family domain containing protein, expressed	Chr10	13091456	13096750 -	9	1666	6.25
LOC_Os05g02410.1	expressed protein	Chr5	791891	794673 +	3	877	5.74
LOC_Os03g16130.2	CAMK_CAMK_like_ULKh_APGy.2 - CAMK includes calcium/calmodulin depeident protein kinases,	Chr3	8896203	8901979 -	12	3152	5.19
LOC_Os01g72880.1	DNA mismatch repair protein Mlh1, putative, expressed	Chr1	42268880	42274913 +	16	3135	6.36
LOC_Os06g48200.1	glycosyl hydrolases family 16, putative, expressed	Chr6	29156425	29157883 -	3	1390	6.04
LOC_Os03g22050.1	CAMK_KIN1/SNF1/Nim1_like.16 - CAMK includes calcium/calmodulin depeident protein kinases,	Chr3	12630705	12635182 -	2	3824	-5.34
LOC_Os06g07550.1	PPR repeat domain containing protein, putative, expressed	Chr6	3640786	3643651 +	3	2647	5.88
LOC_Os01g07280.1	disease resistance protein, putative, expressed	Chr1	3431606	3435618 -	5	3112	5.72
LOC_Os01g32980.1	mitochondrial carrier protein, putative, expressed	Chr1	18101551	18111348 -	9	2002	6.53
LOC_Os03g22050.2	CAMK_KIN1/SNF1/Nim1_like.16 - CAMK includes calcium/calmodulin depeident protein kinases,	Chr3	12630705	12635182 -	2	3818	-5.34
LOC_Os03g14020.1	AGAP009131-PA, putative, expressed	Chr3	7603067	7607609 +	7	1548	6.27
LOC_Os06g05390.2	expressed protein	Chr6	2433393	2437334 -	9	2067	6.67
LOC_Os05g15360.7	expressed protein	Chr5	8691772	8696463 -	5	1527	7.05
LOC_Os01g37820.1	oxidoreductase/ transition metal ion binding protein, putative, expressed	Chr1	21151490	21155639 -	7	1970	7.78
LOC_Os05g15360.4	expressed protein	Chr5	8691772	8696463 -	4	1436	7.05
LOC_Os06g21680.1	expressed protein	Chr6	12513741	12514685 -	2	715	5.79
LOC_Os03g25050.1	chaperonin, putative, expressed	Chr3	14298390	14301345 -	3	767	6.88
LOC_Os04g46100.1	expressed protein	Chr4	27318314	27323409 -	6	2283	7.01
LOC_Os06g05390.1	expressed protein	Chr6	2433393	2437377 -	9	1792	6.51
LOC_Os08g32630.1	FAD dependent oxidoreductase, putative, expressed	Chr8	20208860	20218829 +	18	2797	6.81
LOC_Os06g13020.1	DNA polymerase lambda, putative, expressed	Chr6	7128119	7133515 -	14	2401	4.56
LOC_Os08g32630.2	FAD dependent oxidoreductase, putative, expressed	Chr8	20208860	20218829 +	18	2810	6.81

LOC_Os01g18280.1	SNF7 domain containing protein, putative, expressed	Chr1	10262946	10267962 +	9	2099	5.24
LOC_Os06g41740.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr6	25020457	25021422 -	1	998	-7.31
LOC_Os01g15399.2	expressed protein	Chr1	8630317	8633592 -	5	2888	6.80
LOC_Os05g45760.1	EMB1796, putative, expressed	Chr5	26504419	26506627 -	1	2241	6.78
LOC_Os04g49920.1	sensitivity to red light reduced protein 1, putative, expressed	Chr4	29770168	29773759 -	5	2836	6.20
LOC_Os07g28280.1	ubiquitin-related modifier 1, putative, expressed	Chr7	16522444	16524087 -	4	858	6.52
LOC_Os01g03340.1	BBTI4 - Bowman-Birk type bran trypsin inhibitor precursor, expressed	Chr1	1347567	1348786 -	1	1252	-5.35
LOC_Os03g16130.1	CAMK_CAMK_like_ULKh_APGy.2 - CAMK includes calcium/calmodulin depedent protein kinases,	Chr3	8896186	8901979 -	13	3112	5.18
LOC_Os08g32630.4	FAD dependent oxidoreductase, putative, expressed	Chr8	20208860	20218829 +	17	2856	6.81
LOC_Os09g25690.1	retrotransposon protein, putative, unclassified, expressed	Chr9	15420770	15421567 -	1	830	-9.44
LOC_Os01g15399.1	expressed protein	Chr1	8630317	8633592 -	5	2780	6.79
LOC_Os08g32630.3	FAD dependent oxidoreductase, putative, expressed	Chr8	20208860	20218837 +	17	2880	6.81
LOC_Os01g42120.1	expressed protein	Chr1	23881900	23884206 +	5	785	5.49
LOC_Os02g49326.1	SET domain-containing protein, putative, expressed	Chr2	30144260	30148692 +	13	2347	6.48
LOC_Os02g15700.1	expressed protein	Chr2	8842927	8844249 -	1	1355	-8.92
LOC_Os11g37300.1	OsFBDUF53 - F-box and DUF domain containing protein, expressed	Chr11	22025760	22029748 +	3	3445	6.42
LOC_Os03g55310.1	SWIB/MDM2 domain containing protein, expressed	Chr3	31469919	31471769 -	2	857	5.46
LOC_Os01g59160.1	UBA/TS-N domain containing protein, expressed	Chr1	34175921	34179798 -	8	1507	6.12
LOC_Os03g47740.2	homeodomain protein, putative, expressed	Chr3	27057559	27063684 -	6	3181	-5.67
LOC_Os12g27994.1	expressed protein	Chr12	16500199	16504887 -	2	1671	4.54
LOC_Os07g02950.1	expressed protein	Chr7	1096376	1101697 -	11	3019	5.03
LOC_Os07g39090.1	pentatricopeptide repeat domain containing protein, putative, expressed	Chr7	23425405	23430886 -	6	3228	5.41
LOC_Os08g19470.1	expressed protein	Chr8	11630390	11631400 +	6	462	6.94
LOC_Os07g35790.1	TKL_IRAK_DUF26-ld.5 - DUF26 kinases have homology to DUF26 containing loci, expressed	Chr7	21434557	21437671 -	7	2504	-7.17
LOC_Os07g32730.1	DNA repair protein rhp16, putative, expressed	Chr7	19541481	19545806 +	11	1834	5.35
LOC_Os09g39580.1	calmodulin-binding heat-shock protein, putative, expressed	Chr9	22716054	22719930 -	3	3350	5.83
LOC_Os03g47740.1	homeodomain protein, putative, expressed	Chr3	27057031	27063684 -	7	3118	-5.83
LOC_Os04g49450.2	MYB family transcription factor, putative, expressed	Chr4	29500955	29503775 -	6	2281	7.11
LOC_Os03g16130.6	CAMK_CAMK_like_ULKh_APGy.2 - CAMK includes calcium/calmodulin depedent protein kinases,	Chr3	8896203	8901979 -	12	3092	5.16
LOC_Os01g72020.1	BTBA3 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Ankyrin repeat region, expresse	Chr1	41741160	41744666 -	2	2348	5.89
LOC_Os01g65830.1	acyl-desaturase, chloroplast precursor, putative, expressed	Chr1	38224419	38226031 +	2	1591	8.11
LOC_Os02g49450.1	BSD domain-containing protein, putative, expressed	Chr2	30220528	30223990 +	6	1615	8.27
LOC_Os03g16130.3	CAMK_CAMK_like_ULKh_APGy.2 - CAMK includes calcium/calmodulin depedent protein kinases,	Chr3	8896203	8901979 -	12	3119	5.17
LOC_Os03g55360.1	heat shock protein DnaJ, putative, expressed	Chr3	31495921	31500606 +	7	2974	6.87
LOC_Os01g12660.1	AAA-type ATPase family protein, putative, expressed	Chr1	6970861	6976710 -	15	3447	7.82
LOC_Os04g44590.1	expressed protein	Chr4	26387544	26391274 +	4	1063	5.49
LOC_Os12g27994.2	expressed protein	Chr12	16500199	16507888 -	2	1574	4.54
LOC_Os04g49450.1	MYB family transcription factor, putative, expressed	Chr4	29500951	29503775 -	6	2210	7.11
LOC_Os01g04720.2	leucine-rich repeat protein-related, putative, expressed	Chr1	2130798	2137310 +	7	4093	6.19
LOC_Os02g52300.1	CPuORF38 - conserved peptide uORF-containing transcript, expressed	Chr2	32021572	32023233 +	1	1694	6.15
LOC_Os03g51090.1	OsFBDUF17 - F-box and DUF domain containing protein, expressed	Chr3	29209943	29212204 +	2	2188	6.57
LOC_Os05g12280.1	clumping factor A precursor, putative, expressed	Chr5	7049881	7050866 -	1	1018	-8.55
LOC_Os06g06790.1	OsPDIL1-5 protein disulfide isomerase PDIL1-5, expressed	Chr6	3199337	3203979 +	12	2522	6.13
LOC_Os02g42412.1	F-box/LRR-repeat protein 2, putative, expressed	Chr2	25514508	25515647 -	1	1172	6.88
LOC_Os02g56320.1	glycogen synthase 1, putative, expressed	Chr2	34475930	34483804 +	23	3431	7.10

LOC_Os03g05049.1	expressed protein	Chr3	2460730	2462190 +	1	1493	5.70
LOC_Os10g06700.1	OsFBX375 - F-box domain containing protein, expressed	Chr10	3468006	3469320 +	1	1347	5.75
LOC_Os01g65530.1	RNA recognition motif containing protein, putative, expressed	Chr1	38031498	38035556 +	6	1458	5.70
LOC_Os01g70920.2	cullin-1, putative, expressed	Chr1	41052348	41056649 +	9	2051	7.42
LOC_Os06g41710.1	CW-type Zinc Finger, putative, expressed	Chr6	24986838	24998104 -	18	3881	6.41
LOC_Os11g14230.1	uncharacterized protein yqxC, putative, expressed	Chr11	7964439	7969046 -	9	1655	6.94
LOC_Os11g44960.1	NBS-LRR disease resistance protein, putative, expressed	Chr11	27221855	27226087 +	2	3334	-4.80
LOC_Os02g53340.2	cyclic nucleotide-gated ion channel, putative, expressed	Chr2	32648606	32659775 +	13	3152	6.93
LOC_Os07g33050.1	expressed protein	Chr7	19740385	19742856 -	4	2332	6.59
LOC_Os03g48040.2	2Fe-2S iron-sulfur cluster binding domain containing protein, expressed	Chr3	27309859	27312904 +	8	1226	5.67
LOC_Os03g48040.1	2Fe-2S iron-sulfur cluster binding domain containing protein, expressed	Chr3	27309857	27312904 +	8	1234	5.67
LOC_Os05g32180.1	acetyltransferase, GNAT family, putative, expressed	Chr5	18763653	18767184 -	9	2177	5.07
LOC_Os12g41950.1	auxin response factor, putative, expressed	Chr12	26002359	26008415 -	14	4408	6.96
LOC_Os03g16960.1	cysteine-rich repeat secretory protein 55 precursor, putative, expressed	Chr3	9425490	9426843 -	2	1330	-10.80
LOC_Os09g21760.1	proteasome subunit, putative, expressed	Chr9	13174382	13178163 -	12	1998	6.12
LOC_Os02g30114.1	expressed protein	Chr2	17887846	17889802 -	4	1628	6.34
LOC_Os01g21860.1	AGAP010768-PA, putative, expressed	Chr1	12264911	12269085 +	7	1184	5.59
LOC_Os03g08680.2	pentatricopeptide, putative, expressed	Chr3	4470565	4476109 -	7	2108	6.38
LOC_Os04g44590.3	expressed protein	Chr4	26387544	26391345 +	5	878	5.29
LOC_Os06g17880.1	NBS-LRR disease resistance protein, putative, expressed	Chr6	10375846	10380263 +	2	3292	7.89
LOC_Os07g14350.1	methyltransferase, putative, expressed	Chr7	8194024	8199887 +	7	1616	5.83
LOC_Os03g58540.1	spo0B-associated GTP-binding protein, putative, expressed	Chr3	33334430	33338512 +	9	2209	6.36
LOC_Os07g30150.1	phosphoribosyl transferase, putative, expressed	Chr7	17787745	17801445 -	6	1372	5.63
LOC_Os01g57480.1	serine/threonine-protein kinase receptor precursor, putative, expressed	Chr1	33210230	33216333 +	9	3755	6.97
LOC_Os04g09350.2	expressed protein	Chr4	4969979	4975369 +	2	1960	7.03
LOC_Os05g49300.1	iron-sulfur cluster assembly enzyme ISCU, mitochondrial precursor, putative, expressed	Chr5	28289829	28293272 +	3	1073	7.74
LOC_Os01g70920.1	cullin-1, putative, expressed	Chr1	41052359	41056649 +	10	2171	7.42
LOC_Os04g39130.1	expressed protein	Chr4	23272614	23275363 +	4	1400	5.81
LOC_Os02g26790.1	expressed protein	Chr2	15725681	15726657 -	3	894	5.59
LOC_Os09g38268.1	RNA polymerase IV largest subunit, putative, expressed	Chr9	22029199	22032739 +	6	1587	6.66
LOC_Os02g06470.1	OsFBX38 - F-box domain containing protein, expressed	Chr2	3227508	3229370 +	1	1895	5.93
LOC_Os01g34620.2	OsGrx_S15.1 - glutaredoxin subgroup II, expressed	Chr1	19089932	19094304 +	9	1784	5.01
LOC_Os01g34620.1	OsGrx_S15.1 - glutaredoxin subgroup II, expressed	Chr1	19089909	19094304 +	9	1830	5.01
LOC_Os01g34620.7	OsGrx_S15.1 - glutaredoxin subgroup II, expressed	Chr1	19089909	19094304 +	9	1831	5.01
LOC_Os01g72870.3	BAS1, putative, expressed	Chr1	42265021	42268472 -	13	1633	6.19
LOC_Os12g32630.1	OsFBX448 - F-box domain containing protein, expressed	Chr12	19684832	19687895 -	2	1684	5.84
LOC_Os03g27780.1	protein phosphatase protein, putative, expressed	Chr3	15932524	15936871 +	9	2810	5.01
LOC_Os01g49930.1	expressed protein	Chr1	28675508	28680156 -	7	2448	4.90
LOC_Os02g26850.1	rRNA-processing protein FCF, putative, expressed	Chr2	15762105	15765880 -	5	1567	5.90
LOC_Os01g72870.2	BAS1, putative, expressed	Chr1	42265021	42268518 -	13	1687	6.19
LOC_Os06g30380.1	GTP binding protein, putative, expressed	Chr6	17550089	17553470 +	3	2482	6.71
LOC_Os02g53340.1	cyclic nucleotide-gated ion channel, putative, expressed	Chr2	32648606	32659777 +	14	3250	6.98
LOC_Os02g54900.1	STE_PAK_Ste20_STLK.2 - STE kinases include homologs to sterile 7, sterile 11 and sterile 20 from	Chr2	33623756	33630043 +	19	3606	6.28
LOC_Os04g44290.1	expressed protein	Chr4	26232855	26237506 +	8	2988	8.11
LOC_Os09g26190.1	CBS domain containing protein, expressed	Chr9	15790768	15800951 +	12	2815	5.35

LOC_Os07g08120.2	BTBT2 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with tetratricopeptide repeats, expr	Chr7	4118354	4123587 +	6	3749	5.40
LOC_Os11g17600.2	roothairless 1, putative, expressed	Chr11	9794908	9810269 +	26	4102	5.97
LOC_Os08g32630.5	FAD dependent oxidoreductase, putative, expressed	Chr8	20208860	20218829 +	17	2853	6.92
LOC_Os01g16100.1	translin, putative, expressed	Chr1	9067360	9071396 -	7	1713	6.83
LOC_Os02g07150.1	urease accessory protein F, putative, expressed	Chr2	3674673	3677044 +	1	2404	6.95
LOC_Os06g40510.1	CRAL/TRIO domain containing protein, expressed	Chr6	24142814	24147311 -	12	1377	5.09
LOC_Os03g12630.1	expressed protein	Chr3	6716365	6720197 +	2	757	6.88
LOC_Os03g14020.2	AGAP009131-PA, putative, expressed	Chr3	7603067	7607605 +	6	1677	6.36
LOC_Os07g08120.1	BTBT2 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with tetratricopeptide repeats, expr	Chr7	4118354	4123592 +	5	3852	5.40
LOC_Os05g24000.1	expressed protein	Chr5	13823200	13828651 -	7	1548	5.91
LOC_Os10g40720.1	expansin precursor, putative, expressed	Chr10	21847804	21849726 -	4	1467	6.18
LOC_Os01g72870.1	BAS1, putative, expressed	Chr1	42265021	42268525 -	14	1767	6.19
LOC_Os09g16910.1	cysteine desulfurase 1, mitochondrial precursor, putative, expressed	Chr9	10328808	10333390 +	2	2103	7.60
LOC_Os09g16910.3	cysteine desulfurase 1, mitochondrial precursor, putative, expressed	Chr9	10328808	10333390 +	3	2249	7.64
LOC_Os01g51754.3	alpha-amylase precursor, putative, expressed	Chr1	29762378	29766397 +	5	2585	6.32
LOC_Os10g26700.1	YGL010w, putative, expressed	Chr10	13939899	13941106 -	3	1102	5.31
LOC_Os01g67720.3	ABC1 family domain containing protein, putative, expressed	Chr1	39357455	39362884 -	12	2316	6.54
LOC_Os01g67720.1	ABC1 family domain containing protein, putative, expressed	Chr1	39357455	39362884 -	12	2320	6.54
LOC_Os02g14980.1	calcium-binding EF hand family protein, putative, expressed	Chr2	8358769	8362960 +	7	2593	5.80
LOC_Os03g27780.2	protein phosphatase protein, putative, expressed	Chr3	15932524	15936871 +	8	2862	5.04
LOC_Os02g14980.2	calcium-binding EF hand family protein, putative, expressed	Chr2	8359318	8362959 +	6	2602	5.80
LOC_Os01g34620.3	OsGrx_S15.1 - glutaredoxin subgroup II, expressed	Chr1	19089909	19093892 +	9	1400	4.80
LOC_Os04g58600.2	L-asparaginase precursor protein, putative, expressed	Chr4	34839496	34843337 +	10	1963	6.59
LOC_Os05g24000.2	expressed protein	Chr5	13823207	13828651 -	7	1538	5.90
LOC_Os08g33076.1	myrosinase precursor, putative, expressed	Chr8	20553106	20557893 +	10	2380	5.25
LOC_Os01g09020.1	WD domain, G-beta repeat domain containing protein, expressed	Chr1	4534021	4540216 +	8	2898	6.64
LOC_Os01g67720.2	ABC1 family domain containing protein, putative, expressed	Chr1	39357455	39362884 -	11	2366	6.54
LOC_Os04g53160.1	NBS-LRR disease resistance protein, putative, expressed	Chr4	31656691	31662693 +	3	5924	6.67
LOC_Os01g11880.1	DJ-1 family protein, putative, expressed	Chr1	6432336	6436086 +	7	2382	6.37
LOC_Os07g32950.1	dnaJ C terminal region family protein, expressed	Chr7	19692304	19695407 +	6	1975	5.80
LOC_Os04g09350.3	expressed protein	Chr4	4965526	4975369 +	2	1115	6.09
LOC_Os02g53400.1	thioredoxin, putative, expressed	Chr2	32684150	32686062 +	5	1008	6.17
LOC_Os01g52400.2	bacterial transferase hexapeptide domain containing protein, expressed	Chr1	30102785	30107361 +	11	2057	5.91
LOC_Os12g16690.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr12	9565764	9570986 +	6	3586	6.97
LOC_Os02g46520.1	hydrolase, putative, expressed	Chr2	28362823	28366935 +	10	2067	7.83
LOC_Os05g25180.1	zinc finger, C3HC4 type family protein, expressed	Chr5	14587893	14593800 -	8	2418	5.07
LOC_Os01g52400.1	bacterial transferase hexapeptide domain containing protein, expressed	Chr1	30102785	30107361 +	11	2081	5.91
LOC_Os09g16910.2	cysteine desulfurase 1, mitochondrial precursor, putative, expressed	Chr9	10328808	10330646 +	1	1871	7.09
LOC_Os07g47100.2	transporter, monovalent cation%3Aproton antiporter-2 family, putative, expressed	Chr7	28164412	28169335 +	14	2842	7.77
LOC_Os03g01190.1	dehydrogenase, putative, expressed	Chr3	122870	125144 -	3	1596	-5.05
LOC_Os03g58540.2	spo0B-associated GTP-binding protein, putative, expressed	Chr3	33334430	33338512 +	8	2293	6.39
LOC_Os08g27040.1	lipid phosphatase protein, putative, expressed	Chr8	16519419	16523966 -	9	1992	7.35
LOC_Os04g08190.1	expressed protein	Chr4	4353140	4355614 +	1	2507	4.95
LOC_Os04g36850.1	ORG4, putative, expressed	Chr4	22243852	22246382 +	4	1053	7.46
LOC_Os10g34602.1	csAtPR5, putative, expressed	Chr10	18446071	18449621 +	3	1422	7.40

LOC_Os10g35450.1	serine/threonine-protein kinase, putative, expressed	Chr10	18970490	18975230 +	8	2674	7.20
LOC_Os12g04660.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr12	1973806	1974672 -	1	899	5.22
LOC_Os04g47660.1	retrotransposon protein, putative, unclassified, expressed	Chr4	28280837	28282961 +	2	1354	5.44
LOC_Os03g56390.1	tRNA wybutosine-synthesizing protein 1, putative, expressed	Chr3	32147198	32150758 +	8	2616	6.42
LOC_Os01g34620.4	OsGrx_S15.1 - glutaredoxin subgroup II, expressed	Chr1	19089909	19093121 +	8	1499	4.92
LOC_Os01g34620.6	OsGrx_S15.1 - glutaredoxin subgroup II, expressed	Chr1	19089909	19093121 +	8	1512	4.92
LOC_Os01g34620.9	OsGrx_S15.1 - glutaredoxin subgroup II, expressed	Chr1	19089909	19093121 +	8	1512	4.92
LOC_Os01g34620.5	OsGrx_S15.1 - glutaredoxin subgroup II, expressed	Chr1	19089909	19093121 +	8	1517	4.92
LOC_Os07g43316.1	SAP domain-containing protein, putative, expressed	Chr7	25933048	25936540 +	3	3024	6.27
LOC_Os07g47100.1	transporter, monovalent cation%3Aproton antiporter-2 family, putative, expressed	Chr7	28164414	28169335 +	15	2745	7.77
LOC_Os07g43316.2	SAP domain-containing protein, putative, expressed	Chr7	25933048	25936540 +	4	2976	6.27
LOC_Os06g04350.1	expressed protein	Chr6	1849923	1853898 -	9	1888	5.42
LOC_Os12g10540.3	OsMADS13 - MADS-box family gene with MIKCC type-box, expressed	Chr12	5586131	5590285 +	7	1411	5.69
LOC_Os05g29760.5	ferrochelatase-2, chloroplast precursor, putative, expressed	Chr5	17212352	17216483 +	7	2753	6.07
LOC_Os02g51390.2	expressed protein	Chr2	31467395	31471563 +	5	3534	5.86
LOC_Os01g13300.1	B3 DNA binding domain containing protein, expressed	Chr1	7417303	7422624 +	9	2510	6.39
LOC_Os12g32630.2	OsFBX448 - F-box domain containing protein, expressed	Chr12	19684832	19687895 -	2	1951	5.87
LOC_Os05g03640.1	flavonol synthase/flavanone 3-hydroxylase, putative, expressed	Chr5	1561980	1568165 -	3	1665	-6.35
LOC_Os11g05570.1	RNASEH2A - Putative ribonuclease H2 large subunit, expressed	Chr11	2529744	2532695 +	8	1573	6.51
LOC_Os03g10990.1	retinoblastoma-binding protein-like, putative, expressed	Chr3	5646147	5650212 -	5	2556	5.50
LOC_Os12g32280.1	SWIB/MDM2 domain containing protein, expressed	Chr12	19488028	19492689 -	2	720	5.25
LOC_Os08g03430.2	extracellular ligand-gated ion channel, putative, expressed	Chr8	1606315	1611097 +	5	2095	5.41
LOC_Os08g39970.1	ENT domain containing protein, expressed	Chr8	25321532	25325637 +	8	1900	5.65
LOC_Os08g36150.1	activator of 90 kDa heat shock protein ATPase homolog, putative, expressed	Chr8	22777101	22781266 -	3	1598	6.32
LOC_Os05g44800.2	expressed protein	Chr5	26049874	26052703 +	4	943	4.75
LOC_Os09g35910.1	homeobox associated leucine zipper, putative, expressed	Chr9	20671754	20673282 +	2	1499	5.51
LOC_Os03g58540.3	spo0B-associated GTP-binding protein, putative, expressed	Chr3	33334430	33338512 +	7	2381	6.39
LOC_Os02g30114.2	expressed protein	Chr2	17887846	17889823 -	4	1315	6.12
LOC_Os10g26700.2	YGL010w, putative, expressed	Chr10	13940043	13941106 -	2	1023	5.20
LOC_Os01g72800.1	signal recognition particle receptor, putative, expressed	Chr1	42234584	42237458 -	11	1697	7.10
LOC_Os12g29670.1	expressed protein	Chr12	17695043	17698326 +	2	641	4.87
LOC_Os02g04010.1	cyclin-T1-1, putative, expressed	Chr2	1733994	1737711 -	5	3389	4.75
LOC_Os06g39906.1	homeobox domain containing protein, expressed	Chr6	23732555	23734536 +	4	1473	7.21
LOC_Os02g04010.4	cyclin-T1-1, putative, expressed	Chr2	1733994	1737711 -	5	3382	4.75
LOC_Os03g54050.1	anther-specific proline-rich protein APG precursor, putative, expressed	Chr3	30989898	30991939 +	3	1709	5.57
LOC_Os11g08660.1	TOPBP1A - Similar to DNA replication protein TOPBP1 from, expressed	Chr11	4614156	4622265 +	16	3561	6.70
LOC_Os02g04010.2	cyclin-T1-1, putative, expressed	Chr2	1733994	1737711 -	6	2236	4.36
LOC_Os04g51809.2	expressed protein	Chr4	30716167	30722227 +	3	1881	5.75
LOC_Os04g55710.1	transposon protein, putative, unclassified, expressed	Chr4	33161540	33164790 +	3	1660	5.61
LOC_Os07g34640.2	pyruvate Pi dikinase regulatory protein, putative, expressed	Chr7	20764652	20767839 +	3	1882	4.59
LOC_Os06g07860.1	cystathionine gamma-synthase, putative, expressed	Chr6	3823021	3827411 +	12	2138	5.97
LOC_Os03g20300.1	glucose-6-phosphate 1-dehydrogenase, chloroplast precursor, putative, expressed	Chr3	11468496	11475783 -	13	3637	6.26
LOC_Os07g15490.1	C2-BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with C2 subfamily conserved sequ	Chr7	8989124	8992852 +	2	1238	6.03
LOC_Os06g02340.1	OsFBX183 - F-box domain containing protein, expressed	Chr6	779995	782325 +	2	1669	5.55
LOC_Os06g13020.2	DNA polymerase lambda, putative, expressed	Chr6	7128352	7133515 -	14	2165	4.33

LOC_Os12g16410.3	isoflavone reductase, putative, expressed	Chr12	9397034	9400411 -	3	1110	6.01
LOC_Os03g55950.2	H-BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence,	Chr3	31853872	31857850 +	4	2714	5.16
LOC_Os01g59920.1	cysteine synthase, chloroplast precursor, putative, expressed	Chr1	34647037	34650771 -	10	2101	5.84
LOC_Os02g13340.1	expressed protein	Chr2	7115786	7119634 +	2	2740	6.54
LOC_Os09g04550.1	retrotransposon protein, putative, unclassified, expressed	Chr9	2425674	2430409 +	4	3431	5.14
LOC_Os10g39820.1	zinc knuckle domain containing protein, expressed	Chr10	21311579	21315431 -	4	1633	5.22
LOC_Os03g49750.1	protein kinase family protein, putative, expressed	Chr3	28314271	28319959 +	6	3181	6.43
LOC_Os11g07912.1	MLO domain containing protein, putative, expressed	Chr11	4086132	4090752 +	15	2663	6.55
LOC_Os02g51290.1	HVA22, putative, expressed	Chr2	31407145	31409724 +	6	1314	5.57
LOC_Os10g16520.1	retrotransposon protein, putative, unclassified, expressed	Chr10	8235582	8237354 +	3	1713	-4.83
LOC_Os01g46570.3	CTP synthase, putative, expressed	Chr1	26516899	26521761 +	19	2651	6.18
LOC_Os07g38940.1	ubiquitin-conjugating enzyme, putative, expressed	Chr7	23349422	23352488 +	4	1057	5.21
LOC_Os12g38660.1	expressed protein	Chr12	23750274	23750582 -	1	341	-5.62
LOC_Os07g47100.3	transporter, monovalent cation%3Aproton antiporter-2 family, putative, expressed	Chr7	28164424	28168326 +	14	2268	6.60
LOC_Os11g35320.1	BSD domain-containing protein, putative, expressed	Chr11	20709538	20714204 -	3	1875	5.67
LOC_Os01g02770.1	resistance-related receptor-like kinase, putative, expressed	Chr1	961681	965151 +	3	2088	6.48
LOC_Os09g38450.1	expressed protein	Chr9	22134460	22137041 -	5	2328	5.88
LOC_Os10g28360.1	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase protein, putative, expressed	Chr10	14757124	14759781 -	5	1305	6.89
LOC_Os12g10540.2	OsMADS13 - MADS-box family gene with MIKCC type-box, expressed	Chr12	5584593	5590285 +	8	1619	5.74
LOC_Os01g61560.1	phosphatidate cytidyltransferase, putative, expressed	Chr1	35601031	35604029 -	6	1370	5.35
LOC_Os12g31450.1	plastid division regulator MinE, putative, expressed	Chr12	18913254	18915691 -	2	1143	5.11
LOC_Os02g35180.1	OsRR2 type-A response regulator, expressed	Chr2	21128620	21131370 -	6	1887	5.67
LOC_Os02g38160.2	glycosyl transferase family 17 protein, putative, expressed	Chr2	23083106	23086442 -	1	3369	5.12
LOC_Os03g18540.4	expressed protein	Chr3	10381358	10387602 +	13	2971	4.76
LOC_Os12g05410.2	G10 protein, putative, expressed	Chr12	2449160	2451525 +	4	903	5.02
LOC_Os12g05410.1	G10 protein, putative, expressed	Chr12	2449160	2451525 +	4	907	5.02
LOC_Os03g16740.1	protein kinase APK1A, chloroplast precursor, putative, expressed	Chr3	9269491	9273582 -	6	2738	5.06
LOC_Os04g09350.4	expressed protein	Chr4	4965526	4975290 +	4	851	5.60
LOC_Os03g16740.2	protein kinase APK1A, chloroplast precursor, putative, expressed	Chr3	9269491	9273580 -	6	2730	5.06
LOC_Os03g54050.2	anther-specific proline-rich protein APG precursor, putative, expressed	Chr3	30989897	30991939 +	3	1572	5.57
LOC_Os03g53990.1	expressed protein	Chr3	30954503	30959361 +	5	4117	5.65
LOC_Os06g07474.1	tetratricopeptide repeat domain containing protein, expressed	Chr6	3588217	3595865 -	15	2404	5.86
LOC_Os08g25570.1	histone deacetylase, putative, expressed	Chr8	15554139	15559152 +	6	2056	5.82
LOC_Os03g50110.1	transcription regulator, putative, expressed	Chr3	28585246	28586715 -	1	1502	7.01
LOC_Os04g40430.1	surfeit locus protein, putative, expressed	Chr4	24026632	24029053 +	5	1370	5.33
LOC_Os04g40430.2	surfeit locus protein, putative, expressed	Chr4	24026632	24029054 +	5	1368	5.33
LOC_Os02g31960.1	ATP/GTP binding protein, putative, expressed	Chr2	18889920	18897018 -	14	2282	5.70
LOC_Os06g07474.2	tetratricopeptide repeat domain containing protein, expressed	Chr6	3588217	3595865 -	15	2415	5.86
LOC_Os11g02460.3	outer membrane protein, OMP85 family, putative, expressed	Chr11	739096	742792 -	8	2519	4.75
LOC_Os03g52750.1	cyclin, putative, expressed	Chr3	30235883	30241190 +	15	2421	4.86
LOC_Os03g18540.1	expressed protein	Chr3	10381358	10387602 +	12	3140	4.76
LOC_Os09g39180.1	RNA recognition motif containing protein, putative, expressed	Chr9	22505003	22507555 -	4	1509	5.41
LOC_Os02g12480.2	expressed protein	Chr2	6508832	6513830 -	3	1340	-3.74
LOC_Os03g16470.2	expressed protein	Chr3	9079602	9081544 +	3	1172	6.48
LOC_Os05g45350.2	dnaJ domain containing protein, expressed	Chr5	26310860	26314173 -	10	1918	5.60

LOC_Os04g47670.2	expressed protein	Chr4	28284070	28285205 +	3	885	7.47
LOC_Os01g42780.1	cysteine proteinase EP-B 2 precursor, putative, expressed	Chr1	24343518	24345173 -	2	1467	6.29
LOC_Os03g18540.2	expressed protein	Chr3	10381358	10387602 +	11	3248	4.76
LOC_Os05g08410.1	ATP10 protein, expressed	Chr5	4585199	4588999 -	7	1286	5.48
LOC_Os11g09970.1	OsFBX411 - F-box domain containing protein, expressed	Chr11	5342461	5345614 -	5	2104	5.04
LOC_Os03g22050.4	CAMK_KIN1/SNF1/Nim1_like.16 - CAMK includes calcium/calmodulin depedent protein kinases,	Chr3	12630705	12634427 -	2	2832	-5.40
LOC_Os03g52750.2	cyclin, putative, expressed	Chr3	30235883	30241190 +	15	2385	4.84
LOC_Os01g68524.2	pentatricopeptide, putative, expressed	Chr1	39811722	39819555 -	5	1293	5.45
LOC_Os04g05650.1	expressed protein	Chr4	2890372	2891360 -	4	713	-7.59
LOC_Os02g56950.1	expressed protein	Chr2	34907528	34910822 -	9	2028	5.06
LOC_Os01g61560.3	phosphatidate cytidyltransferase, putative, expressed	Chr1	35601031	35604029 -	6	1429	5.38
LOC_Os02g04010.3	cyclin-T1-1, putative, expressed	Chr2	1733994	1737711 -	6	2874	4.69
LOC_Os06g44840.2	prenyltransferase, putative, expressed	Chr6	27087517	27092918 +	12	1991	7.66
LOC_Os04g40500.1	glycosyl hydrolase family 5 protein, putative, expressed	Chr4	24060045	24063819 +	4	2097	5.86
LOC_Os12g43830.1	NUC189 domain containing protein, expressed	Chr12	27210339	27213169 -	6	1381	6.47
LOC_Os09g09320.2	nuclear transport factor, putative, expressed	Chr9	4988972	4990544 +	2	892	5.41
LOC_Os09g28560.1	protein phosphotase protein, putative, expressed	Chr9	17366407	17371403 -	9	2066	6.15
LOC_Os06g08910.3	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4490176	4493930 -	5	2206	6.06
LOC_Os05g49430.2	aldose 1-epimerase, putative, expressed	Chr5	28342175	28345123 +	5	2512	7.19
LOC_Os01g43420.1	expressed protein	Chr1	24843730	24846915 -	9	2062	-4.25
LOC_Os06g12160.1	AAA-type ATPase family protein, putative, expressed	Chr6	6503735	6514399 -	24	4247	5.81
LOC_Os08g30790.2	hypersensitive-induced response protein, putative, expressed	Chr8	19012736	19016000 +	6	1674	7.30
LOC_Os07g24830.1	thionin-like peptide, putative, expressed	Chr7	14118021	14118923 +	2	725	-8.09
LOC_Os10g40555.1	expressed protein	Chr10	21707372	21709277 -	10	1397	5.35
LOC_Os06g08910.1	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4490176	4493909 -	5	2150	6.06
LOC_Os09g25410.1	expressed protein	Chr9	15233373	15236004 +	4	2122	5.65
LOC_Os09g28890.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr9	17556929	17558591 +	1	1695	6.60
LOC_Os12g10540.5	OsMADS13 - MADS-box family gene with MIKCC type-box, expressed	Chr12	5584790	5590285 +	9	1479	5.75
LOC_Os03g04140.2	serine acetyltransferase protein, putative, expressed	Chr3	1892824	1897309 -	11	2156	5.47
LOC_Os12g10540.4	OsMADS13 - MADS-box family gene with MIKCC type-box, expressed	Chr12	5584775	5590285 +	8	1483	5.75
LOC_Os06g05820.1	OsLonP2 - Putative Lon protease homologue, expressed	Chr6	2652069	2663464 +	15	4915	5.40
LOC_Os07g20510.1	auxin efflux carrier, putative, expressed	Chr7	11845862	11851637 +	8	4096	5.86
LOC_Os02g54730.1	transmembrane amino acid transporter protein, putative, expressed	Chr2	33511971	33517881 -	12	2565	9.41
LOC_Os04g44590.2	expressed protein	Chr4	26387544	26388693 +	3	780	5.06
LOC_Os02g39290.1	TRAF-type zinc finger family protein, expressed	Chr2	23726236	23729128 -	3	1697	5.12
LOC_Os04g23630.1	expressed protein	Chr4	13525940	13531038 +	4	2578	4.88
LOC_Os07g06670.1	OsFBL35 - F-box domain and LRR containing protein, expressed	Chr7	3251100	3255281 +	6	1713	6.93
LOC_Os01g72090.2	phycoerythrobilin ferredoxin oxidoreductase, putative, expressed	Chr1	41822269	41825087 -	7	1528	4.87
LOC_Os11g11340.1	CIP111, putative, expressed	Chr11	6288905	6295161 +	10	3733	6.54
LOC_Os03g11450.1	expressed protein	Chr3	5900087	5902461 +	8	1320	5.03
LOC_Os11g43934.2	pentatricopeptide, putative, expressed	Chr11	26524908	26530976 -	5	4526	5.35
LOC_Os02g38690.1	protein phosphatase 2C containing protein, expressed	Chr2	23385364	23391840 +	13	2708	7.11
LOC_Os03g60530.1	ras-related protein, putative, expressed	Chr3	34407093	34410746 +	9	1682	5.09
LOC_Os01g40120.1	expressed protein	Chr1	22632889	22637560 -	7	1565	5.58
LOC_Os03g18980.1	kinesin motor domain containing protein, expressed	Chr3	10630061	10635779 -	19	3653	6.08

LOC_Os03g14520.1	nucleotide-sensitive chloride conductance regulator containing protein, expressed	Chr3	7881240	7884334 +	7	1540	5.36
LOC_Os03g20300.3	glucose-6-phosphate 1-dehydrogenase, chloroplast precursor, putative, expressed	Chr3	11468496	11475783 -	12	3849	6.32
LOC_Os05g08410.2	ATP10 protein, expressed	Chr5	4585199	4588999 -	6	1394	5.48
LOC_Os03g60530.3	ras-related protein, putative, expressed	Chr3	34407093	34410746 +	8	1795	5.09
LOC_Os01g60910.1	CAMK_KIN1/SNF1/Nim1_like.12 - CAMK includes calcium/calmodulin dependent protein kinases,	Chr1	35228867	35231733 +	2	2455	5.73
LOC_Os03g47949.1	HECT-domain domain containing protein, expressed	Chr3	27257668	27263489 -	10	2166	6.80
LOC_Os03g16870.1	expressed protein	Chr3	9373153	9375798 -	9	1858	5.70
LOC_Os09g28890.2	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr9	17556974	17558591 +	2	1592	6.30
LOC_Os09g32090.1	methyl-binding domain protein MBD, putative, expressed	Chr9	19150469	19155796 -	5	1932	5.08
LOC_Os03g06860.1	transposon protein, putative, unclassified, expressed	Chr3	3471177	3473588 -	2	2391	6.19
LOC_Os06g34120.1	GDSL-like lipase/acylhydrolase, putative, expressed	Chr6	19866070	19870006 -	5	1740	5.31
LOC_Os07g46220.1	SNARE associated Golgi protein, putative, expressed	Chr7	27579350	27584285 +	9	1846	4.95
LOC_Os01g38980.1	calmodulin-binding protein, putative, expressed	Chr1	21900050	21903309 -	7	2608	-7.30
LOC_Os08g40140.1	geranylgeranyl transferase type-2 subunit beta, putative, expressed	Chr8	25401248	25404642 +	9	1684	5.64
LOC_Os03g60100.1	50S ribosomal protein L17, putative, expressed	Chr3	34174773	34176702 +	3	1070	5.01
LOC_Os03g03140.1	RNA recognition motif containing protein, putative, expressed	Chr3	1322549	1324485 +	3	1357	6.10
LOC_Os01g38980.2	calmodulin-binding protein, putative, expressed	Chr1	21900045	21903309 -	7	2618	-7.30
LOC_Os01g62350.1	60S ribosomal protein L36-2, putative, expressed	Chr1	36083051	36085662 -	4	748	6.58
LOC_Os06g07960.1	cystathionine gamma-synthase, putative, expressed	Chr6	3823413	3827346 +	11	1738	5.96
LOC_Os01g58550.1	methyladenine glycosylase, putative, expressed	Chr1	33837388	33841176 +	5	2424	8.28
LOC_Os03g52284.1	expressed protein	Chr3	30026964	30028598 -	3	435	-6.69
LOC_Os04g57520.1	UBX domain-containing protein, putative, expressed	Chr4	34215817	34222412 +	10	2182	6.37
LOC_Os09g30170.1	F-box protein interaction domain containing protein, expressed	Chr9	18360671	18363993 +	5	2148	5.45
LOC_Os02g09810.2	amino acid transporter, putative, expressed	Chr2	5058716	5061965 -	6	2064	-6.02
LOC_Os02g09810.3	amino acid transporter, putative, expressed	Chr2	5058716	5061965 -	6	2064	-6.02
LOC_Os05g38580.2	50S ribosomal protein L17, putative, expressed	Chr5	22630267	22632494 -	6	938	4.76
LOC_Os02g09810.1	amino acid transporter, putative, expressed	Chr2	5058716	5061962 -	6	2066	-6.02
LOC_Os01g24920.1	poly synthetase 2-B, putative, expressed	Chr1	14031364	14038788 +	13	1824	7.70
LOC_Os08g40160.1	thylakoid lumen protein, chloroplast precursor, putative, expressed	Chr8	25416106	25418793 +	9	1541	4.49
LOC_Os01g14514.1	expressed protein	Chr1	8130247	8131090 +	1	876	4.97
LOC_Os08g12780.1	chloroplast envelope membrane protein, putative, expressed	Chr8	7568532	7574295 -	10	2332	4.98
LOC_Os05g34790.1	GYF domain containing protein, putative, expressed	Chr5	20644708	20648700 +	7	968	6.04
LOC_Os07g01150.3	fatty acid hydroxylase, putative, expressed	Chr7	88336	90761 +	8	1602	7.21
LOC_Os04g52230.1	ent-kaurene synthase, chloroplast precursor, putative, expressed	Chr4	31026617	31031248 +	14	3373	6.09
LOC_Os07g17130.1	FYVE zinc finger domain containing protein, expressed	Chr7	10064207	10068023 +	5	2302	5.62
LOC_Os08g32500.1	nucleobase-ascorbate transporter, putative, expressed	Chr8	20129190	20133667 +	14	3267	4.88
LOC_Os07g33270.1	DUF584 domain containing protein, putative, expressed	Chr7	19887177	19888285 -	1	1141	4.40
LOC_Os01g72090.1	phycoerythrobilin ferredoxin oxidoreductase, putative, expressed	Chr1	41822269	41825087 -	8	1475	4.86
LOC_Os02g12480.8	expressed protein	Chr2	6508832	6513830 -	4	1434	-3.68
LOC_Os03g38990.1	DNA-binding protein, putative, expressed	Chr3	21673710	21680377 +	15	2975	5.34
LOC_Os03g57330.3	IQ calmodulin-binding motif domain containing protein, expressed	Chr3	32700604	32704373 -	7	2197	6.92
LOC_Os03g34040.3	ribosomal protein, putative, expressed	Chr3	19412908	19417098 -	3	1636	5.78
LOC_Os09g29750.1	ZOS9-15 - C2H2 zinc finger protein, expressed	Chr9	18085524	18090864 -	4	3820	4.53
LOC_Os11g29490.3	plasma membrane ATPase, putative, expressed	Chr11	17108744	17115599 +	13	3890	4.33
LOC_Os01g14514.2	expressed protein	Chr1	8130247	8131022 +	2	736	4.87

LOC_Os08g06230.1	nucleolar GTP-binding protein 1, putative, expressed	Chr8	3431841	3438225 -	14	2431	5.01
LOC_Os04g52340.1	expressed protein	Chr4	31098474	31103030 -	11	2000	6.05
LOC_Os10g13694.3	expressed protein	Chr10	7437013	7441835 +	2	1320	5.68
LOC_Os04g59620.1	SNF2 family N-terminal domain containing protein, expressed	Chr4	35445920	35451211 -	16	2878	6.07
LOC_Os04g33450.2	expressed protein	Chr4	20221230	20223082 -	4	1118	-7.40
LOC_Os12g04860.1	DTW domain containing protein, putative, expressed	Chr12	2087516	2090631 -	1	3148	7.08
LOC_Os05g37700.2	periplasmic beta-glucosidase precursor, putative, expressed	Chr5	22068411	22072905 +	8	3576	7.71
LOC_Os06g44840.1	prenyltransferase, putative, expressed	Chr6	27087455	27092919 +	13	2196	7.69
LOC_Os05g02420.2	expressed protein	Chr5	801087	803464 +	2	1664	-4.86
LOC_Os05g37700.1	periplasmic beta-glucosidase precursor, putative, expressed	Chr5	22068489	22072900 +	8	3510	7.71
LOC_Os02g51640.1	expressed protein	Chr2	31622776	31627571 -	5	1922	5.87
LOC_Os03g57170.2	cell cycle control protein, putative, expressed	Chr3	32599191	32602584 +	10	1845	6.70
LOC_Os11g07940.1	expressed protein	Chr11	4102967	4110192 +	9	2286	7.06
LOC_Os01g20160.1	OsHKT1%3B5 - Na%2B transporter, expressed	Chr1	11458955	11463442 -	3	2260	-7.27
LOC_Os03g04140.1	serine acetyltransferase protein, putative, expressed	Chr3	1892824	1897309 -	10	2016	5.45
LOC_Os03g26930.1	OsSCP13 - Putative Serine Carboxypeptidase homologue, expressed	Chr3	15400415	15403844 +	8	2076	4.80
LOC_Os02g58120.1	oxidoreductase/ transition metal ion binding protein, putative, expressed	Chr2	35567720	35570416 -	8	1409	5.29
LOC_Os05g43440.1	single-stranded DNA-binding protein, putative, expressed	Chr5	25254810	25259747 -	8	1540	5.90
LOC_Os03g41350.2	BTBN7 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 N	Chr3	22990165	22996334 -	4	3561	7.01
LOC_Os07g26750.1	expressed protein	Chr7	15451950	15452504 -	1	587	4.54
LOC_Os11g02460.1	outer membrane protein, OMP85 family, putative, expressed	Chr11	737421	742792 -	9	2733	4.58
LOC_Os11g35060.1	agenet domain containing protein, expressed	Chr11	20540287	20544620 +	6	2580	6.23
LOC_Os04g33450.1	expressed protein	Chr4	20221253	20223074 -	3	1144	-7.40
LOC_Os03g57170.3	cell cycle control protein, putative, expressed	Chr3	32599191	32602584 +	9	2299	6.90
LOC_Os05g45900.1	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr5	26596142	26601273 -	10	2697	4.20
LOC_Os06g19095.1	expressed protein	Chr6	10865395	10867828 -	2	1300	-6.16
LOC_Os08g36150.2	activator of 90 kDa heat shock protein ATPase homolog, putative, expressed	Chr8	22777103	22781160 -	2	4028	6.56
LOC_Os06g40750.1	expressed protein	Chr6	24293278	24295704 +	3	987	5.03
LOC_Os12g34100.1	expressed protein	Chr12	20641716	20644530 -	1	2847	4.79
LOC_Os03g57170.1	cell cycle control protein, putative, expressed	Chr3	32599191	32602584 +	8	2399	6.95
LOC_Os06g43270.1	protein kinase domain containing protein, expressed	Chr6	26003181	26007060 +	5	2673	7.13
LOC_Os06g23800.2	flavin-containing monooxygenase family protein, putative, expressed	Chr6	13905082	13909018 -	7	1434	5.08
LOC_Os08g06460.1	dnaJ domain containing protein, expressed	Chr8	3622704	3624999 -	3	1788	7.37
LOC_Os05g43380.1	tesmin/TSO1-like CXC domain containing protein, expressed	Chr5	25224822	25227403 -	6	1668	4.59
LOC_Os01g39100.1	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed	Chr1	21973687	21980482 +	12	2739	8.76
LOC_Os11g02460.2	outer membrane protein, OMP85 family, putative, expressed	Chr11	737419	742792 -	9	2787	4.58
LOC_Os04g58970.1	uncharacterized ACR, YggU family COG1872 containing protein, expressed	Chr4	35084308	35086276 -	3	704	5.13
LOC_Os03g21270.3	expressed protein	Chr3	12151051	12157603 -	5	2562	5.84
LOC_Os05g45710.1	serine acetyltransferase protein, putative, expressed	Chr5	26480056	26481404 -	1	1381	7.53
LOC_Os05g43380.2	tesmin/TSO1-like CXC domain containing protein, expressed	Chr5	25224822	25227403 -	5	1767	4.59
LOC_Os02g50070.1	expressed protein	Chr2	30583327	30584031 +	2	505	4.75
LOC_Os03g43910.1	expressed protein	Chr3	24638171	24641470 -	3	838	5.71
LOC_Os03g27003.1	expressed protein	Chr3	15453264	15457612 +	3	2532	5.25
LOC_Os08g06460.2	dnaJ domain containing protein, expressed	Chr8	3622716	3624996 -	3	1792	7.38
LOC_Os02g19440.3	sirohochlorin ferrochelatase, putative, expressed	Chr2	11353283	11357740 -	6	1617	4.99

LOC_Os07g01150.2	fatty acid hydroxylase, putative, expressed	Chr7	88336	90761 +	7	1643	7.23
LOC_Os12g01240.1	mitochondrial substrate carrier family protein, putative, expressed	Chr12	136205	141120 -	7	2801	6.38
LOC_Os04g43670.1	expressed protein	Chr4	25835625	25837777 +	2	1027	8.56
LOC_Os07g44040.1	ras-related protein, putative, expressed	Chr7	26321207	26324254 +	4	1658	5.98
LOC_Os02g13640.1	protein phosphatase 1 regulatory subunit SDS22, putative, expressed	Chr2	7316388	7319489 +	6	1837	5.13
LOC_Os02g43370.2	transposon protein, putative, unclassified, expressed	Chr2	26170387	26174970 -	8	2639	7.20
LOC_Os03g18220.2	pyruvate decarboxylase isozyme 2, putative, expressed	Chr3	10217802	10220748 -	5	2445	7.58
LOC_Os03g55270.1	TIP41, putative, expressed	Chr3	31454981	31458898 -	8	2334	5.43
LOC_Os06g16400.3	helix-loop-helix DNA-binding domain containing protein, expressed	Chr6	9365581	9368004 +	4	2301	6.92
LOC_Os11g13990.1	AAA-type ATPase family protein, putative, expressed	Chr11	7753325	7762397 -	9	3892	6.55
LOC_Os12g44160.3	oxidoreductase, putative, expressed	Chr12	27394751	27398395 +	12	1555	6.42
LOC_Os03g08770.2	modifier of rudimentary protein, expressed	Chr3	4532886	4536625 +	8	1479	4.38
LOC_Os03g08770.1	modifier of rudimentary protein, expressed	Chr3	4532886	4536625 +	8	1482	4.38
LOC_Os03g61030.1	transcription termination factor nusG family protein, expressed	Chr3	34671286	34674494 +	6	1591	5.19
LOC_Os03g57130.1	expressed protein	Chr3	32570053	32576114 -	9	1686	5.51
LOC_Os01g68104.1	ZOS1-21 - C2H2 zinc finger protein, expressed	Chr1	39588269	39591239 +	9	1557	5.22
LOC_Os12g44160.2	oxidoreductase, putative, expressed	Chr12	27394751	27398395 +	12	1566	6.42
LOC_Os08g02380.1	kinesin motor domain containing protein, putative, expressed	Chr8	948033	952596 +	17	2537	6.92
LOC_Os01g61150.1	phox domain-containing protein, putative, expressed	Chr1	35396166	35400248 -	5	2286	4.79
LOC_Os02g09380.1	expressed protein	Chr2	4820464	4822685 +	5	1323	4.91
LOC_Os08g38010.2	expressed protein	Chr8	24079677	24082211 +	5	933	4.65
LOC_Os08g38010.1	expressed protein	Chr8	24079677	24082211 +	5	939	4.65
LOC_Os05g16920.1	SHR5-receptor-like kinase, putative, expressed	Chr5	9643930	9644716 +	3	522	-10.24
LOC_Os09g25410.2	expressed protein	Chr9	15233373	15236004 +	3	2477	5.65
LOC_Os09g36830.1	Skp1 family, dimerisation domain containing protein, expressed	Chr9	21243189	21245828 -	2	937	4.91
LOC_Os09g27990.1	annexin, putative, expressed	Chr9	16999259	17001374 -	5	1853	6.47
LOC_Os01g46840.1	expressed protein	Chr1	26717834	26722446 +	2	2949	6.15
LOC_Os05g48200.1	glutamate synthase, chloroplast precursor, putative, expressed	Chr5	27622654	27636451 +	22	7630	6.76
LOC_Os08g12780.4	chloroplast envelope membrane protein, putative, expressed	Chr8	7568532	7573950 -	9	2506	4.99
LOC_Os03g58610.1	expressed protein	Chr3	33384953	33387239 -	2	2124	5.45
LOC_Os06g48960.1	ALG2-like family domain containing protein, expressed	Chr6	29665219	29667372 -	5	1154	5.97
LOC_Os06g34650.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr6	20143793	20144666 +	1	906	4.83
LOC_Os03g11990.3	boIA, putative, expressed	Chr3	6282856	6284385 +	2	811	4.59
LOC_Os12g16290.1	isoflavone reductase, putative, expressed	Chr12	9315228	9318123 -	1	2928	-8.85
LOC_Os05g44800.3	expressed protein	Chr5	26049874	26052703 +	5	849	4.96
LOC_Os05g30210.1	expressed protein	Chr5	17506661	17510762 +	6	2616	6.60
LOC_Os03g11990.1	boIA, putative, expressed	Chr3	6282854	6284385 +	2	819	4.59
LOC_Os08g37780.2	NOL1/NOP2/sun family protein, putative, expressed	Chr8	23926908	23934321 -	15	3256	6.07
LOC_Os08g02380.2	kinesin motor domain containing protein, putative, expressed	Chr8	948033	952596 +	17	2488	6.92
LOC_Os03g18220.1	pyruvate decarboxylase isozyme 2, putative, expressed	Chr3	10217796	10220748 -	6	2374	7.58
LOC_Os05g03200.1	expressed protein	Chr5	1295616	1298612 -	7	1600	5.08
LOC_Os11g01594.1	expressed protein	Chr11	345960	347658 -	3	968	6.16
LOC_Os01g62860.1	oxidoreductase, aldo/keto reductase family protein, putative, expressed	Chr1	36403442	36407380 +	7	1604	5.37
LOC_Os12g37850.1	expressed protein	Chr12	23256397	23258478 -	5	589	4.34
LOC_Os05g38580.1	50S ribosomal protein L17, putative, expressed	Chr5	22630314	22632494 -	7	976	4.70

LOC_Os04g42134.1	enhancer of rudimentary protein, putative, expressed	Chr4	24943121	24945222 -	3	1556	5.74
LOC_Os03g28310.1	dnaJ domain containing protein, expressed	Chr3	16293645	16297124 -	2	3132	5.42
LOC_Os03g17760.1	RNA recognition motif containing protein, putative, expressed	Chr3	9878025	9880930 -	6	1788	5.61
LOC_Os10g25310.1	SPX domain containing protein, putative, expressed	Chr10	13088805	13091555 +	3	1688	5.71
LOC_Os08g37780.1	NOL1/NOP2/sun family protein, putative, expressed	Chr8	23926908	23934321 -	15	3261	6.07
LOC_Os12g30510.3	DNA-directed RNA polymerase III subunit RPC9, putative, expressed	Chr12	18312051	18313102 -	3	628	4.36
LOC_Os09g33920.2	expressed protein	Chr9	20019441	20023423 +	8	1819	6.23
LOC_Os01g17070.1	OsDegp1 - Putative Deg protease homologue, expressed	Chr1	9816783	9822750 +	11	2225	7.24
LOC_Os03g11140.2	pleckstrin homology domain-containing protein-related taxo, putative, expressed	Chr3	5735001	5746233 +	27	4265	6.48
LOC_Os07g48880.3	importin subunit alpha-1b, putative, expressed	Chr7	29247384	29251970 -	11	3256	5.04
LOC_Os05g49910.1	expressed protein	Chr5	28628860	28632192 -	8	1758	5.38
LOC_Os12g02120.1	dual specificity protein phosphatase, putative, expressed	Chr12	639746	643600 -	4	1881	5.46
LOC_Os03g57330.1	IQ calmodulin-binding motif domain containing protein, expressed	Chr3	32700604	32704499 -	7	2287	6.90
LOC_Os01g17070.2	OsDegp1 - Putative Deg protease homologue, expressed	Chr1	9816783	9822736 +	10	2484	7.57
LOC_Os04g43922.1	exosome complex exonuclease rrp4, putative, expressed	Chr4	26036773	26041443 -	7	1710	6.37
LOC_Os11g34770.1	maf, putative, expressed	Chr11	20372742	20376132 -	9	1314	6.80
LOC_Os07g48880.4	importin subunit alpha-1b, putative, expressed	Chr7	29247384	29251970 -	11	3238	5.04
LOC_Os01g58550.2	methyladenine glycosylase, putative, expressed	Chr1	33837388	33838996 +	4	1448	5.90
LOC_Os04g47130.1	expressed protein	Chr4	27990856	27992387 -	2	959	4.41
LOC_Os05g39080.1	protein kinase family protein, putative, expressed	Chr5	22910888	22915683 -	8	2765	6.03
LOC_Os07g48880.1	importin subunit alpha-1b, putative, expressed	Chr7	29247384	29251970 -	11	3222	5.04
LOC_Os11g17600.3	roothairless 1, putative, expressed	Chr11	9794908	9810038 +	26	3880	7.06
LOC_Os03g44760.3	SW11, putative, expressed	Chr3	25235419	25240157 +	9	3547	6.15
LOC_Os05g49910.3	expressed protein	Chr5	28628860	28632174 -	7	1790	5.38
LOC_Os05g32120.1	alpha 1,3-xylosyltransferase, putative, expressed	Chr5	18728868	18731335 +	4	1187	4.82
LOC_Os03g21730.1	receptor-like protein kinase precursor, putative, expressed	Chr3	12411275	12415224 +	3	3757	5.04
LOC_Os03g11140.1	pleckstrin homology domain-containing protein-related taxo, putative, expressed	Chr3	5735003	5746233 +	27	4291	6.48
LOC_Os06g46540.1	cell division cycle protein 23, putative, expressed	Chr6	28256523	28260340 +	6	2092	5.35
LOC_Os01g13660.1	expressed protein	Chr1	7652869	7656854 -	2	1153	4.85
LOC_Os07g01150.1	fatty acid hydroxylase, putative, expressed	Chr7	88336	90761 +	6	1699	7.26
LOC_Os03g11140.3	pleckstrin homology domain-containing protein-related taxo, putative, expressed	Chr3	5735003	5746233 +	27	4299	6.48
LOC_Os05g28950.1	CAAX amino terminal protease family protein, putative, expressed	Chr5	16972939	16975972 +	8	1676	4.93
LOC_Os08g19540.1	retrotransposon protein, putative, unclassified, expressed	Chr8	11682363	11686428 -	3	3993	4.75
LOC_Os04g39540.1	expressed protein	Chr4	23543942	23546897 -	3	1517	6.09
LOC_Os01g37870.4	PPR repeat domain containing protein, putative, expressed	Chr1	21195398	21202961 +	11	2990	4.93
LOC_Os07g46430.1	expressed protein	Chr7	27701580	27705190 -	7	1674	5.71
LOC_Os12g26030.1	FACT complex subunit SPT16, putative, expressed	Chr12	15121175	15124607 +	1	3465	6.54
LOC_Os04g53612.1	APO, putative, expressed	Chr4	31959526	31961876 -	3	1934	4.86
LOC_Os06g49510.1	zinc knuckle family protein, putative, expressed	Chr6	29989930	29994451 -	6	2455	5.69
LOC_Os04g52100.1	peptidase, M24 family protein, putative, expressed	Chr4	30945118	30948691 -	10	1756	5.53
LOC_Os09g30170.3	F-box protein interaction domain containing protein, expressed	Chr9	18360671	18364013 +	4	2373	6.03
LOC_Os11g17600.1	roothairless 1, putative, expressed	Chr11	9794908	9807645 +	25	4007	7.05
LOC_Os11g29490.1	plasma membrane ATPase, putative, expressed	Chr11	17108744	17114115 +	13	3671	4.82
LOC_Os11g29490.2	plasma membrane ATPase, putative, expressed	Chr11	17108744	17114115 +	12	3708	4.82
LOC_Os05g28950.3	CAAX amino terminal protease family protein, putative, expressed	Chr5	16972939	16975972 +	8	1753	4.93

LOC_Os04g57739.2	expressed protein	Chr4	34393144	34396566 +	3	1703	6.58
LOC_Os03g53140.2	protein transport protein Sec23B, putative, expressed	Chr3	30476518	30480167 +	2	2869	5.68
LOC_Os03g38580.1	pentatricopeptide, putative, expressed	Chr3	21409003	21411259 -	1	2289	7.40
LOC_Os08g32440.1	transposon protein, putative, unclassified, expressed	Chr8	20087415	20090865 +	6	2305	4.87
LOC_Os04g49440.3	RNA recognition motif containing protein, putative, expressed	Chr4	29499367	29501790 +	6	1197	5.84
LOC_Os04g56320.1	AAA-type ATPase family protein, putative, expressed	Chr4	33575152	33579655 -	11	2042	6.47
LOC_Os01g65210.1	proton-dependent oligopeptide transport, putative, expressed	Chr1	37837137	37843664 +	8	2467	5.10
LOC_Os04g33450.3	expressed protein	Chr4	20221230	20223074 -	3	1323	-7.40
LOC_Os09g30170.2	F-box protein interaction domain containing protein, expressed	Chr9	18360671	18364013 +	3	2843	6.15
LOC_Os08g14570.1	NADPH reductase, putative, expressed	Chr8	8760073	8765208 +	17	3197	-8.09
LOC_Os01g37870.1	PPR repeat domain containing protein, putative, expressed	Chr1	21195432	21202961 +	12	2898	4.93
LOC_Os05g49910.2	expressed protein	Chr5	28628860	28632172 -	5	1908	5.38
LOC_Os03g11140.4	pleckstrin homology domain-containing protein-related taxo, putative, expressed	Chr3	5735003	5746233 +	26	4370	6.48
LOC_Os05g34780.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr5	20636382	20643355 +	5	2221	6.42
LOC_Os04g36810.1	LSM domain containing protein, expressed	Chr4	22223723	22227217 +	5	1171	6.32
LOC_Os09g03210.1	expressed protein	Chr9	1546433	1549533 +	3	1376	6.32
LOC_Os03g02590.4	peroxisomal biogenesis factor 11, putative, expressed	Chr3	956806	960245 -	7	3020	6.29
LOC_Os03g11480.1	expressed protein	Chr3	5941787	5944063 +	2	1580	6.98
LOC_Os01g10504.2	OsMADS3 - MADS-box family gene with MIKCC type-box, expressed	Chr1	5559548	5568844 -	10	1754	5.32
LOC_Os01g70730.1	flowering promoting factor-like 1, putative, expressed	Chr1	40942204	40943109 -	1	938	6.19
LOC_Os01g53450.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr1	30714010	30717688 +	11	2053	4.37
LOC_Os01g05130.1	expressed protein	Chr1	2403270	2405982 +	5	1187	4.20
LOC_Os03g27350.1	cysteine protease ATG4, putative, expressed	Chr3	15661856	15665667 +	8	2359	4.64
LOC_Os09g13740.1	SET domain containing protein, expressed	Chr9	8039176	8046950 -	12	2112	5.48
LOC_Os03g17690.2	OsAPx1 - Cytosolic Ascorbate Peroxidase encoding gene 1-8, expressed	Chr3	9843327	9846747 +	8	1510	5.72
LOC_Os03g44840.2	choline transporter-related, putative, expressed	Chr3	25298624	25301880 -	2	1601	5.61
LOC_Os03g51270.1	OsFBX108 - F-box domain containing protein, expressed	Chr3	29328821	29336560 -	7	3409	6.02
LOC_Os03g19270.3	universal stress protein domain containing protein, putative, expressed	Chr3	10839450	10840785 -	4	1137	7.32
LOC_Os03g19270.2	universal stress protein domain containing protein, putative, expressed	Chr3	10839450	10840785 -	4	1146	7.32
LOC_Os12g31410.1	expressed protein	Chr12	18893310	18895347 -	2	760	4.92
LOC_Os05g04510.1	S-adenosylmethionine synthetase, putative, expressed	Chr5	2089032	2092342 +	2	2050	-5.53
LOC_Os12g44160.1	oxidoreductase, putative, expressed	Chr12	27394407	27398395 +	13	1824	6.42
LOC_Os03g45750.1	DUF260 domain containing protein, putative, expressed	Chr3	25843447	25846110 +	2	1327	6.08
LOC_Os03g19270.1	universal stress protein domain containing protein, putative, expressed	Chr3	10839437	10840785 +	4	1186	7.32
LOC_Os05g49430.1	aldose 1-epimerase, putative, expressed	Chr5	28342175	28345123 +	8	2031	7.17
LOC_Os11g16320.1	expressed protein	Chr11	9000482	9004994 +	8	1596	5.13
LOC_Os03g49380.1	lipoxygenase, putative, expressed	Chr3	28106903	28113300 +	9	3467	-7.72
LOC_Os02g39650.1	expressed protein	Chr2	23943695	23946512 -	7	1108	5.02
LOC_Os06g48650.3	OsSub52 - Putative Subtilisin homologue, expressed	Chr6	29434401	29441099 +	10	3128	4.72
LOC_Os05g44800.1	expressed protein	Chr5	26049874	26050504 +	1	663	4.48
LOC_Os03g49140.1	ABC1 protein At2g40090 precursor, putative, expressed	Chr3	27989293	27991227 -	3	1018	4.64
LOC_Os01g59860.1	expressed protein	Chr1	34620233	34623931 +	6	2114	5.42
LOC_Os06g48650.2	OsSub52 - Putative Subtilisin homologue, expressed	Chr6	29435100	29441099 +	10	3440	5.01
LOC_Os02g26440.1	prefoldin subunit, putative, expressed	Chr2	15524119	15528164 +	5	1242	4.75
LOC_Os04g55970.1	AP2-like ethylene-responsive transcription factor AINTEGUMENTA, putative, expressed	Chr4	33341978	33346562 +	8	2440	7.28

LOC_Os03g19270.4	universal stress protein domain containing protein, putative, expressed	Chr3	10839453	10840785 -	3	1248	7.32
LOC_Os07g30240.1	mutS family domain IV containing protein, expressed	Chr7	17870625	17880163 +	19	2585	6.07
LOC_Os03g27350.2	cysteine protease ATG4, putative, expressed	Chr3	15661851	15665670 +	9	2306	4.64
LOC_Os04g55970.2	AP2-like ethylene-responsive transcription factor AINTEGUMENTA, putative, expressed	Chr4	33341978	33346562 +	8	2433	7.28
LOC_Os01g07780.1	embryo-specific 3, putative, expressed	Chr1	3735829	3736828 +	1	1032	5.02
LOC_Os02g17700.1	pyridine nucleotide-disulphide oxidoreductase domain containing protein, expressed	Chr2	10207339	10212956 +	13	2351	5.25
LOC_Os08g37270.1	heat shock protein DnaJ, putative, expressed	Chr8	23557556	23559107 +	1	1584	4.25
LOC_Os06g03570.1	pentatricopeptide, putative, expressed	Chr6	1377416	1379454 +	2	1877	5.38
LOC_Os01g56510.2	periplasmic beta-glucosidase precursor, putative, expressed	Chr1	32580710	32586143 -	12	3059	5.46
LOC_Os06g03570.2	pentatricopeptide, putative, expressed	Chr6	1377416	1379454 +	2	1884	5.38
LOC_Os03g29184.1	expressed protein	Chr3	16586519	16587292 -	1	806	5.08
LOC_Os07g27480.1	ELMO/CED-12 family protein, putative, expressed	Chr7	16013083	16022630 -	13	2708	4.16
LOC_Os01g46570.1	CTP synthase, putative, expressed	Chr1	26514543	26521761 +	21	3121	5.82
LOC_Os01g64670.3	soluble inorganic pyrophosphatase, putative, expressed	Chr1	37521803	37524040 -	7	1865	5.26
LOC_Os05g38880.1	expressed protein	Chr5	22807363	22807937 -	1	607	6.27
LOC_Os01g04720.1	leucine-rich repeat protein-related, putative, expressed	Chr1	2130798	2137310 +	9	3437	5.99
LOC_Os01g68240.1	expressed protein	Chr1	39657943	39660633 +	3	546	4.31
LOC_Os04g20590.1	YL1 nuclear protein C-terminal domain containing protein, expressed	Chr4	11510705	11515835 -	3	1024	4.21
LOC_Os12g38720.1	expressed protein	Chr12	23782739	23783531 -	1	825	-4.70
LOC_Os01g34610.2	expressed protein	Chr1	19079248	19082074 +	4	1419	4.53
LOC_Os09g38772.1	MOSC domain-containing protein, mitochondrial precursor, putative, expressed	Chr9	22278292	22281049 +	8	1544	4.92
LOC_Os01g56510.5	periplasmic beta-glucosidase precursor, putative, expressed	Chr1	32580710	32586143 -	11	2936	5.45
LOC_Os06g06720.1	flavonol synthase/flavanone 3-hydroxylase, putative, expressed	Chr6	3145466	3147618 +	3	1388	4.81
LOC_Os01g56510.3	periplasmic beta-glucosidase precursor, putative, expressed	Chr1	32580710	32586143 -	11	2926	5.45
LOC_Os03g30519.2	expressed protein	Chr3	17409991	17412954 -	3	1718	5.06
LOC_Os01g55310.1	haloacid dehalogenase-like hydrolase domain-containing protein 1A, putative, expressed	Chr1	31836495	31839636 -	9	1293	6.29
LOC_Os01g56510.4	periplasmic beta-glucosidase precursor, putative, expressed	Chr1	32580710	32586143 -	11	2890	5.45
LOC_Os04g35540.1	amino acid permease family protein, putative, expressed	Chr4	21637782	21642647 +	6	2259	5.32
LOC_Os03g27350.3	cysteine protease ATG4, putative, expressed	Chr3	15661851	15665670 +	10	2256	4.64
LOC_Os02g12730.2	beta-galactosidase precursor, putative, expressed	Chr2	6656719	6660624 -	16	2831	4.72
LOC_Os08g32180.1	retrotransposon protein, putative, unclassified, expressed	Chr8	19958778	19960391 +	1	1646	-5.06
LOC_Os07g15600.1	H-BTB6 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence,	Chr7	9035960	9039225 -	2	2214	8.08
LOC_Os12g43130.1	phytoene synthase, chloroplast precursor, putative, expressed	Chr12	26780487	26783598 -	6	1710	5.32
LOC_Os06g07190.1	RNA polymerase Rpb7, N-terminal domain containing protein, expressed	Chr6	3440104	3443076 +	5	1893	5.46
LOC_Os10g30190.1	BTBP2 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with pentapeptide repeats, expressed	Chr10	15689665	15693104 -	11	1974	5.58
LOC_Os03g26450.1	F-actin-capping protein subunit beta, putative, expressed	Chr3	15115090	15118345 +	8	1509	4.94
LOC_Os05g43440.2	single-stranded DNA-binding protein, putative, expressed	Chr5	25257151	25259747 -	7	1315	5.80
LOC_Os02g26614.1	retrotransposon protein, putative, unclassified, expressed	Chr2	15621008	15629984 +	12	3381	4.49
LOC_Os02g46510.1	adaptor complexes medium subunit family domain containing protein, expressed	Chr2	28355531	28360589 +	13	2444	5.51
LOC_Os09g33740.1	Zinc finger, ZZ type domain containing protein, expressed	Chr9	19922090	19931713 +	12	2115	4.95
LOC_Os04g33330.1	expressed protein	Chr4	20187930	20189402 -	3	853	5.37
LOC_Os05g23840.1	expressed protein	Chr5	13702736	13706423 +	2	2538	4.49
LOC_Os05g46570.1	WD domain, G-beta repeat domain containing protein, expressed	Chr5	26962970	26965906 +	9	1651	5.23
LOC_Os10g36250.1	tetratricopeptide repeat, putative, expressed	Chr10	19374119	19379513 -	15	3205	5.13
LOC_Os10g35730.1	pentatricopeptide repeat domain containing protein, putative, expressed	Chr10	19104084	19105750 +	2	1623	4.93

LOC_Os01g51040.1	transmembrane protein 16K, putative, expressed	Chr1	29318192	29322569 -	16	2951	7.13
LOC_Os11g31110.1	expressed protein	Chr11	18106956	18113191 -	8	2401	5.69
LOC_Os10g12620.1	protein kinase domain containing protein, expressed	Chr10	7022929	7031173 -	9	3708	6.45
LOC_Os12g34510.1	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed	Chr12	20888185	20889121 -	2	903	4.30
LOC_Os07g08210.3	cytidyltransferase domain containing protein, expressed	Chr7	4185205	4188025 -	7	1672	5.06
LOC_Os01g37210.2	expressed protein	Chr1	20783355	20786656 -	3	1873	5.14
LOC_Os11g11256.1	expressed protein	Chr11	6228270	6230973 +	2	1852	6.25
LOC_Os12g26040.1	expressed protein	Chr12	15126681	15128000 +	2	706	4.65
LOC_Os08g13699.1	expressed protein	Chr8	8159951	8162760 -	2	650	5.05
LOC_Os04g40330.2	OsFBX141 - F-box domain containing protein, expressed	Chr4	23976077	23979533 -	5	2218	5.37
LOC_Os04g41830.1	myb-like DNA-binding domain containing protein, expressed	Chr4	24775664	24779580 -	7	1441	6.64
LOC_Os02g22084.2	expressed protein	Chr2	13137869	13141343 +	4	2036	5.68
LOC_Os03g63090.1	actin-related protein 2/3 complex subunit 4, putative, expressed	Chr3	35669657	35672795 +	8	1580	4.38
LOC_Os05g49050.1	CobW/P47K family protein, putative, expressed	Chr5	28125211	28128402 +	7	1769	5.64
LOC_Os07g19540.1	expressed protein	Chr7	11582843	11584816 +	5	911	4.38
LOC_Os02g22374.4	expressed protein	Chr2	13361077	13361777 -	2	549	4.31
LOC_Os05g48230.1	expressed protein	Chr5	27643114	27647843 +	15	2398	5.89
LOC_Os08g38910.3	caffeoyl-CoA O-methyltransferase, putative, expressed	Chr8	24592945	24594866 -	3	1819	5.52
LOC_Os03g11490.1	expressed protein	Chr3	5946380	5955641 +	10	4001	5.56
LOC_Os09g33920.1	expressed protein	Chr9	20019441	20023423 +	8	1883	6.28
LOC_Os05g05810.1	DEAD-box ATP-dependent RNA helicase, putative, expressed	Chr5	2906228	2913780 -	16	3664	7.40
LOC_Os09g24460.1	expressed protein	Chr9	14555403	14558306 +	4	2530	5.26
LOC_Os03g21620.1	AGC_AGC_other_RS6K_like.1 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr3	12340180	12344341 -	7	2544	4.52
LOC_Os02g10740.1	calcium-binding mitochondrial carrier CBG00135, putative, expressed	Chr2	5663004	5668429 -	5	3086	6.79
LOC_Os08g05910.2	peptide transporter PTR2, putative, expressed	Chr8	3182334	3190438 -	3	1981	-5.88
LOC_Os01g42980.2	ribosomal protein L22, putative, expressed	Chr1	24480855	24483757 +	6	1632	6.05
LOC_Os01g50849.2	expressed protein	Chr1	29206326	29209607 -	4	2432	5.75
LOC_Os01g50849.3	expressed protein	Chr1	29206306	29209607 -	5	2399	5.75
LOC_Os01g50849.1	expressed protein	Chr1	29206312	29209607 -	5	2390	5.75
LOC_Os06g48650.1	OsSub52 - Putative Subtilisin homologue, expressed	Chr6	29434356	29441106 +	11	3438	5.01
LOC_Os06g08890.1	glutamate receptor 3.4 precursor, putative, expressed	Chr6	4472342	4476668 -	5	2888	5.53
LOC_Os01g12900.1	ras-related protein, putative, expressed	Chr1	7164594	7167419 -	8	1416	4.84
LOC_Os04g25140.1	OsFBDUF20 - F-box and DUF domain containing protein, expressed	Chr4	14526403	14528167 +	3	1670	4.62
LOC_Os02g38320.1	BTBZ3 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with TAZ zinc finger and Calmodulin-	Chr2	23172608	23174693 +	4	1214	4.21
LOC_Os11g02300.2	CPuORF36 - conserved peptide uORF-containing transcript, expressed	Chr11	654974	661236 -	2	5362	-7.97
LOC_Os01g11260.1	phospho-N-acetylmuramoyl-pentapeptide-transferase, putative, expressed	Chr1	6025074	6029649 +	8	2040	6.66
LOC_Os09g14510.2	peroxin-3 family protein, putative, expressed	Chr9	8586239	8589949 +	6	1754	6.39
LOC_Os08g12780.5	chloroplast envelope membrane protein, putative, expressed	Chr8	7571731	7574295 -	5	1208	4.14
LOC_Os07g23210.1	transposon protein, putative, unclassified, expressed	Chr7	13081471	13084596 +	3	3037	5.85
LOC_Os02g48840.1	dual specificity protein phosphatase, putative, expressed	Chr2	29882066	29885249 +	5	1384	4.41
LOC_Os01g42980.1	ribosomal protein L22, putative, expressed	Chr1	24480855	24483757 +	7	1559	6.05
LOC_Os01g64370.1	expressed protein	Chr1	37360254	37363436 -	2	1265	4.03
LOC_Os11g39209.1	expressed protein	Chr11	23346654	23348579 +	1	1958	4.51
LOC_Os01g56510.1	periplasmic beta-glucosidase precursor, putative, expressed	Chr1	32580710	32586143 -	13	2867	5.14
LOC_Os03g11020.1	PPR repeat containing protein, expressed	Chr3	5669923	5672004 +	2	2053	5.49

LOC_Os11g02630.1	expressed protein	Chr11	837783	839909 -	1	2159	5.43
LOC_Os07g34750.1	expressed protein	Chr7	20818884	20822105 -	1	3254	6.91
LOC_Os02g02670.1	NBS-LRR disease resistance protein, putative, expressed	Chr2	988442	995506 +	8	5440	4.71
LOC_Os06g04680.2	expressed protein	Chr6	2039302	2041427 -	2	1681	5.05
LOC_Os02g43560.1	WRKY34, expressed	Chr2	26280253	26283914 -	3	3590	6.50
LOC_Os02g13950.1	NHL repeat-containing protein, putative, expressed	Chr2	7594952	7599871 +	7	2314	5.05
LOC_Os01g58080.2	membrane-associated salt-inducible protein, putative, expressed	Chr1	33593744	33597039 +	2	1572	6.31
LOC_Os05g05810.2	DEAD-box ATP-dependent RNA helicase, putative, expressed	Chr5	2906228	2913774 -	14	3616	7.39
LOC_Os09g32640.1	dehydrogenase, putative, expressed	Chr9	19468798	19471622 +	4	1446	4.78
LOC_Os03g13250.1	peptide transporter PTR2, putative, expressed	Chr3	7147278	7151340 -	5	2301	5.30
LOC_Os03g17710.1	splicing factor, arginine/serine-rich, putative, expressed	Chr3	9852712	9856043 -	7	1680	4.57
LOC_Os03g05800.1	expressed protein	Chr3	2897476	2900285 -	5	1142	4.56
LOC_Os08g16130.1	fiber protein Fb34, putative, expressed	Chr8	9830986	9834051 -	3	1161	4.84
LOC_Os10g37670.1	actin-depolymerizing factor, putative, expressed	Chr10	20160992	20162434 -	3	857	5.74
LOC_Os07g15270.1	RNA-binding region RNP-1, putative, expressed	Chr7	8807273	8811507 +	3	3130	7.22
LOC_Os01g12900.3	ras-related protein, putative, expressed	Chr1	7164594	7167419 -	7	1536	4.86
LOC_Os03g57560.1	piwi domain containing protein, expressed	Chr3	32813980	32822980 +	26	4860	4.94
LOC_Os05g51450.1	OsClp8 - Putative Clp protease homologue, expressed	Chr5	29495797	29499479 -	9	1965	6.34
LOC_Os12g02730.1	histidine triad family protein, putative, expressed	Chr12	964545	966927 +	4	907	5.68
LOC_Os05g48870.7	auxin response factor 15, putative, expressed	Chr5	28038009	28039900 +	3	1819	5.43
LOC_Os03g17710.2	splicing factor, arginine/serine-rich, putative, expressed	Chr3	9852711	9856043 -	7	1666	4.57
LOC_Os06g13640.2	expressed protein	Chr6	7555194	7558430 -	8	1506	5.35
LOC_Os02g05520.1	expressed protein	Chr2	2668556	2671036 +	8	1250	4.74
LOC_Os03g02690.2	dihydrodipicolinate reductase, putative, expressed	Chr3	1004299	1007269 +	11	1796	5.04
LOC_Os03g47960.1	expressed protein	Chr3	27265560	27268578 -	3	1654	6.53
LOC_Os03g44760.4	SWI1, putative, expressed	Chr3	25234034	25240157 +	10	3187	6.15
LOC_Os04g53460.4	AT hook motif family protein, expressed	Chr4	31831107	31836454 -	5	2566	4.93
LOC_Os04g53460.1	AT hook motif family protein, expressed	Chr4	31831107	31836481 -	7	2391	4.93
LOC_Os03g44760.5	SWI1, putative, expressed	Chr3	25234076	25240157 +	10	3154	6.15
LOC_Os04g53460.3	AT hook motif family protein, expressed	Chr4	31831107	31836454 -	7	2355	4.93
LOC_Os05g48870.8	auxin response factor 15, putative, expressed	Chr5	28038009	28039890 +	2	1863	5.46
LOC_Os01g43060.1	expressed protein	Chr1	24569001	24571535 -	5	1219	5.96
LOC_Os03g40310.1	RNA recognition motif containing protein, putative, expressed	Chr3	22413557	22418672 -	3	1133	5.67
LOC_Os03g02690.3	dihydrodipicolinate reductase, putative, expressed	Chr3	1004299	1007269 +	11	1815	5.04
LOC_Os03g17164.1	kinesin-related protein, putative, expressed	Chr3	9546132	9550718 +	18	3024	6.06
LOC_Os02g24020.1	dihydrodipicolinate reductase, putative, expressed	Chr2	13917235	13923065 -	8	1691	5.42
LOC_Os10g34614.4	csAtPR5, putative, expressed	Chr10	18451019	18452610 +	3	1046	5.53
LOC_Os06g08910.2	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4489429	4493878 -	6	2606	5.95
LOC_Os12g03750.1	Leucine Rich Repeat family protein, expressed	Chr12	1521080	1526548 +	8	2866	5.83
LOC_Os05g48870.5	auxin response factor 15, putative, expressed	Chr5	28038009	28039900 +	4	1779	5.43
LOC_Os03g47990.1	OB-fold nucleic acid binding domain containing protein, putative, expressed	Chr3	27283074	27286338 +	4	1184	4.37
LOC_Os11g37060.1	OsFBDUF52 - F-box and DUF domain containing protein, expressed	Chr11	21881616	21882979 +	1	1396	4.95
LOC_Os05g34800.1	expressed protein	Chr5	20648285	20650530 -	1	2278	5.26
LOC_Os03g49710.1	ribosomal protein S13p/S18e, putative, expressed	Chr3	28301288	28303246 +	3	978	7.18
LOC_Os01g26290.1	expressed protein	Chr1	14901174	14903208 +	4	590	4.39

LOC_Os04g49900.1	ABC transporter family protein, putative, expressed	Chr4	29754938	29762118 +	11	4600	-5.29
LOC_Os07g08210.2	cytidyltransferase domain containing protein, expressed	Chr7	4185205	4188035 -	6	1785	5.06
LOC_Os01g42510.1	expressed protein	Chr1	24168245	24171441 -	5	921	5.28
LOC_Os05g30130.1	chaperone protein dnaJ 49, putative, expressed	Chr5	17441559	17445927 -	3	2000	5.65
LOC_Os08g30820.1	cleavage and polyadenylation specificity factor subunit 5, putative, expressed	Chr8	19031135	19033307 -	6	1762	5.37
LOC_Os11g02464.1	vacuolar-sorting receptor precursor, putative, expressed	Chr11	742793	747743 -	12	2999	5.41
LOC_Os01g74030.1	pumilio-family RNA binding protein, putative, expressed	Chr1	42876539	42882964 -	9	3928	7.66
LOC_Os08g37130.1	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed	Chr8	23463933	23468392 +	5	1608	5.26
LOC_Os01g12540.1	GTPase of unknown function domain containing protein, putative, expressed	Chr1	6897571	6904232 +	9	2636	6.62
LOC_Os08g40430.1	mTERF domain containing protein, expressed	Chr8	25588052	25590594 -	3	2333	5.60
LOC_Os03g11990.2	bolA, putative, expressed	Chr3	6282854	6284348 +	3	693	4.21
LOC_Os02g13990.2	U2 small nuclear ribonucleoprotein A, putative, expressed	Chr2	7632580	7635244 -	4	1066	4.72
LOC_Os03g53140.1	protein transport protein Sec23B, putative, expressed	Chr3	30476539	30482133 +	3	3347	5.79
LOC_Os07g29390.2	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr7	17254909	17260585 -	8	2075	5.49
LOC_Os03g44760.1	SWI1, putative, expressed	Chr3	25234036	25240219 +	11	3366	6.19
LOC_Os09g35740.1	expressed protein	Chr9	20557996	20559164 +	2	1112	6.41
LOC_Os12g18130.3	expressed protein	Chr12	10454432	10455596 -	2	725	4.31
LOC_Os04g39780.1	AMP-binding enzyme family protein, expressed	Chr4	23698662	23707348 -	7	7676	6.41
LOC_Os11g44940.1	seed maturation protein PM27, putative, expressed	Chr11	27200303	27202904 -	3	1099	5.05
LOC_Os09g24670.1	CAAX amino terminal protease family protein, putative, expressed	Chr9	14680807	14684519 +	10	1648	6.87
LOC_Os02g31080.1	hydroxyproline-rich glycoprotein family protein, putative, expressed	Chr2	18575033	18581693 -	11	2992	5.62
LOC_Os07g40224.1	expressed protein	Chr7	24118352	24120813 +	4	1874	6.33
LOC_Os05g30430.1	expressed protein	Chr5	17637784	17641319 -	4	1686	5.85
LOC_Os02g49770.1	NHL repeat-containing protein, putative, expressed	Chr2	30427720	30431741 +	7	2182	5.03
LOC_Os01g35160.2	TKL_IRAK_DUF26-lh.4 - DUF26 kinases have homology to DUF26 containing loci, expressed	Chr1	19454154	19458314 -	7	3758	4.90
LOC_Os03g55430.1	expressed protein	Chr3	31537854	31538849 +	2	985	4.58
LOC_Os04g47906.2	gamma-tubulin complex component 6, putative, expressed	Chr4	28484045	28488670 -	8	1493	5.09
LOC_Os04g53460.2	AT hook motif family protein, expressed	Chr4	31831107	31836454 -	7	2396	4.94
LOC_Os11g02760.1	histidine triad family protein, putative, expressed	Chr11	905662	907831 +	4	921	4.42
LOC_Os02g38490.1	expressed protein	Chr2	23272523	23273346 +	3	682	4.25
LOC_Os04g40330.3	OsFBX141 - F-box domain containing protein, expressed	Chr4	23976077	23979533 -	5	2316	5.41
LOC_Os01g35160.1	TKL_IRAK_DUF26-lh.4 - DUF26 kinases have homology to DUF26 containing loci, expressed	Chr1	19454154	19458314 -	7	3803	4.90
LOC_Os01g39810.3	Alg9-like mannosyltransferase protein, putative, expressed	Chr1	22450498	22456233 +	8	4342	4.49
LOC_Os04g40330.1	OsFBX141 - F-box domain containing protein, expressed	Chr4	23976077	23979533 -	5	2319	5.41
LOC_Os01g63420.1	OsFBL4 - F-box domain and LRR containing protein, expressed	Chr1	36746807	36750976 +	4	2366	6.20
LOC_Os09g14540.1	protein phosphatase 2C, putative, expressed	Chr9	8603462	8609274 -	11	1663	6.20
LOC_Os10g10300.1	retrotransposon protein, putative, unclassified, expressed	Chr10	5657199	5662154 -	6	4254	5.06
LOC_Os09g14510.1	peroxin-3 family protein, putative, expressed	Chr9	8585970	8589949 +	7	1918	6.39
LOC_Os12g42060.1	OsWAK128b - OsWAK receptor-like protein kinase, expressed	Chr12	26087069	26090656 +	3	1751	6.42
LOC_Os10g25000.1	expressed protein	Chr10	12867952	12869919 -	7	1216	4.59
LOC_Os07g08320.1	RNA recognition motif containing protein, expressed	Chr7	4253896	4259355 -	9	2241	5.83
LOC_Os03g56900.1	reticulon domain containing protein, putative, expressed	Chr3	32401938	32404752 -	6	1336	5.27
LOC_Os01g54424.1	expressed protein	Chr1	31313396	31317560 -	4	1649	5.26
LOC_Os08g43550.1	MYB family transcription factor, putative, expressed	Chr8	27547971	27549173 -	2	1191	-5.44
LOC_Os04g57739.1	expressed protein	Chr4	34393144	34396573 +	4	1323	6.55

LOC_Os10g21020.1	expressed protein	Chr10	10653202	10654972 -	3	949	5.06
LOC_Os03g44760.2	SWI1, putative, expressed	Chr3	25234036	25240219 +	10	3271	6.18
LOC_Os09g37720.1	RNA recognition motif containing protein, expressed	Chr9	21742603	21743594 -	1	1024	6.53
LOC_Os11g37560.2	expressed protein	Chr11	22175492	22178883 -	4	2198	6.55
LOC_Os05g02420.1	expressed protein	Chr5	801087	803464 +	1	2410	-4.88
LOC_Os02g34990.1	ACT domain containing protein, putative, expressed	Chr2	20989673	20994251 +	9	2724	4.56
LOC_Os04g57900.1	PPR repeat containing protein, expressed	Chr4	34498539	34500540 -	1	2034	5.47
LOC_Os07g25060.1	thionin-like peptide, putative, expressed	Chr7	14303367	14303874 +	2	325	-8.88
LOC_Os05g46920.1	expressed protein	Chr5	27150614	27153839 +	4	2226	5.31
LOC_Os04g43750.1	kinase, pfkB family, putative, expressed	Chr4	25898097	25902359 -	13	1947	4.88
LOC_Os11g37560.1	expressed protein	Chr11	22175492	22178883 -	4	2204	6.55
LOC_Os01g39810.4	Alg9-like mannosyltransferase protein, putative, expressed	Chr1	22450498	22455557 +	7	3048	4.37
LOC_Os04g43750.2	kinase, pfkB family, putative, expressed	Chr4	25898097	25902365 -	13	1941	4.88
LOC_Os01g63250.1	josephin, putative, expressed	Chr1	36656340	36660768 -	2	1581	5.13
LOC_Os09g28300.2	remorin C-terminal domain containing protein, putative, expressed	Chr9	17183709	17188378 +	8	2826	6.24
LOC_Os02g19440.1	sirohydrochlorin ferrochelataase, putative, expressed	Chr2	11353281	11357740 -	7	1632	5.00
LOC_Os09g28300.1	remorin C-terminal domain containing protein, putative, expressed	Chr9	17182867	17188378 +	8	3164	6.24
LOC_Os01g39810.2	Alg9-like mannosyltransferase protein, putative, expressed	Chr1	22450498	22455557 +	9	2894	4.37
LOC_Os01g72020.2	BTBA3 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Ankyrin repeat region, expressed	Chr1	41741486	41744666 -	2	2019	5.64
LOC_Os01g12830.2	erythronate-4-phosphate dehydrogenase domain containing protein, expressed	Chr1	7100982	7103266 -	2	1475	4.75
LOC_Os06g31220.1	mitogen-activated protein kinase 17, putative, expressed	Chr6	18158734	18165296 -	11	3964	5.83
LOC_Os03g56900.2	reticulon domain containing protein, putative, expressed	Chr3	32401938	32404752 -	5	1421	5.32
LOC_Os04g28300.1	Rf1, mitochondrial precursor, putative, expressed	Chr4	16753556	16757223 +	3	2631	6.56
LOC_Os05g30430.2	expressed protein	Chr5	17637782	17641309 +	3	1737	5.85
LOC_Os09g32660.1	expressed protein	Chr9	19478653	19482093 -	5	2063	5.83
LOC_Os04g42480.1	receptor-like protein kinase At3g46290 precursor, putative, expressed	Chr4	25140210	25145158 +	5	3457	-3.77
LOC_Os06g05700.1	cysteine synthase, putative, expressed	Chr6	2579088	2581726 +	7	1578	4.80
LOC_Os02g38490.2	expressed protein	Chr2	23272523	23273306 +	3	647	4.18
LOC_Os05g48870.6	auxin response factor 15, putative, expressed	Chr5	28038009	28039890 +	4	1736	5.41
LOC_Os04g54240.1	wound induced protein, putative, expressed	Chr4	32301622	32302456 -	1	867	8.08
LOC_Os04g49150.1	OsMADS17 - MADS-box family gene with MIKc type-box, expressed	Chr4	29308245	29314112 +	8	1381	7.72
LOC_Os01g63420.2	OsFBL4 - F-box domain and LRR containing protein, expressed	Chr1	36747271	36750976 +	3	2559	6.20
LOC_Os09g21340.1	nucleobase-ascorbate transporter, putative, expressed	Chr9	12884071	12888677 +	14	3282	6.60
LOC_Os08g05910.1	peptide transporter PTR2, putative, expressed	Chr8	3182309	3190451 +	3	2452	-5.88
LOC_Os01g06000.1	PPR repeat containing protein, expressed	Chr1	2862560	2867272 -	4	3354	6.40
LOC_Os05g44160.1	expressed protein	Chr5	25663014	25665565 +	2	633	4.66
LOC_Os12g25720.1	expressed protein	Chr12	14912243	14916625 -	4	1810	6.22
LOC_Os09g14510.3	peroxin-3 family protein, putative, expressed	Chr9	8585970	8589949 +	6	1989	6.39
LOC_Os06g41780.1	guanine nucleotide exchange family protein, putative, expressed	Chr6	25050893	25054512 +	6	2885	5.41
LOC_Os02g37920.1	expressed protein	Chr2	22917816	22924489 -	12	3877	5.43
LOC_Os08g40930.1	Alpha amylase, catalytic domain containing protein, expressed	Chr8	25892391	25900576 -	18	4348	4.39
LOC_Os01g58080.3	membrane-associated salt-inducible protein, putative, expressed	Chr1	33593797	33597053 +	2	1586	6.36
LOC_Os01g63420.3	OsFBL4 - F-box domain and LRR containing protein, expressed	Chr1	36747271	36750976 +	2	2607	6.20
LOC_Os03g02690.1	dihydrodipicolinate reductase, putative, expressed	Chr3	1004394	1007269 +	10	1790	5.07
LOC_Os11g08370.1	transporter, major facilitator family, putative, expressed	Chr11	4413240	4415870 +	2	2160	5.08

LOC_Os03g12236.1	heat shock protein DnaJ, putative, expressed	Chr3	6421734	6426920 +	10	3110	4.44
LOC_Os03g12236.2	heat shock protein DnaJ, putative, expressed	Chr3	6421840	6426920 +	11	3128	4.44
LOC_Os01g48440.1	glycosyltransferase family 43 protein, putative, expressed	Chr1	27757763	27761733 -	4	2450	-6.16
LOC_Os02g42550.1	expressed protein	Chr2	25579455	25582099 -	6	1484	5.93
LOC_Os01g68730.2	RNA-binding protein FUS, putative, expressed	Chr1	39922193	39923794 -	2	1547	-7.50
LOC_Os10g11340.1	nitroreductase family protein, putative, expressed	Chr10	6287535	6291740 +	3	3017	5.36
LOC_Os01g68730.1	RNA-binding protein FUS, putative, expressed	Chr1	39922192	39923794 -	2	1552	-7.50
LOC_Os04g58630.2	DNA mismatch repair protein MSH3, putative, expressed	Chr4	34869997	34877172 -	13	4398	6.25
LOC_Os03g02590.3	peroxisomal biogenesis factor 11, putative, expressed	Chr3	956806	960249 -	8	2751	6.20
LOC_Os12g32230.2	molybdenum cofactor biosynthesis protein 1, putative, expressed	Chr12	19452169	19456650 +	8	2051	6.05
LOC_Os05g48870.9	auxin response factor 15, putative, expressed	Chr5	28038009	28039890 +	4	1740	5.40
LOC_Os04g33330.2	expressed protein	Chr4	20186829	20189403 -	2	2052	5.80
LOC_Os05g35740.3	subtilisin N-terminal Region family protein, expressed	Chr5	21216024	21216932 -	2	740	5.09
LOC_Os04g33760.1	DUF584 domain containing protein, putative, expressed	Chr4	20443290	20444654 +	1	1397	5.25
LOC_Os05g07764.1	carboxyl-terminal proteinase, putative, expressed	Chr5	4179894	4185777 -	7	2185	5.05
LOC_Os07g01300.1	expressed protein	Chr7	182511	183243 -	2	687	5.40
LOC_Os06g03690.2	RNA recognition motif containing protein, putative, expressed	Chr6	1455383	1458725 +	6	1623	6.08
LOC_Os12g32230.1	molybdenum cofactor biosynthesis protein 1, putative, expressed	Chr12	19452169	19456650 +	8	2046	6.05
LOC_Os03g19920.1	expressed protein	Chr3	11199350	11205122 -	10	2652	5.95
LOC_Os06g36220.1	OsFBX198 - F-box domain containing protein, expressed	Chr6	21213899	21218155 -	5	1919	6.83
LOC_Os04g49990.1	AT hook motif domain containing protein, expressed	Chr4	29814033	29818138 -	6	1835	6.70
LOC_Os02g57670.1	ribosomal L9, putative, expressed	Chr2	35320313	35322987 -	7	1311	5.92
LOC_Os07g06970.1	HEN1, putative, expressed	Chr7	3429443	3434747 -	10	3540	6.24
LOC_Os02g41630.2	phenylalanine ammonia-lyase, putative, expressed	Chr2	24973386	24977336 -	2	2678	-4.98
LOC_Os01g12900.2	ras-related protein, putative, expressed	Chr1	7165312	7167419 -	5	1129	5.52
LOC_Os04g49620.1	DUF581 domain containing protein, expressed	Chr4	29588213	29590515 -	2	1181	6.01
LOC_Os01g59490.1	FAD dependent oxidoreductase domain containing protein, expressed	Chr1	34406376	34409218 +	5	1763	5.49
LOC_Os01g58080.1	membrane-associated salt-inducible protein, putative, expressed	Chr1	33593744	33597339 +	3	1816	6.45
LOC_Os11g37090.1	pumilio-family RNA binding repeat domain containing protein, expressed	Chr11	21892581	21897269 -	6	3377	6.02
LOC_Os05g06510.2	4Fe-4S binding domain containing protein, expressed	Chr5	3348811	3352850 -	12	2134	6.63
LOC_Os03g53140.3	protein transport protein Sec23B, putative, expressed	Chr3	30476541	30482124 +	4	3591	6.71
LOC_Os06g07190.2	RNA polymerase Rpb7, N-terminal domain containing protein, expressed	Chr6	3440104	3443076 +	6	1420	5.44
LOC_Os02g38490.3	expressed protein	Chr2	23272547	23273306 +	2	717	4.18
LOC_Os04g40340.1	expressed protein	Chr4	23984033	23987369 -	8	989	4.52
LOC_Os05g06510.1	4Fe-4S binding domain containing protein, expressed	Chr5	3348811	3352850 -	12	2140	6.63
LOC_Os02g42210.1	membrane-associated salt-inducible protein like, putative, expressed	Chr2	25392975	25394765 +	1	1823	4.96
LOC_Os10g03730.1	OsFBX347 - F-box domain containing protein, expressed	Chr10	1681080	1684278 -	4	1948	5.20
LOC_Os01g22010.3	S-adenosylmethionine synthetase, putative, expressed	Chr1	12363709	12366314 -	2	1952	-5.87
LOC_Os07g36150.1	formin-like protein 3 precursor, putative, expressed	Chr7	21594798	21600723 -	6	4083	4.53
LOC_Os07g40460.1	prefoldin, putative, expressed	Chr7	24243946	24247474 +	5	1409	4.56
LOC_Os01g53720.1	expressed protein	Chr1	30879000	30886338 +	11	3845	-4.01
LOC_Os01g22010.1	S-adenosylmethionine synthetase, putative, expressed	Chr1	12363709	12366314 -	2	1959	-5.87
LOC_Os02g50680.3	AAA-type ATPase family protein, putative, expressed	Chr2	30960020	30965278 -	11	2454	6.80
LOC_Os03g40930.1	expressed protein	Chr3	22744328	22746916 -	3	2141	5.84
LOC_Os03g59330.1	polygalacturonase, putative, expressed	Chr3	33777510	33781305 +	7	2514	5.38

LOC_Os01g61250.1	methyltransferase, putative, expressed	Chr1	35436701	35441737 +	8	2778	5.77
LOC_Os08g08860.1	CRS2-associated factor 2, mitochondrial precursor, putative, expressed	Chr8	5146984	5150352 -	5	2231	6.86
LOC_Os03g02590.2	peroxisomal biogenesis factor 11, putative, expressed	Chr3	956806	960245 -	8	2823	6.20
LOC_Os05g11730.1	CGMC_GSK.7 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed	Chr5	6657481	6661493 -	12	2247	6.09
LOC_Os02g50680.2	AAA-type ATPase family protein, putative, expressed	Chr2	30960020	30965278 -	11	2466	6.80
LOC_Os12g04590.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr12	1939516	1941122 -	2	1558	5.99
LOC_Os05g02530.1	glutathione S-transferase, N-terminal domain containing protein, expressed	Chr5	876950	880628 -	6	1577	5.07
LOC_Os04g33470.1	Ser/Thr protein phosphatase family protein, putative, expressed	Chr4	20245221	20249961 -	4	1488	4.67
LOC_Os03g46730.1	expressed protein	Chr3	26442702	26444359 +	2	825	5.78
LOC_Os01g22010.4	S-adenosylmethionine synthetase, putative, expressed	Chr1	12363709	12366314 -	2	1996	-5.87
LOC_Os01g61430.1	HIT zinc finger domain containing protein, expressed	Chr1	35518547	35523582 -	9	1382	4.55
LOC_Os02g25780.1	expressed protein	Chr2	15106302	15107393 +	1	1124	4.45
LOC_Os07g44740.1	chaperonin, putative, expressed	Chr7	26705892	26707887 +	3	724	4.76
LOC_Os01g48850.1	auxin-responsive protein, putative, expressed	Chr1	28028738	28032031 -	4	2121	5.10
LOC_Os01g64670.1	soluble inorganic pyrophosphatase, putative, expressed	Chr1	37521803	37524040 -	8	1795	5.14
LOC_Os11g44940.2	seed maturation protein PM27, putative, expressed	Chr11	27200306	27202286 -	2	1272	5.05
LOC_Os02g05600.1	expressed protein	Chr2	2722136	2725218 +	4	1842	7.50
LOC_Os12g33240.3	mitochondrial ribosomal protein S10, putative, expressed	Chr12	20105721	20108020 +	2	1096	6.06
LOC_Os09g38070.1	expressed protein	Chr9	21936981	21938550 -	1	1602	4.18
LOC_Os02g12480.1	expressed protein	Chr2	6508832	6513827 -	2	4110	-4.31
LOC_Os02g15270.1	tyrosine-protein phosphatase YVH1, putative, expressed	Chr2	8536374	8538681 +	3	1313	4.54
LOC_Os07g12810.1	expressed protein	Chr7	7324261	7329317 -	11	2225	4.07
LOC_Os04g41140.1	PPR repeat containing protein, expressed	Chr4	24399162	24402461 -	2	2794	5.34
LOC_Os01g63970.1	sialyltransferase family domain containing protein, expressed	Chr1	37133557	37135392 +	1	1868	5.05
LOC_Os12g33240.2	mitochondrial ribosomal protein S10, putative, expressed	Chr12	20105721	20108020 +	2	1081	6.06
LOC_Os01g48440.2	glycosyltransferase family 43 protein, putative, expressed	Chr1	27757763	27761733 -	5	2629	-6.11
LOC_Os02g36960.1	choline transporter-related, putative, expressed	Chr2	22327294	22331805 -	6	2299	5.01
LOC_Os05g07764.2	carboxyl-terminal proteinase, putative, expressed	Chr5	4179894	4185986 -	8	2313	5.05
LOC_Os01g25440.1	thiamin pyrophosphokinase 1, putative, expressed	Chr1	14391999	14398598 -	7	1900	3.93
LOC_Os08g38910.1	caffeoyl-CoA O-methyltransferase, putative, expressed	Chr8	24592945	24597553 -	5	1697	5.49
LOC_Os07g02780.1	STE_MEKK_ste11_MAP3K.20 - STE kinases include homologs to sterile 7, sterile 11 and sterile 20	Chr7	1015338	1021609 -	11	3337	4.41
LOC_Os12g35040.1	2,3-bisphosphoglycerate-independent phosphoglycerate mutase, putative, expressed	Chr12	21324772	21327652 -	5	1932	4.79
LOC_Os04g31971.1	expressed protein	Chr4	19148767	19152021 +	6	2028	4.90
LOC_Os01g51754.1	alpha-amylase precursor, putative, expressed	Chr1	29760719	29770037 +	11	4760	7.26
LOC_Os05g15160.1	phosphate/phosphate translocator, putative, expressed	Chr5	8600456	8609826 +	12	2063	5.75
LOC_Os11g27799.1	expressed protein	Chr11	16004377	16007344 +	1	3000	4.41
LOC_Os11g39254.1	expressed protein	Chr11	23375142	23376295 +	2	847	4.17
LOC_Os01g70920.4	cullin-1, putative, expressed	Chr1	41052348	41053949 +	3	634	4.99
LOC_Os02g43370.1	transposon protein, putative, unclassified, expressed	Chr2	26170387	26174970 -	8	3463	7.27
LOC_Os07g40460.3	prefoldin, putative, expressed	Chr7	24244101	24247474 +	5	1280	4.56
LOC_Os06g21380.1	OsCttP3 - Putative C-terminal processing peptidase homologue, expressed	Chr6	12345920	12350139 +	12	2373	5.50
LOC_Os04g38900.2	prohibitin, putative, expressed	Chr4	23116692	23117963 -	1	1304	4.17
LOC_Os09g26730.1	chaperonin, putative, expressed	Chr9	16236438	16240793 -	5	1416	7.04
LOC_Os01g48700.1	transcription factor Dp, putative, expressed	Chr1	27924901	27928433 -	8	1441	5.37
LOC_Os05g13300.1	helicase, putative, expressed	Chr5	7367166	7374483 -	11	3695	6.43

LOC_Os05g26020.1	cyclin, putative, expressed	Chr5	15124584	15125829 +	1	1278	5.65
LOC_Os09g27980.1	emp24/gp25L/p24 family protein, putative, expressed	Chr9	16996540	16999938 +	4	1371	5.93
LOC_Os02g45120.3	expressed protein	Chr2	27369109	27371822 +	3	1165	4.74
LOC_Os01g01350.1	SNF7 domain containing protein, putative, expressed	Chr1	170712	173191 -	7	1375	6.12
LOC_Os04g48230.1	dehydration response related protein, putative, expressed	Chr4	28722495	28727647 -	8	3474	4.52
LOC_Os05g22930.1	CAAX amino terminal protease family protein, putative, expressed	Chr5	13057100	13060306 -	8	1474	5.34
LOC_Os05g33290.1	uncharacterized conserved membrane protein specific to cyanobacteria, putative, expressed	Chr5	19509973	19514162 -	9	1522	5.89
LOC_Os09g35670.1	expressed protein	Chr9	20519235	20522576 +	9	1370	5.62
LOC_Os04g52670.1	OsSAUR21 - Auxin-responsive SAUR gene family member, expressed	Chr4	31349656	31350722 -	1	1099	5.51
LOC_Os04g58990.1	CAMK_CAMK_like_ULKh_APGy.3 - CAMK includes calcium/calmodulin depedent protein kinases,	Chr4	35089348	35091263 -	8	1365	6.15
LOC_Os02g35700.3	nucleoside diphosphate kinase, putative, expressed	Chr2	21453117	21454141 +	2	650	4.89
LOC_Os02g12480.4	expressed protein	Chr2	6508832	6513830 -	4	1787	-3.27
LOC_Os06g41390.4	N-terminal asparagine amidohydrolase, putative, expressed	Chr6	24814004	24817722 -	8	2293	5.37
LOC_Os05g44800.4	expressed protein	Chr5	26049874	26051858 +	6	846	5.17
LOC_Os03g58170.1	stem-specific protein TSJT1, putative, expressed	Chr3	33110745	33118318 +	5	1764	4.68
LOC_Os08g36170.1	cytokinesis negative regulator RCP1, putative, expressed	Chr8	22808465	22814436 +	2	1704	5.42
LOC_Os10g04074.1	retrotransposon protein, putative, unclassified, expressed	Chr10	1879935	1887750 +	1	7848	3.40
LOC_Os01g03720.1	MYB family transcription factor, putative, expressed	Chr1	1549229	1551011 -	3	1685	6.26
LOC_Os08g34210.1	aldehyde dehydrogenase, putative, expressed	Chr8	21445787	21450833 +	9	2311	7.18
LOC_Os09g10274.1	expressed protein	Chr9	5598644	5599857 +	3	814	-6.64
LOC_Os01g01350.2	SNF7 domain containing protein, putative, expressed	Chr1	170712	173434 -	5	1734	6.12
LOC_Os07g39510.2	yippee zinc-binding protein, putative, expressed	Chr7	23673057	23675107 +	2	993	5.58
LOC_Os05g37450.1	starch binding domain containing protein, putative, expressed	Chr5	21914659	21917380 -	5	2039	4.94
LOC_Os02g53830.1	MTD1, putative, expressed	Chr2	32965719	32968767 +	2	1327	6.10
LOC_Os01g55360.4	phosphatidate cytidyltransferase, putative, expressed	Chr1	31873313	31877607 -	8	1547	3.96
LOC_Os01g74410.1	MYB family transcription factor, putative, expressed	Chr1	43096401	43097974 +	2	1427	-6.67
LOC_Os01g45750.1	bile acid sodium symporter family protein, putative, expressed	Chr1	25973522	25980440 +	13	2388	6.48
LOC_Os04g40420.1	SWIRM domain containing protein, expressed	Chr4	24021401	24026205 +	7	2661	5.99
LOC_Os01g37260.1	OsFBX14 - F-box domain containing protein, expressed	Chr1	20805805	20810166 +	5	1979	6.23
LOC_Os01g37260.2	OsFBX14 - F-box domain containing protein, expressed	Chr1	20805790	20810162 +	5	1981	6.23
LOC_Os03g43390.4	F-box/LRR domain containing protein, putative, expressed	Chr3	24189817	24197398 +	12	2553	4.36
LOC_Os08g38910.2	caffeoyl-CoA O-methyltransferase, putative, expressed	Chr8	24592945	24594866 -	4	1619	5.49
LOC_Os04g48140.1	methyltransferase, putative, expressed	Chr4	28645797	28649459 -	7	1985	4.84
LOC_Os08g06100.1	O-methyltransferase, putative, expressed	Chr8	3337751	3340959 -	2	1582	-4.90
LOC_Os03g60920.1	Methyltransferase small domain containing protein, expressed	Chr3	34614571	34616975 +	2	1495	4.60
LOC_Os01g66030.2	OsMADS2 - MADS-box family gene with MIKCC type-box, expressed	Chr1	38320785	38324074 -	7	2006	5.09
LOC_Os02g26800.1	expressed protein	Chr2	15729105	15732537 +	13	2927	6.74
LOC_Os04g58490.1	expressed protein	Chr4	34790785	34791388 -	3	321	3.83
LOC_Os01g51754.2	alpha-amylase precursor, putative, expressed	Chr1	29760719	29770037 +	11	4622	7.25
LOC_Os02g49840.1	OsMADS57 - MADS-box family gene with MIKCC type-box, expressed	Chr2	30456666	30462759 +	8	1640	7.10
LOC_Os01g66030.1	OsMADS2 - MADS-box family gene with MIKCC type-box, expressed	Chr1	38320785	38324074 -	7	2019	5.09
LOC_Os04g49990.2	AT hook motif domain containing protein, expressed	Chr4	29814033	29818148 -	5	2025	6.70
LOC_Os03g20860.1	expressed protein	Chr3	11808351	11813203 -	8	1430	5.79
LOC_Os08g26700.1	expressed protein	Chr8	16238583	16240262 -	2	1305	4.38
LOC_Os02g49840.4	OsMADS57 - MADS-box family gene with MIKCC type-box, expressed	Chr2	30456666	30462759 +	8	1634	7.10

LOC_Os11g05130.1	PHD-finger family protein, expressed	Chr11	2247706	2256169 -	10	6872	4.57
LOC_Os08g19374.1	expressed protein	Chr8	11587793	11590913 +	3	2328	5.41
LOC_Os02g09790.1	disease resistance protein RPM1, putative, expressed	Chr2	5048656	5052503 -	1	3880	6.12
LOC_Os07g06080.1	FAD dependent oxidoreductase domain containing protein, expressed	Chr7	2945227	2947295 +	2	2040	5.09
LOC_Os04g44590.5	expressed protein	Chr4	26387566	26391274 +	3	825	4.24
LOC_Os12g22090.1	expressed protein	Chr12	12425383	12432769 +	7	3416	3.74
LOC_Os07g31270.1	cupin 2, conserved barrel domain protein, putative, expressed	Chr7	18509977	18515210 +	12	1929	5.37
LOC_Os07g18720.1	tetratricopeptide repeat containing protein, putative, expressed	Chr7	11064790	11076993 +	18	2420	5.21
LOC_Os04g54820.2	programmed cell death 2 C-terminal domain-containing protein, putative, expressed	Chr4	32600309	32603388 +	6	2225	5.37
LOC_Os12g40450.1	biotin--protein ligase, putative, expressed	Chr12	25029774	25032330 -	4	1789	5.26
LOC_Os01g61670.2	ureidoglycolate hydrolase, putative, expressed	Chr1	35682313	35685757 +	3	1590	4.31
LOC_Os12g16410.1	isoflavone reductase, putative, expressed	Chr12	9397034	9400411 -	4	1383	6.38
LOC_Os02g45120.2	expressed protein	Chr2	27369109	27371822 +	4	1088	4.73
LOC_Os09g26820.1	exo70 exocyst complex subunit, putative, expressed	Chr9	16294642	16297229 +	1	2620	4.37
LOC_Os12g33100.1	guanylate kinase, putative, expressed	Chr12	20028748	20032871 -	11	2298	-5.95
LOC_Os02g39950.1	EF hand family protein, putative, expressed	Chr2	24158477	24163085 +	9	1957	6.23
LOC_Os05g04510.2	S-adenosylmethionine synthetase, putative, expressed	Chr5	2089056	2092066 +	2	1746	-5.54
LOC_Os06g22660.1	EMB1303, putative, expressed	Chr6	13177537	13181742 +	5	1040	4.41
LOC_Os06g22660.2	EMB1303, putative, expressed	Chr6	13177537	13181742 +	5	1016	4.41
LOC_Os01g64670.2	soluble inorganic pyrophosphatase, putative, expressed	Chr1	37521959	37524040 -	9	1348	5.01
LOC_Os03g64140.1	expressed protein	Chr3	36243053	36245080 -	7	1476	-4.12
LOC_Os03g54063.2	expressed protein	Chr3	30994449	30996882 -	3	1295	7.00
LOC_Os02g51160.1	hydrolase, acting on carbon-nitrogen, putative, expressed	Chr2	31303466	31306550 +	6	1411	4.53
LOC_Os02g38160.1	glycosyl transferase family 17 protein, putative, expressed	Chr2	23083106	23086442 -	2	2153	4.68
LOC_Os07g16960.1	glycosyl transferase, group 1 domain containing protein, expressed	Chr7	9976519	9980344 -	9	2370	5.73
LOC_Os09g32250.1	DNA repair ATPase-related, putative, expressed	Chr9	19244915	19250324 +	15	2384	5.78
LOC_Os06g49920.1	expressed protein	Chr6	30221418	30223862 +	4	2076	5.91
LOC_Os02g35170.2	uncharacterized oxidoreductase yoxD, putative, expressed	Chr2	21122299	21125134 +	4	2241	6.55
LOC_Os01g34860.1	expressed protein	Chr1	19245153	19248201 -	3	2492	6.19
LOC_Os08g44015.1	growth regulator related protein, putative, expressed	Chr8	27708166	27712650 +	10	2584	6.14
LOC_Os02g49840.2	OsMADS57 - MADS-box family gene with MIKCC type-box, expressed	Chr2	30456666	30462733 +	7	1543	6.96
LOC_Os01g39810.1	Alg9-like mannosyltransferase protein, putative, expressed	Chr1	22450498	22456233 +	10	3429	4.36
LOC_Os02g56020.2	methyltransferase, putative, expressed	Chr2	34296967	34299423 +	7	1311	7.21
LOC_Os01g19490.1	pentatricopeptide, putative, expressed	Chr1	11064694	11068774 -	2	2442	5.28
LOC_Os04g57150.2	tafazzin, putative, expressed	Chr4	34054300	34058149 -	5	1396	5.35
LOC_Os01g31680.1	uncharacterized protein sl0194, putative, expressed	Chr1	17341202	17346405 -	4	1559	7.12
LOC_Os04g23820.1	methionyl-tRNA synthetase, putative, expressed	Chr4	13607957	13610433 +	3	1355	4.47
LOC_Os02g56480.1	PB1 domain containing protein, expressed	Chr2	34573952	34576173 -	1	2254	5.77
LOC_Os12g12300.1	EDM2, putative, expressed	Chr12	6760060	6763033 -	7	1749	5.32
LOC_Os12g16480.1	expressed protein	Chr12	9435934	9438197 -	4	848	5.79
LOC_Os12g04590.2	zinc finger, C3HC4 type domain containing protein, expressed	Chr12	1938983	1941122 -	3	1687	6.01
LOC_Os12g42860.1	2-aminoethanethiol dioxygenase, putative, expressed	Chr12	26629915	26632625 -	5	1763	6.00
LOC_Os01g19140.1	O-sialoglycoprotein endopeptidase, putative, expressed	Chr1	10813997	10818530 -	10	1625	5.11
LOC_Os02g50680.1	AAA-type ATPase family protein, putative, expressed	Chr2	30958609	30965278 -	13	2829	7.46
LOC_Os04g21660.1	AAA-type ATPase family protein, putative, expressed	Chr4	12252480	12258695 -	10	1850	5.92

LOC_Os04g57150.1	tafazzin, putative, expressed	Chr4	34054300	34058149 -	5	1406	5.35
LOC_Os03g54063.3	expressed protein	Chr3	30994449	30996825 -	3	1341	7.00
LOC_Os09g29520.1	OsWAK81 - OsWAK receptor-like cytoplasmic kinase OsWAK-RLCK, expressed	Chr9	17961169	17962785 -	1	1649	4.92
LOC_Os02g47800.1	monodehydroascorbate reductase, putative, expressed	Chr2	29229964	29234195 -	7	2047	5.83
LOC_Os08g12780.3	chloroplast envelope membrane protein, putative, expressed	Chr8	7568534	7574295 -	9	2776	5.64
LOC_Os03g17690.1	OsAPx1 - Cytosolic Ascorbate Peroxidase encoding gene 1-8, expressed	Chr3	9843327	9846747 +	9	1447	5.72
LOC_Os04g54200.2	diacylglycerol kinase, putative, expressed	Chr4	32286661	32291459 +	9	1816	6.90
LOC_Os08g12780.2	chloroplast envelope membrane protein, putative, expressed	Chr8	7568534	7574295 -	9	2781	5.64
LOC_Os06g46930.1	ribosomal protein L24, putative, expressed	Chr6	28472587	28474784 -	4	1029	5.67
LOC_Os07g45210.1	expressed protein	Chr7	26984201	26988333 +	8	1677	5.19
LOC_Os06g12220.1	HVA22, putative, expressed	Chr6	6559753	6563394 -	6	1360	5.14
LOC_Os05g45350.1	dnaJ domain containing protein, expressed	Chr5	26311382	26314173 -	9	1663	5.47
LOC_Os04g23890.2	AGC_PVPK_like_kin82y.10 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr4	13641585	13654501 -	23	3984	4.45
LOC_Os01g14790.1	expressed protein	Chr1	8269588	8272646 +	3	1063	4.39
LOC_Os05g45350.3	dnaJ domain containing protein, expressed	Chr5	26311383	26314173 -	9	1652	5.47
LOC_Os05g19974.1	endonuclease/exonuclease/phosphatase family protein, putative, expressed	Chr5	11671479	11681136 +	7	1736	5.70
LOC_Os09g39390.1	oxidoreductase, aldo/keto reductase family protein, putative, expressed	Chr9	22649087	22652085 +	9	1776	5.82
LOC_Os01g31680.2	uncharacterized protein sll0194, putative, expressed	Chr1	17341202	17346405 -	4	1529	7.12
LOC_Os04g50740.1	ara54-like RING finger protein, putative, expressed	Chr4	30016919	30021073 +	7	2263	4.98
LOC_Os07g06090.1	expressed protein	Chr7	2946126	2949178 -	4	2013	5.13
LOC_Os08g01070.1	retrotransposon protein, putative, unclassified, expressed	Chr8	54040	58330 +	6	3646	4.75
LOC_Os01g42510.2	expressed protein	Chr1	24168245	24171441 -	5	830	5.14
LOC_Os03g07960.1	expressed protein	Chr3	4069589	4072442 -	7	1270	4.39
LOC_Os04g47530.1	transmembrane protein, putative, expressed	Chr4	28192112	28196154 -	7	2125	5.80
LOC_Os02g37060.1	photosystem II 5 kDa protein, chloroplast precursor, putative, expressed	Chr2	22390365	22391131 +	1	799	4.05
LOC_Os02g57470.1	tetratricopeptide repeat containing protein, putative, expressed	Chr2	35218310	35221098 -	2	2263	5.00
LOC_Os03g49730.1	zinc finger protein, putative, expressed	Chr3	28308340	28312269 -	14	2309	6.45
LOC_Os05g09630.2	homeobox domain containing protein, expressed	Chr5	5441429	5445212 +	8	2605	5.87
LOC_Os03g49730.2	zinc finger protein, putative, expressed	Chr3	28308340	28312269 -	14	2306	6.45
LOC_Os06g47210.1	oligopeptidase, putative, expressed	Chr6	28620993	28628006 +	17	3271	6.03
LOC_Os03g08680.1	pentatricopeptide, putative, expressed	Chr3	4472456	4476109 -	6	2076	6.02
LOC_Os07g45210.2	expressed protein	Chr7	26984185	26988352 +	6	2514	5.32
LOC_Os01g07920.1	prolyl 4-hydroxylase, putative, expressed	Chr1	3827039	3830326 -	7	1413	4.14
LOC_Os03g08700.1	expressed protein	Chr3	4482882	4489522 +	10	4292	4.87
LOC_Os04g04010.1	expressed protein	Chr4	1848746	1851594 -	3	1943	5.51
LOC_Os12g05330.1	protein of unknown function containing protein, expressed	Chr12	2395803	2397716 -	2	1588	4.52
LOC_Os06g28740.1	expressed protein	Chr6	16363079	16366463 -	7	1463	5.05
LOC_Os12g42300.1	potassium efflux antiporter protein, putative, expressed	Chr12	26299853	26306151 -	18	3899	4.90
LOC_Os12g42860.2	2-aminoethanethiol dioxygenase, putative, expressed	Chr12	26629915	26632625 -	4	1828	6.02
LOC_Os04g43040.1	expressed protein	Chr4	25468585	25471556 -	6	1466	4.90
LOC_Os01g68390.1	Uncharacterized ACR, COG1565 containing protein, putative, expressed	Chr1	39737106	39741764 -	13	2105	4.85
LOC_Os04g57160.1	flavonol synthase/flavanone 3-hydroxylase, putative, expressed	Chr4	34060040	34063474 +	4	1506	-5.06
LOC_Os07g37760.2	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed	Chr7	22648343	22654350 -	15	2114	5.11
LOC_Os03g04600.1	expressed protein	Chr3	2145763	2150672 -	3	3444	-3.80
LOC_Os06g03690.1	RNA recognition motif containing protein, putative, expressed	Chr6	1455368	1458610 +	7	1450	6.04

LOC_Os12g10540.1	OsMADS13 - MADS-box family gene with MIKCC type-box, expressed	Chr12	5585203	5590285 +	8	1464	6.21
LOC_Os11g17610.1	expressed protein	Chr11	9815907	9820235 -	11	1743	5.27
LOC_Os11g05130.2	PHD-finger family protein, expressed	Chr11	2247706	2255775 -	10	6466	4.57
LOC_Os05g19974.2	endonuclease/exonuclease/phosphatase family protein, putative, expressed	Chr5	11671479	11681136 +	7	1736	5.71
LOC_Os07g28790.1	PAP fibrillin family domain containing protein, expressed	Chr7	16857192	16862643 +	11	1879	4.80
LOC_Os08g08580.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr8	4958467	4962376 -	4	953	5.24
LOC_Os05g34500.1	expressed protein	Chr5	20455499	20456338 +	1	872	-4.90
LOC_Os09g36244.1	expressed protein	Chr9	20906765	20908479 +	4	900	5.06
LOC_Os06g41060.1	helix-loop-helix DNA-binding, putative, expressed	Chr6	24522165	24527832 -	6	1271	5.06
LOC_Os08g04140.1	X8 domain containing protein, expressed	Chr8	2012000	2013407 +	4	1131	4.32
LOC_Os10g27060.1	SET domain protein 123, putative, expressed	Chr10	14261166	14263875 -	8	1550	5.20
LOC_Os08g04140.2	X8 domain containing protein, expressed	Chr8	2012001	2013407 +	4	1127	4.32
LOC_Os07g29390.1	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr7	17254909	17260675 -	8	1654	5.48
LOC_Os03g56830.2	ad-003, putative, expressed	Chr3	32381178	32383791 -	8	1492	4.57
LOC_Os05g28950.2	CAAX amino terminal protease family protein, putative, expressed	Chr5	16972939	16975971 +	7	1844	5.26
LOC_Os09g09320.1	nuclear transport factor, putative, expressed	Chr9	4988974	4991687 +	3	1499	4.87
LOC_Os01g68800.1	expressed protein	Chr1	39958548	39959622 +	3	883	5.52
LOC_Os11g06370.1	expressed protein	Chr11	3063521	3066036 -	2	1582	6.29
LOC_Os10g41650.1	OsFBX392 - F-box domain containing protein, expressed	Chr10	22425627	22427804 +	2	1797	6.07
LOC_Os07g46430.2	expressed protein	Chr7	27701512	27705190 -	8	1698	5.44
LOC_Os08g26270.1	expressed protein	Chr8	16015231	16015586 -	2	328	3.96
LOC_Os04g45280.5	histidine triad family protein, putative, expressed	Chr4	26752194	26757287 -	6	1205	4.32
LOC_Os08g01350.2	transmembrane protein 18, putative, expressed	Chr8	222483	225362 -	3	1287	4.75
LOC_Os02g30840.2	RNA pseudouridine synthase, putative, expressed	Chr2	18385206	18390663 +	11	2127	6.09
LOC_Os07g48640.1	short-chain dehydrogenase/reductase, putative, expressed	Chr7	29121890	29124961 +	6	1524	7.65
LOC_Os07g29390.3	peptidyl-prolyl cis-trans isomerase, putative, expressed	Chr7	17254909	17260675 -	8	1643	5.48
LOC_Os01g53720.2	expressed protein	Chr1	30879000	30886338 +	12	3588	-4.01
LOC_Os09g07480.1	membrane associated DUF588 domain containing protein, putative, expressed	Chr9	3745683	3749470 +	3	1344	4.89
LOC_Os03g27003.2	expressed protein	Chr3	15453264	15456412 +	2	1406	5.03
LOC_Os01g48920.1	beclin-1, putative, expressed	Chr1	28070679	28076428 -	10	2474	4.93
LOC_Os08g32880.1	disease resistance protein RPM1, putative, expressed	Chr8	20389564	20392287 +	1	2756	7.40
LOC_Os09g15790.1	ras-related protein, putative, expressed	Chr9	9643529	9646172 -	2	1679	4.17
LOC_Os06g04040.3	WD domain, G-beta repeat domain containing protein, expressed	Chr6	1648595	1651506 +	7	1434	5.75
LOC_Os09g36370.1	ER lumen protein retaining receptor containing protein, expressed	Chr9	20988450	20994466 +	8	1855	6.70
LOC_Os02g30840.1	RNA pseudouridine synthase, putative, expressed	Chr2	18385206	18390663 +	12	2028	6.09
LOC_Os07g48640.2	short-chain dehydrogenase/reductase, putative, expressed	Chr7	29121756	29124961 +	7	1598	7.64
LOC_Os06g39748.1	expressed protein	Chr6	23585866	23586186 -	1	353	4.89
LOC_Os08g39120.1	expressed protein	Chr8	24712425	24715665 +	2	2446	5.52
LOC_Os03g45400.1	antitermination NusB domain-containing protein, putative, expressed	Chr3	25627102	25631164 +	7	1871	5.87
LOC_Os01g37080.1	retrotransposon protein, putative, unclassified, expressed	Chr1	20691942	20696077 -	2	4021	3.50
LOC_Os11g48020.1	fatty acid hydroxylase, putative, expressed	Chr11	28953907	28957199 -	7	1518	7.73
LOC_Os01g74190.1	radical SAM enzyme, putative, expressed	Chr1	42977145	42979816 -	10	1853	4.67
LOC_Os07g38490.1	GDP-fucose protein-O-fucosyltransferase 2, putative, expressed	Chr7	23115846	23119820 +	3	2078	4.82
LOC_Os08g07290.2	HEAT repeat family protein, putative, expressed	Chr8	4069808	4076114 -	4	5218	6.52
LOC_Os04g54200.1	diacylglycerol kinase, putative, expressed	Chr4	32286661	32291459 +	13	2406	6.00

LOC_Os02g32660.2	1,4-alpha-glucan-branching enzyme, chloroplast precursor, putative, expressed	Chr2	19358471	19367127 -	16	2780	5.47
LOC_Os12g33230.1	OsFBL60 - F-box domain and LRR containing protein, expressed	Chr12	20100274	20103255 +	3	2273	4.87
LOC_Os05g35440.1	serine hydroxymethyltransferase, mitochondrial precursor, putative, expressed	Chr5	21050901	21054702 -	4	2321	5.47
LOC_Os02g56219.1	acetyltransferase, GNAT family, putative, expressed	Chr2	34382284	34388181 +	3	1384	4.55
LOC_Os12g02810.1	protein kinase domain containing protein, expressed	Chr12	991513	996183 -	6	1972	4.72
LOC_Os06g37010.2	metal cation transporter, putative, expressed	Chr6	21824375	21826735 +	5	1869	4.67
LOC_Os02g04420.2	expressed protein	Chr2	1947602	1949400 -	2	1762	4.57
LOC_Os07g27150.3	trafficking protein particle complex subunit 4, putative, expressed	Chr7	15751122	15755972 +	4	1129	4.83
LOC_Os05g34240.1	hAT dimerisation domain containing protein, expressed	Chr5	20267699	20271147 -	7	2821	6.02
LOC_Os05g25974.2	expressed protein	Chr5	15092220	15095127 -	4	2718	5.38
LOC_Os03g21090.1	auxin-independent growth promoter protein, putative, expressed	Chr3	12008191	12012504 -	10	2269	5.46
LOC_Os04g33840.1	pentatricopeptide, putative, expressed	Chr4	20499421	20501058 +	1	1670	6.28
LOC_Os01g56660.1	expressed protein	Chr1	32693760	32696486 +	4	2336	5.09
LOC_Os04g31040.1	violaxanthin de-epoxidase, putative, expressed	Chr4	18551238	18553801 -	6	2069	4.84
LOC_Os08g45160.1	TENA/THI-4 family protein, putative, expressed	Chr8	28347237	28351751 -	6	3315	5.07
LOC_Os03g61330.1	fumarylacetoacetase, putative, expressed	Chr3	34817125	34820371 -	8	1365	5.58
LOC_Os07g47490.4	OsGH3.11 - Probable indole-3-acetic acid-amido synthetase, expressed	Chr7	28391698	28400307 -	4	2285	4.88
LOC_Os07g37760.1	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed	Chr7	22648343	22654350 -	16	2246	5.11
LOC_Os02g04670.1	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr2	2096202	2101457 +	2	3589	4.51
LOC_Os02g13890.2	FYVE zinc finger domain containing protein, expressed	Chr2	7542594	7544430 +	2	1472	5.06
LOC_Os08g34210.2	aldehyde dehydrogenase, putative, expressed	Chr8	21445787	21450833 +	8	2746	7.19
LOC_Os06g05520.1	OsMKK1 - putative MAPKK based on amino acid sequence homology, expressed	Chr6	2498847	2502901 -	9	1843	5.03
LOC_Os08g01600.1	polygalacturonase, putative, expressed	Chr8	357115	360795 +	5	1848	7.37
LOC_Os01g72420.1	C2 domain containing protein, putative, expressed	Chr1	41999585	42002803 -	3	2682	3.86
LOC_Os12g25800.1	expressed protein	Chr12	14963121	14963695 +	2	331	4.61
LOC_Os01g10130.1	RNA-dependent RNA polymerase, putative, expressed	Chr1	5288135	5293325 -	8	1965	4.66
LOC_Os01g15850.1	expressed protein	Chr1	8925072	8929646 +	7	1783	4.98
LOC_Os05g34240.3	hAT dimerisation domain containing protein, expressed	Chr5	20267699	20271147 -	6	2888	6.02
LOC_Os12g05110.1	pyruvate kinase, putative, expressed	Chr12	2245322	2249836 -	16	2720	4.33
LOC_Os05g41540.1	bZIP transcription factor domain containing protein, expressed	Chr5	24321000	24322781 -	1	1814	4.58
LOC_Os03g34040.2	ribosomal protein, putative, expressed	Chr3	19412908	19417098 -	3	1392	5.26
LOC_Os05g19630.1	peptide chain release factor protein, putative, expressed	Chr5	11436297	11439153 -	10	1748	6.74
LOC_Os02g01020.2	expressed protein	Chr2	10568	13896 -	3	3214	6.11
LOC_Os05g05260.1	helicase, putative, expressed	Chr5	2584798	2590120 -	11	3069	4.81
LOC_Os03g63010.2	plastid terminal oxidase, putative, expressed	Chr3	35625601	35629619 +	6	1710	4.39
LOC_Os11g03720.1	expressed protein	Chr11	1445411	1448908 +	6	624	4.03
LOC_Os05g34240.2	hAT dimerisation domain containing protein, expressed	Chr5	20267699	20271119 -	5	2909	6.02
LOC_Os03g29730.1	expressed protein	Chr3	16937580	16940919 -	9	1566	5.68
LOC_Os12g02750.1	expressed protein	Chr12	971331	975926 +	5	1837	4.07
LOC_Os07g06660.2	glyoxalase family protein, putative, expressed	Chr7	3245342	3247308 -	3	1030	4.65
LOC_Os04g48230.2	dehydration response related protein, putative, expressed	Chr4	28723924	28727647 -	6	2644	4.52
LOC_Os11g06290.1	expressed protein	Chr11	3019550	3022478 +	2	2170	4.78
LOC_Os06g29804.2	expressed protein	Chr6	17156034	17159871 +	3	1048	6.82
LOC_Os03g05040.1	expressed protein	Chr3	2450608	2455276 -	7	3041	4.97
LOC_Os10g15164.1	expressed protein	Chr10	8070371	8074813 +	6	2811	6.99

LOC_Os03g62680.1	expressed protein	Chr3	35470284	35473955	-	9	1818	6.15
LOC_Os04g58504.1	choline transporter-related, putative, expressed	Chr4	34791847	34800755	-	10	2783	7.25
LOC_Os12g37360.1	miro, putative, expressed	Chr12	22939746	22943722	-	3	1127	4.46
LOC_Os11g02090.1	expressed protein	Chr11	566237	568625	+	4	1057	4.12
LOC_Os03g17170.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr3	9553185	9555231	+	2	1364	4.62
LOC_Os06g06940.1	S-locus-like receptor protein kinase, putative, expressed	Chr6	3294197	3296358	-	2	2143	6.48
LOC_Os10g27060.2	SET domain protein 123, putative, expressed	Chr10	14261167	14263875	-	7	1651	5.20
LOC_Os06g37010.1	metal cation transporter, putative, expressed	Chr6	21824535	21826735	+	5	1709	4.54
LOC_Os01g59560.1	protein kinase domain containing protein, expressed	Chr1	34437262	34444377	-	9	2970	5.36
LOC_Os05g01820.1	cytochrome b5-like Heme/Steroid binding domain containing protein, expressed	Chr5	492255	494332	+	3	1105	-4.99
LOC_Os11g06800.1	retrotransposon protein, putative, unclassified, expressed	Chr11	3330523	3331395	+	2	775	3.94
LOC_Os11g02305.1	expressed protein	Chr11	655459	660185	-	3	1965	-8.49
LOC_Os12g43840.2	ankyrin repeat domain-containing protein, putative, expressed	Chr12	27213378	27219059	-	13	2292	4.87
LOC_Os02g03950.3	zinc finger, C3HC4 type family protein, expressed	Chr2	1680213	1685319	+	7	2336	4.58
LOC_Os10g21360.1	N-dimethylguanosine tRNA methyltransferase, putative, expressed	Chr10	10932181	10939475	+	13	2738	5.18
LOC_Os02g04690.2	cycloartenol synthase, putative, expressed	Chr2	2110921	2120419	-	21	3204	3.32
LOC_Os04g31040.3	violaxanthin de-epoxidase, putative, expressed	Chr4	18551243	18553801	-	5	2137	4.84
LOC_Os01g56310.1	radical SAM enzyme, putative, expressed	Chr1	32440171	32443318	+	7	1618	5.59
LOC_Os04g54820.1	programmed cell death 2 C-terminal domain-containing protein, putative, expressed	Chr4	32600309	32603388	+	7	2026	5.79
LOC_Os06g03910.1	hydrolase, NUDIX family, domain containing protein, expressed	Chr6	1574484	1577176	-	6	1487	4.54
LOC_Os03g20300.2	glucose-6-phosphate 1-dehydrogenase, chloroplast precursor, putative, expressed	Chr3	11468496	11475783	-	13	3474	6.79
LOC_Os10g21360.2	N-dimethylguanosine tRNA methyltransferase, putative, expressed	Chr10	10932181	10939475	+	12	2788	5.18
LOC_Os11g02090.2	expressed protein	Chr11	566237	568625	+	4	1076	4.12
LOC_Os12g02390.1	vacuolar-sorting receptor precursor, putative, expressed	Chr12	783540	788120	-	12	3010	5.15
LOC_Os12g06060.1	amino acid permease family protein, putative, expressed	Chr12	2816374	2822877	+	5	1768	4.67
LOC_Os01g49380.1	lipase, putative, expressed	Chr1	28384020	28387158	-	8	1556	4.30
LOC_Os01g49380.2	lipase, putative, expressed	Chr1	28384020	28387158	-	8	1546	4.30
LOC_Os01g20120.1	expressed protein	Chr1	11426336	11430996	-	6	1894	6.26
LOC_Os02g52480.1	cyclin-dependent kinase inhibitor, putative, expressed	Chr2	32111311	32112949	+	4	1394	4.92
LOC_Os12g07730.1	SWIRM domain containing protein, expressed	Chr12	3879354	3885325	+	9	3258	4.72
LOC_Os01g65904.1	expressed protein	Chr1	38273297	38274818	+	1	1554	4.69
LOC_Os01g15840.1	PPR repeat containing protein, expressed	Chr1	8921590	8925372	-	1	3815	5.05
LOC_Os06g29804.1	expressed protein	Chr6	17156034	17160300	+	5	1227	6.82
LOC_Os06g44270.1	synthase, putative, expressed	Chr6	26708003	26709889	+	2	1870	4.86
LOC_Os06g15620.1	GASR7 - Gibberellin-regulated GASA/GAST/Snakin family protein precursor, expressed	Chr6	8847702	8848847	-	2	1106	5.00
LOC_Os04g45280.2	histidine triad family protein, putative, expressed	Chr4	26753631	26757287	-	7	1337	4.26
LOC_Os02g07250.1	peptidase, cysteine peptidase active site, putative, expressed	Chr2	3720874	3724570	-	7	1803	5.02
LOC_Os08g01350.1	transmembrane protein 18, putative, expressed	Chr8	222452	225362	-	4	1266	4.73
LOC_Os04g45280.4	histidine triad family protein, putative, expressed	Chr4	26753631	26757285	-	7	1344	4.26
LOC_Os02g56020.1	methyltransferase, putative, expressed	Chr2	34296373	34299423	+	9	1792	7.24
LOC_Os02g15160.1	OsFBX40 - F-box domain containing protein, expressed	Chr2	8453872	8455936	-	2	1467	4.97
LOC_Os09g38980.1	T-complex protein, putative, expressed	Chr9	22382924	22387028	+	8	2643	5.87
LOC_Os03g44210.2	expressed protein	Chr3	24842043	24845659	-	3	2861	5.32
LOC_Os05g03000.1	inner membrane protein alx, putative, expressed	Chr5	1127011	1132428	-	14	2266	4.74
LOC_Os02g04100.1	peptidase, T1 family, putative, expressed	Chr2	1784550	1788087	+	2	1264	5.61

LOC_Os07g27150.2	trafficking protein particle complex subunit 4, putative, expressed	Chr7	15751055	15755972 +	4	1184	4.81
LOC_Os06g46380.1	rab geranylgeranyl transferase like protein, putative, expressed	Chr6	28143872	28148384 +	8	2759	5.03
LOC_Os06g21099.1	expressed protein	Chr6	12186508	12190658 +	7	1712	4.52
LOC_Os06g01050.1	expressed protein	Chr6	33589	37124 +	5	613	3.94
LOC_Os04g53350.1	expressed protein	Chr4	31768908	31773173 -	3	2834	6.12
LOC_Os02g43740.1	AGC_PVPK_like_kin82y.6 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr2	26392963	26396720 +	3	3114	4.09
LOC_Os09g31300.2	helix-loop-helix DNA-binding domain containing protein, expressed	Chr9	18814008	18817017 +	5	2266	6.70
LOC_Os09g31300.1	helix-loop-helix DNA-binding domain containing protein, expressed	Chr9	18814008	18817017 +	5	2272	6.70
LOC_Os09g19830.1	histone-lysine N-methyltransferase, putative, expressed	Chr9	11869807	11874417 +	2	3908	6.45
LOC_Os02g04690.1	cycloartenol synthase, putative, expressed	Chr2	2110921	2120419 -	19	2978	3.30
LOC_Os04g46930.1	serine racemase, putative, expressed	Chr4	27823815	27826571 -	7	1573	5.49
LOC_Os02g22580.1	expressed protein	Chr2	13467197	13467584 -	3	318	4.80
LOC_Os01g32130.1	expressed protein	Chr1	17583645	17586310 +	5	1438	5.44
LOC_Os03g28300.2	protein kinase domain containing protein, expressed	Chr3	16282782	16290482 +	6	3998	-6.51
LOC_Os09g28489.1	expressed protein	Chr9	17326916	17328680 -	1	1797	5.25
LOC_Os01g72230.1	stromal membrane-associated protein, putative, expressed	Chr1	41882488	41886410 +	9	2072	4.14
LOC_Os02g11960.1	ABC transporter, ATP-binding protein, putative, expressed	Chr2	6197353	6204374 +	18	3471	5.57
LOC_Os03g53770.1	RNA recognition motif containing protein, putative, expressed	Chr3	30825413	30828133 +	8	1096	3.87
LOC_Os07g06325.1	retrotransposon protein, putative, unclassified	Chr7	3072799	3073095 -	1	329	3.44
LOC_Os05g49980.1	OsFBL26 - F-box domain and LRR containing protein, expressed	Chr5	28663259	28666983 +	6	2641	4.52
LOC_Os03g19780.1	expressed protein	Chr3	11133135	11134225 +	1	1123	4.90
LOC_Os01g53840.1	protein kinase family protein, putative, expressed	Chr1	30949378	30954738 -	11	2745	5.86
LOC_Os03g58170.2	stem-specific protein TSJT1, putative, expressed	Chr3	33110648	33118318 +	4	1343	4.68
LOC_Os01g10690.1	POLD3 - Putative DNA polymerase delta complex subunit, expressed	Chr1	5718883	5724184 -	8	2485	5.40
LOC_Os12g40440.1	expressed protein	Chr12	25027023	25029724 -	1	2734	4.03
LOC_Os10g35810.1	thylakoid luminal protein, putative, expressed	Chr10	19147616	19150913 -	3	1760	7.43
LOC_Os04g46930.2	serine racemase, putative, expressed	Chr4	27823815	27826597 -	7	1728	5.49
LOC_Os02g48600.1	expressed protein	Chr2	29752383	29753853 +	2	1228	6.62
LOC_Os02g12939.1	expressed protein	Chr2	6831023	6835681 -	2	3963	4.55
LOC_Os12g33240.1	mitochondrial ribosomal protein S10, putative, expressed	Chr12	20105725	20108020 +	1	2328	5.80
LOC_Os03g47270.1	GCRP4 - Glycine and cysteine rich family protein precursor, expressed	Chr3	26746797	26747692 +	1	928	3.95
LOC_Os03g31320.2	RING zinc finger protein-like, putative, expressed	Chr3	17850489	17853739 -	2	1582	5.03
LOC_Os03g34040.1	ribosomal protein, putative, expressed	Chr3	19412908	19417098 -	2	1477	5.28
LOC_Os03g09045.1	retrotransposon protein, putative, unclassified, expressed	Chr3	4694814	4695943 +	1	1162	4.62
LOC_Os01g71330.1	expressed protein	Chr1	41343327	41344284 +	2	921	5.60
LOC_Os02g56950.2	expressed protein	Chr2	34905434	34910822 -	9	2184	5.22
LOC_Os08g38080.1	helix-loop-helix DNA-binding domain containing protein, expressed	Chr8	24121860	24123906 +	7	1360	4.15
LOC_Os03g06230.1	galactose mutarotase-like, putative, expressed	Chr3	3119831	3123758 -	3	1928	5.37
LOC_Os09g38980.2	T-complex protein, putative, expressed	Chr9	22382924	22387041 +	7	2832	5.88
LOC_Os06g06802.1	retrotransposon protein, putative, unclassified, expressed	Chr6	3204763	3212337 +	5	5872	5.42
LOC_Os06g40330.1	MYB family transcription factor, putative, expressed	Chr6	24005099	24012308 -	7	2634	4.98
LOC_Os02g15660.1	tetratricopeptide repeat, putative, expressed	Chr2	8809967	8813976 -	6	3301	5.22
LOC_Os03g13130.2	ternary complex factor MIP1, putative, expressed	Chr3	7088357	7092500 +	11	2905	5.06
LOC_Os02g56840.1	OsFBX70 - F-box domain containing protein, expressed	Chr2	34833867	34836156 +	3	1456	5.13
LOC_Os09g24670.2	CAAX amino terminal protease family protein, putative, expressed	Chr9	14680807	14684522 +	9	2375	6.11

LOC_Os08g31830.1	UPF0041 domain containing protein, putative, expressed	Chr8	19735719	19739231 -	5	1008	4.05
LOC_Os11g04600.1	BTBA5 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Ankyrin repeat region, expressed	Chr11	1951555	1954600 +	2	2142	5.37
LOC_Os03g12236.3	heat shock protein DnaJ, putative, expressed	Chr3	6424393	6426920 +	5	2074	4.25
LOC_Os04g35140.1	OsSub41 - Putative Subtilisin homologue, expressed	Chr4	21358864	21362109 +	1	3278	-5.05
LOC_Os02g50320.2	ATMAP70 protein, putative, expressed	Chr2	30720856	30726460 +	11	2904	8.03
LOC_Os03g60190.1	oxidoreductase, 2OG-Fe oxygenase family protein, putative, expressed	Chr3	34234446	34238406 +	4	2589	6.01
LOC_Os02g50320.1	ATMAP70 protein, putative, expressed	Chr2	30720856	30726460 +	11	2901	8.03
LOC_Os12g01510.2	MRH1, putative, expressed	Chr12	306267	309900 -	7	2756	-7.92
LOC_Os01g20120.2	expressed protein	Chr1	11426336	11430967 -	4	2024	6.26
LOC_Os01g12060.1	expressed protein	Chr1	6558931	6559377 -	1	479	3.56
LOC_Os09g29790.1	PPR repeat domain containing protein, putative, expressed	Chr9	18101204	18109313 -	13	3041	5.69
LOC_Os03g41350.1	BTBN7 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 N	Chr3	22990165	22996471 -	5	2903	6.79
LOC_Os01g05744.1	expressed protein	Chr1	2742507	2747439 +	10	1584	4.85
LOC_Os07g47490.3	OsGH3.11 - Probable indole-3-acetic acid-amido synthetase, expressed	Chr7	28391725	28400307 -	6	2701	4.88
LOC_Os06g20410.1	BAH domain containing protein, expressed	Chr6	11725804	11734594 -	6	2919	5.25
LOC_Os09g30474.1	BPI/LBP family protein At3g20270 precursor, putative, expressed	Chr9	18569419	18574041 -	6	2266	7.39
LOC_Os12g04210.2	mitochondrial glycoprotein, putative, expressed	Chr12	1776606	1777703 -	1	1130	4.13
LOC_Os04g58400.1	tRNA synthetase, putative, expressed	Chr4	34743472	34749766 -	9	1413	4.23
LOC_Os02g53070.1	HYS1, putative, expressed	Chr2	32469558	32472659 -	5	2497	5.71
LOC_Os06g01850.1	ferredoxin--NADP reductase, chloroplast precursor, putative, expressed	Chr6	479178	481669 -	8	1737	5.07
LOC_Os02g39290.2	TRAF-type zinc finger family protein, expressed	Chr2	23726238	23729125 -	2	714	5.17
LOC_Os02g55450.1	retrotransposon protein, putative, unclassified	Chr2	33963784	33964038 +	1	287	3.38
LOC_Os04g26240.1	OsFBDUF21 - F-box and DUF domain containing protein, expressed	Chr4	15297803	15299739 -	3	1842	4.58
LOC_Os04g26240.2	OsFBDUF21 - F-box and DUF domain containing protein, expressed	Chr4	15297803	15299683 -	2	1845	4.58
LOC_Os03g13130.1	ternary complex factor MIP1, putative, expressed	Chr3	7088303	7092500 +	11	2950	5.06
LOC_Os01g70580.1	thiamin pyrophosphokinase 1, putative, expressed	Chr1	40868708	40871884 -	6	1468	4.26
LOC_Os01g29180.1	expressed protein	Chr1	16346972	16349561 -	2	1891	4.20
LOC_Os01g61670.1	ureidoglycolate hydrolase, putative, expressed	Chr1	35682305	35685757 +	3	1190	4.25
LOC_Os02g13810.1	DNA binding protein, putative, expressed	Chr2	7467473	7470926 -	8	1564	4.38
LOC_Os10g11820.1	expressed protein	Chr10	6552107	6555101 -	1	3027	6.52
LOC_Os06g02430.1	expressed protein	Chr6	835596	839193 +	8	1985	5.65
LOC_Os02g56880.1	transcriptional corepressor LEUNIG, putative, expressed	Chr2	34862547	34872882 -	18	3732	4.99
LOC_Os08g45150.1	GDSL-like lipase/acylhydrolase, putative, expressed	Chr8	28346377	28348793 +	2	2370	4.12
LOC_Os08g45150.2	GDSL-like lipase/acylhydrolase, putative, expressed	Chr8	28346373	28348793 +	2	2370	4.12
LOC_Os05g01610.1	FYVE zinc finger domain containing protein, expressed	Chr5	362500	365961 +	4	2882	5.80
LOC_Os05g25974.1	expressed protein	Chr5	15092144	15095127 -	4	2782	5.39
LOC_Os08g01070.2	retrotransposon protein, putative, unclassified, expressed	Chr8	54040	58327 +	9	3003	4.73
LOC_Os08g01070.4	retrotransposon protein, putative, unclassified, expressed	Chr8	54040	58327 +	9	2998	4.73
LOC_Os03g01018.1	phosphoribosyl transferase, putative, expressed	Chr3	19106	20491 +	1	1418	5.17
LOC_Os12g42430.3	IQ calmodulin-binding motif domain containing protein, expressed	Chr12	26369224	26374651 -	7	2073	5.31
LOC_Os12g42430.1	IQ calmodulin-binding motif domain containing protein, expressed	Chr12	26369224	26374651 -	7	2091	5.31
LOC_Os03g45270.1	CS domain containing protein, putative, expressed	Chr3	25558176	25560461 +	5	625	4.84
LOC_Os01g74410.2	MYB family transcription factor, putative, expressed	Chr1	43096392	43097974 +	1	1615	-6.63
LOC_Os08g30020.5	membrane protein, putative, expressed	Chr8	18452698	18457151 +	9	1986	-5.08
LOC_Os06g44200.2	ZOS6-06 - C2H2 zinc finger protein, expressed	Chr6	26660938	26664595 -	3	2299	5.52

LOC_Os03g04450.1	expressed protein	Chr3	2065043	2067737 +	1	2727	5.39
LOC_Os08g25734.2	glucose-1-phosphate adenyltransferase large subunit, chloroplast precursor, putative, expressed	Chr8	15666201	15672594 -	10	2264	5.64
LOC_Os01g73780.1	chloroplast outer envelope 24 kD protein, putative, expressed	Chr1	42735992	42737940 -	2	781	4.35
LOC_Os09g16790.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr9	10263362	10266406 +	7	2615	3.48
LOC_Os02g44910.1	transmembrane protein, putative, expressed	Chr2	27208202	27212647 -	9	2306	6.44
LOC_Os05g45770.2	Divergent PAP2 family domain containing protein, expressed	Chr5	26507606	26510057 +	1	2484	7.41
LOC_Os07g32600.2	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr7	19436899	19439331 +	2	2250	5.78
LOC_Os06g20310.1	expressed protein	Chr6	11670344	11673430 -	5	2369	3.82
LOC_Os06g44200.1	ZOS6-06 - C2H2 zinc finger protein, expressed	Chr6	26660938	26664595 -	3	2320	5.52
LOC_Os02g44235.1	expressed protein	Chr2	26767603	26770876 -	10	1641	6.60
LOC_Os07g48970.1	OsPOP17 - Putative Prolyl Oligopeptidase homologue, expressed	Chr7	29303741	29307647 +	10	2607	5.43
LOC_Os08g25734.1	glucose-1-phosphate adenyltransferase large subunit, chloroplast precursor, putative, expressed	Chr8	15666201	15671051 -	10	2383	5.64
LOC_Os01g25720.1	disease resistance protein RGA4, putative, expressed	Chr1	14576587	14581967 -	1	5413	-7.24
LOC_Os07g44630.1	thymidylate kinase, putative, expressed	Chr7	26631322	26633686 -	7	1404	5.11
LOC_Os06g44200.3	ZOS6-06 - C2H2 zinc finger protein, expressed	Chr6	26660938	26664595 -	2	2346	5.52
LOC_Os12g18130.2	expressed protein	Chr12	10454432	10458548 -	3	764	3.92
LOC_Os09g04890.1	histone-lysine N-methyltransferase, H3 lysine-4 specific ATX1, putative, expressed	Chr9	2601650	2615934 -	25	4401	5.35
LOC_Os12g40480.1	H-BTB9 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence, expressed	Chr12	25045199	25048597 +	4	2627	4.95
LOC_Os11g31650.1	expressed protein	Chr11	18509086	18512627 +	2	832	3.98
LOC_Os06g06490.3	U-box domain containing heat shock protein, putative, expressed	Chr6	3051104	3052716 +	2	1346	6.06
LOC_Os04g44300.2	transposon protein, putative, unclassified, expressed	Chr4	26236222	26240651 -	7	3034	7.14
LOC_Os05g49220.2	GTP-binding protein, putative, expressed	Chr5	28242004	28244772 -	9	1967	5.95
LOC_Os01g07920.2	prolyl 4-hydroxylase, putative, expressed	Chr1	3827042	3830347 -	7	1414	4.09
LOC_Os09g25980.1	glutamate receptor 2.6 precursor, putative, expressed	Chr9	15599149	15606592 -	6	3051	5.37
LOC_Os12g01510.1	MRH1, putative, expressed	Chr12	306267	310246 -	9	2900	-7.92
LOC_Os01g08310.1	serine/threonine protein phosphatase 2A 59 kDa regulatory subunit Bgamma isoform, putative, expressed	Chr1	4068617	4070372 -	2	969	3.77
LOC_Os08g17080.1	PPR repeat domain containing protein, putative, expressed	Chr8	10453817	10458045 +	3	2303	4.98
LOC_Os12g43840.1	ankyrin repeat domain-containing protein, putative, expressed	Chr12	27213496	27219059 -	12	2227	4.81
LOC_Os02g46320.1	glucosyltransferase, putative, expressed	Chr2	28233661	28237216 +	4	2174	6.24
LOC_Os06g02500.1	superoxide dismutase, chloroplast, putative, expressed	Chr6	864273	866968 -	8	2007	6.27
LOC_Os04g59600.1	pentatricopeptide, putative, expressed	Chr4	35439339	35443771 +	6	2305	3.98
LOC_Os05g44570.1	histidine-containing phosphotransfer protein, putative, expressed	Chr5	25927984	25931525 -	6	1239	3.71
LOC_Os07g06210.1	retrotransposon protein, putative, unclassified	Chr7	3027555	3027851 -	1	329	3.38
LOC_Os09g12540.1	chlorophyll A-B binding protein, putative, expressed	Chr9	7185218	7188146 +	5	1368	5.40
LOC_Os03g24890.1	RNA recognition motif containing protein, putative, expressed	Chr3	14176397	14181042 +	7	1410	6.05
LOC_Os09g32410.1	OsFBX333 - F-box domain containing protein, expressed	Chr9	19352404	19357059 -	5	3022	6.48
LOC_Os03g13130.3	ternary complex factor MIP1, putative, expressed	Chr3	7088192	7092500 +	11	3076	5.06
LOC_Os06g08032.1	flavonol synthase/flavanone 3-hydroxylase, putative, expressed	Chr6	3893672	3895400 +	4	1425	4.93
LOC_Os01g72980.2	tRNA uridine 5-carboxymethylaminomethyl modification enzyme gidA, putative, expressed	Chr1	42329246	42335754 -	13	3080	7.30
LOC_Os12g01590.1	expressed protein	Chr12	355523	359361 -	4	2462	3.82
LOC_Os02g49150.1	RNA polymerase Rpb4, putative, expressed	Chr2	30053464	30058543 -	10	1639	4.54
LOC_Os02g49150.2	RNA polymerase Rpb4, putative, expressed	Chr2	30053464	30058543 -	9	1697	4.57
LOC_Os02g49150.3	RNA polymerase Rpb4, putative, expressed	Chr2	30053464	30058543 -	10	1615	4.53
LOC_Os01g72980.1	tRNA uridine 5-carboxymethylaminomethyl modification enzyme gidA, putative, expressed	Chr1	42329246	42335754 -	13	3130	7.32
LOC_Os02g12570.1	pre-mRNA cleavage complex II protein Clp1, putative, expressed	Chr2	6568146	6572535 +	10	1952	4.71

LOC_Os05g33510.1	peptide methionine sulfoxide reductase msrB, putative, expressed	Chr5	19681732	19684599 +	3	1102	5.75
LOC_Os06g36320.1	receptor-like protein kinase 5 precursor, putative, expressed	Chr6	21279310	21282208 +	3	2834	4.85
LOC_Os01g25720.2	disease resistance protein RGA4, putative, expressed	Chr1	14576587	14581967 -	2	5352	-7.28
LOC_Os06g40960.1	ZOS6-05 - C2H2 zinc finger protein, expressed	Chr6	24453131	24456495 +	2	2023	4.69
LOC_Os10g31420.1	retrotransposon protein, putative, unclassified, expressed	Chr10	16476146	16477079 -	1	966	3.97
LOC_Os10g41790.2	type II intron maturase protein, putative, expressed	Chr10	22489253	22492226 +	2	2950	6.21
LOC_Os03g46730.3	expressed protein	Chr3	26442733	26444293 +	2	793	5.42
LOC_Os05g11510.1	B-box zinc finger family protein, putative, expressed	Chr5	6514746	6517280 +	3	2154	4.60
LOC_Os06g38010.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr6	22471426	22478151 +	3	5511	3.21
LOC_Os10g27470.1	KH domain containing protein, putative, expressed	Chr10	14487133	14493136 +	7	2499	4.90
LOC_Os12g37740.1	resistance protein LR10, putative, expressed	Chr12	23167074	23171951 -	3	3519	5.75
LOC_Os10g20440.1	retrotransposon protein, putative, unclassified, expressed	Chr10	10286400	10292118 +	2	5191	-6.15
LOC_Os03g59450.1	transporter-related, putative, expressed	Chr3	33837942	33841754 -	4	2163	5.01
LOC_Os05g32430.2	NLI interacting factor-like phosphatase, putative, expressed	Chr5	18928206	18932374 +	7	1577	4.31
LOC_Os03g01700.1	expressed protein	Chr3	430478	432878 -	2	2370	-7.89
LOC_Os06g21670.1	retrotransposon protein, putative, unclassified, expressed	Chr6	12512114	12513337 +	4	1231	5.69
LOC_Os05g09650.1	ubiquinone biosynthesis protein COQ4, putative, expressed	Chr5	5450104	5451973 +	3	967	3.90
LOC_Os03g17440.1	expressed protein	Chr3	9700359	9703425 -	4	1353	5.41
LOC_Os01g50030.1	CPuORF25 - conserved peptide uORF-containing transcript, expressed	Chr1	28739987	28744762 +	12	2421	7.73
LOC_Os05g43760.1	TCP family transcription factor, putative, expressed	Chr5	25436354	25438703 +	2	1713	4.33
LOC_Os12g01930.4	lipase-related, putative, expressed	Chr12	554438	558636 -	10	2365	5.00
LOC_Os08g38010.3	expressed protein	Chr8	24079623	24082996 +	4	2276	4.70
LOC_Os02g57940.1	OsFBX74 - F-box domain containing protein, expressed	Chr2	35481853	35483956 -	1	2136	6.48
LOC_Os06g10200.4	adenylate kinase, putative, expressed	Chr6	5221419	5223682 +	5	1253	4.86
LOC_Os02g53490.1	cation efflux family protein, putative, expressed	Chr2	32721002	32723788 +	7	2123	5.21
LOC_Os03g29830.1	expressed protein	Chr3	16999140	17002312 +	3	1191	-5.40
LOC_Os01g54730.1	expressed protein	Chr1	31487114	31490247 -	2	3093	5.18
LOC_Os01g07480.2	DUF260 domain containing protein, putative, expressed	Chr1	3551044	3552990 -	3	1384	5.16
LOC_Os02g32950.1	RCN2 Centroradialis-like1 homologous to TFL1 gene%3B contains Pfam profile PF01161%3A Phc	Chr2	19567632	19568968 -	4	822	-6.02
LOC_Os05g48940.1	expressed protein	Chr5	28071956	28076493 -	5	2432	5.51
LOC_Os01g69870.2	expressed protein	Chr1	40371949	40373618 +	2	1045	4.47
LOC_Os01g54730.2	expressed protein	Chr1	31487114	31490247 -	2	3084	5.18
LOC_Os09g32710.1	expressed protein	Chr9	19509236	19512674 -	7	1917	5.54
LOC_Os05g23990.1	rp3 protein, putative, expressed	Chr5	13817137	13822276 +	3	4624	-5.42
LOC_Os07g44630.2	thymidylate kinase, putative, expressed	Chr7	26631322	26633686 -	6	1465	5.11
LOC_Os06g24020.1	retrotransposon protein, putative, unclassified	Chr6	14031403	14031630 -	1	260	3.41
LOC_Os01g39680.3	expressed protein	Chr1	22379059	22383049 +	7	1409	-6.15
LOC_Os03g29810.1	OsClp6 - Putative Clp protease homologue, expressed	Chr3	16994268	16997742 +	9	1602	6.19
LOC_Os12g42970.1	GATA zinc finger domain containing protein, expressed	Chr12	26693519	26696516 +	2	1520	4.78
LOC_Os01g39680.1	expressed protein	Chr1	22379059	22383049 +	7	1418	-6.15
LOC_Os09g35670.2	expressed protein	Chr9	20519235	20522576 +	8	1946	5.62
LOC_Os04g38970.1	protein binding protein, putative, expressed	Chr4	23148230	23151738 -	4	2391	5.73
LOC_Os04g38970.2	protein binding protein, putative, expressed	Chr4	23149143	23151738 -	3	2305	5.68
LOC_Os01g53020.1	heat shock protein DnaJ, putative, expressed	Chr1	30472593	30475205 +	9	1712	7.36
LOC_Os08g33154.1	expressed protein	Chr8	20618998	20622780 -	2	3721	6.80

LOC_Os12g03990.1	dual specificity protein phosphatase, putative, expressed	Chr12	1652554	1655465	-	6	1923	4.44
LOC_Os01g02840.1	resistance-related receptor-like kinase, putative, expressed	Chr1	997963	1000997	+	3	2007	4.71
LOC_Os01g65400.1	DNA polymerase I, putative, expressed	Chr1	37956305	37958989	-	6	1985	6.96
LOC_Os04g47290.3	amine oxidase, putative, expressed	Chr4	28076454	28080015	+	11	2215	5.32
LOC_Os09g29825.1	pentatricopeptide, putative, expressed	Chr9	18135734	18136435	+	1	734	5.11
LOC_Os12g34400.1	expressed protein	Chr12	20850016	20851258	+	4	1004	3.90
LOC_Os02g32370.1	inositol hexaphosphate kinase, putative, expressed	Chr2	19121903	19125842	+	2	1850	3.90
LOC_Os05g49480.1	transcription factor-related, putative, expressed	Chr5	28360602	28361930	+	2	1184	4.02
LOC_Os04g44300.1	transposon protein, putative, unclassified, expressed	Chr4	26236216	26240651	-	6	3116	7.18
LOC_Os03g39530.1	expressed protein	Chr3	21955115	21956457	+	4	446	3.44
LOC_Os03g10870.1	membrane associated DUF588 domain containing protein, putative, expressed	Chr3	5586002	5588859	+	3	1043	3.91
LOC_Os12g33080.1	2-oxoglutarate/malate translocator, chloroplast precursor, putative, expressed	Chr12	20005372	20008889	+	3	2122	5.48
LOC_Os02g45120.1	expressed protein	Chr2	27369109	27371822	+	2	764	4.50
LOC_Os01g65400.4	DNA polymerase I, putative, expressed	Chr1	37955088	37958989	-	4	3720	6.19
LOC_Os12g21870.1	type II intron maturase protein, putative, expressed	Chr12	12312707	12318342	-	7	2875	4.40
LOC_Os04g02530.3	expressed protein	Chr4	937893	943051	+	3	1143	6.43
LOC_Os09g20910.1	expressed protein	Chr9	12582819	12590857	-	16	3914	5.31
LOC_Os01g73460.1	ATXR, putative, expressed	Chr1	42567843	42573082	+	6	1889	5.07
LOC_Os09g19160.1	serine/threonine-protein kinase, putative, expressed	Chr9	11449827	11458902	+	11	2329	4.91
LOC_Os12g42250.1	ZOS12-10 - C2H2 zinc finger protein, expressed	Chr12	26210779	26211896	-	1	1150	5.80
LOC_Os10g40824.1	expressed protein	Chr10	21953518	21955536	+	1	2051	4.39
LOC_Os03g43390.1	F-box/LRR domain containing protein, putative, expressed	Chr3	24189817	24197398	+	11	2438	3.66
LOC_Os08g27010.1	APE1, putative, expressed	Chr8	16506115	16510326	+	9	1628	4.21
LOC_Os11g37980.1	GAUT2/LGT2, putative, expressed	Chr11	22514187	22518111	-	7	2068	7.73
LOC_Os12g10330.1	NB-ARC domain containing protein, expressed	Chr12	5469044	5471369	-	1	2358	-7.33
LOC_Os12g01510.3	MRH1, putative, expressed	Chr12	306267	310246	-	7	3029	-7.92
LOC_Os01g65400.5	DNA polymerase I, putative, expressed	Chr1	37955088	37958989	-	5	3654	6.18
LOC_Os03g43390.2	F-box/LRR domain containing protein, putative, expressed	Chr3	24189817	24197398	+	11	2429	3.66
LOC_Os08g25130.1	enhancer of polycomb, putative, expressed	Chr8	15256028	15267417	-	12	2643	4.80
LOC_Os01g61670.3	ureidoglycolate hydrolase, putative, expressed	Chr1	35683106	35685757	+	2	897	4.25
LOC_Os12g42430.2	IQ calmodulin-binding motif domain containing protein, expressed	Chr12	26369224	26374188	-	7	2093	5.29
LOC_Os07g23720.1	B4-BTB4 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with B4 subfamily conserved sequ	Chr7	13384446	13386049	+	1	1636	5.23
LOC_Os03g43390.3	F-box/LRR domain containing protein, putative, expressed	Chr3	24189817	24197398	+	11	2416	3.66
LOC_Os04g16792.1	uncharacterized protein ycf76, putative	Chr4	9144093	9144349	+	1	289	4.52
LOC_Os02g13140.1	xaa-Pro dipeptidase, putative, expressed	Chr2	6985223	6993606	+	16	2732	6.15
LOC_Os01g19380.1	pentatricopeptide, putative, expressed	Chr1	10965000	10968073	+	4	1514	4.73
LOC_Os03g26000.1	expressed protein	Chr3	14899827	14906973	+	12	4529	5.40
LOC_Os04g59610.1	expressed protein	Chr4	35443924	35446343	+	4	1932	6.31
LOC_Os03g42440.1	expressed protein	Chr3	23616738	23620260	-	3	658	3.61
LOC_Os08g25130.2	enhancer of polycomb, putative, expressed	Chr8	15256028	15267443	-	12	2665	4.80
LOC_Os03g21370.1	expressed protein	Chr3	12219824	12223237	+	3	1150	4.58
LOC_Os01g53630.1	ulp1 protease family protein, putative, expressed	Chr1	30788730	30796556	-	12	2344	4.05
LOC_Os01g04200.1	metallo-beta-lactamase family protein, putative, expressed	Chr1	1849834	1856303	+	13	2418	6.08
LOC_Os05g33020.1	preprotein translocase subunit secY, putative, expressed	Chr5	19346026	19353385	-	13	3015	4.84
LOC_Os04g54230.1	wound induced protein, putative, expressed	Chr4	32297556	32298132	-	1	609	3.75

LOC_Os03g18940.1	exonuclease, putative, expressed	Chr3	10606874	10612264 +	4	1831	5.91
LOC_Os03g60190.2	oxidoreductase, ZOG-Fe oxygenase family protein, putative, expressed	Chr3	34234446	34238406 +	3	2821	6.02
LOC_Os11g43320.1	NBS-LRR type disease resistance protein, putative, expressed	Chr11	26139957	26143460 +	1	3536	6.08
LOC_Os11g35040.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr11	20525547	20529233 -	7	1830	5.59
LOC_Os03g50160.1	plastocyanin-like domain containing protein, putative, expressed	Chr3	28604432	28606325 -	2	841	-5.33
LOC_Os08g31150.1	retrotransposon protein, putative, unclassified, expressed	Chr8	19249643	19257180 -	7	6200	-4.79
LOC_Os07g13950.1	expressed protein	Chr7	7973477	7975774 -	4	338	3.30
LOC_Os02g45950.1	expressed protein	Chr2	27995118	27998650 +	7	1724	5.81
LOC_Os07g27150.1	trafficking protein particle complex subunit 4, putative, expressed	Chr7	15751011	15755972 +	4	1205	4.77
LOC_Os06g41390.3	N-terminal asparagine amidohydrolase, putative, expressed	Chr6	24814005	24817722 -	9	1864	5.08
LOC_Os11g09960.1	expressed protein	Chr11	5336524	5340505 -	3	915	6.01
LOC_Os10g12354.1	endonuclease, putative, expressed	Chr10	6868486	6878306 +	6	2590	7.25
LOC_Os01g43050.1	CENP-C1, putative, expressed	Chr1	24559329	24568663 +	18	3473	5.82
LOC_Os12g01510.4	MRH1, putative, expressed	Chr12	306267	310513 -	10	3077	-7.92
LOC_Os02g56210.1	hydrolase, NUDIX family, domain containing protein, expressed	Chr2	34378631	34382107 -	8	1576	5.48
LOC_Os03g39407.1	expressed protein	Chr3	21900414	21904231 +	3	2941	4.85
LOC_Os11g35050.2	expressed protein	Chr11	20533132	20538142 -	7	3038	5.55
LOC_Os10g12354.2	endonuclease, putative, expressed	Chr10	6868486	6878306 +	6	2600	7.26
LOC_Os02g53500.1	RFC5 - Putative clamp loader of PCNA, replication factor C subunit 5, expressed	Chr2	32723377	32727558 -	9	1832	5.47
LOC_Os06g01640.1	arginine N-methyltransferase 7, putative, expressed	Chr6	375706	382683 +	14	2934	3.87
LOC_Os06g20430.2	BPI/LBP family protein At3g20270 precursor, putative, expressed	Chr6	11737120	11741015 -	5	2606	4.46
LOC_Os01g48220.1	protein of unknown function DUF1421 domain containing protein, expressed	Chr1	27631022	27633567 -	3	2160	4.62
LOC_Os04g47860.1	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408775	28416032 +	3	3525	4.63
LOC_Os04g47860.2	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408775	28416032 +	3	3506	4.63
LOC_Os04g47860.6	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408775	28416032 +	3	3503	4.63
LOC_Os03g09310.1	frigida, putative, expressed	Chr3	4862183	4866739 -	3	1881	4.41
LOC_Os01g50050.1	polyprenyl synthetase, putative, expressed	Chr1	28752055	28755585 -	12	1912	5.30
LOC_Os10g39980.1	expressed protein	Chr10	21417293	21419897 +	3	2217	-7.56
LOC_Os06g20430.1	BPI/LBP family protein At3g20270 precursor, putative, expressed	Chr6	11737126	11741015 -	6	1932	4.35
LOC_Os11g07100.1	receptor-like protein kinase precursor, putative, expressed	Chr11	3535405	3540184 +	4	3896	5.26
LOC_Os04g47860.3	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408733	28416018 +	5	3349	4.63
LOC_Os04g30880.1	TBC domain containing protein, expressed	Chr4	18452744	18456670 +	9	1976	5.76
LOC_Os12g10740.1	leucine-rich repeat family protein, putative, expressed	Chr12	5765954	5773383 +	19	4044	-6.13
LOC_Os06g41390.1	N-terminal asparagine amidohydrolase, putative, expressed	Chr6	24814005	24817722 -	9	1827	5.08
LOC_Os06g41390.2	N-terminal asparagine amidohydrolase, putative, expressed	Chr6	24814005	24817722 -	9	1827	5.08
LOC_Os02g35039.2	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr2	21027729	21038863 +	9	1695	5.66
LOC_Os07g12520.1	zinc ion binding protein, putative, expressed	Chr7	7145539	7149827 +	6	3098	4.30
LOC_Os02g03360.1	expressed protein	Chr2	1360424	1363699 +	3	712	4.05
LOC_Os03g42230.1	B3 DNA binding domain containing protein, expressed	Chr3	23491995	23496324 +	7	2908	5.11
LOC_Os05g49240.1	homeodomain-related, putative, expressed	Chr5	28253514	28255081 +	2	716	7.79
LOC_Os10g40550.2	CPuORF23 - conserved peptide uORF-containing transcript, expressed	Chr10	21706982	21710973 -	11	2202	5.70
LOC_Os02g10090.2	expressed protein	Chr2	5254199	5257596 -	5	2501	5.29
LOC_Os03g59160.1	elongation factor P, putative, expressed	Chr3	33688274	33692248 -	11	1141	4.61
LOC_Os04g31330.1	exo70 exocyst complex subunit domain containing protein, expressed	Chr4	18740585	18743328 +	1	2776	5.08
LOC_Os12g38670.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr12	23744664	23750582 -	9	3690	-5.62

LOC_Os08g14770.1	aminotransferase, putative, expressed	Chr8	8879910	8888141 -	14	3340	6.51
LOC_Os04g47860.4	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408664	28416032 +	4	3068	4.63
LOC_Os04g47860.5	ZOS4-11 - C2H2 zinc finger protein, expressed	Chr4	28408664	28416032 +	4	3065	4.63
LOC_Os03g01850.2	cyclin-dependent kinase A-1, putative, expressed	Chr3	511272	514786 +	8	1763	6.35
LOC_Os06g47930.1	expressed protein	Chr6	28988077	28990335 -	3	1709	6.11
LOC_Os04g53520.1	expressed protein	Chr4	31880493	31894575 -	6	2331	4.85
LOC_Os06g35900.1	BES1/BZR1 homolog protein, putative, expressed	Chr6	20941120	20944275 +	2	1785	4.75
LOC_Os01g50050.2	polyprenyl synthetase, putative, expressed	Chr1	28752167	28755585 -	11	1865	5.11
LOC_Os07g22910.1	expressed protein	Chr7	12906247	12908649 +	4	959	4.11
LOC_Os09g17930.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr9	10977575	10981276 -	9	2463	6.82
LOC_Os01g52304.1	NB-ARC domain containing protein, expressed	Chr1	30062716	30066346 +	2	2964	4.89
LOC_Os03g09310.2	frigida, putative, expressed	Chr3	4862184	4866739 -	2	1932	4.41
LOC_Os02g38580.1	protein phosphatase 2C, putative, expressed	Chr2	23326336	23331896 +	11	2110	6.56
LOC_Os01g57870.2	disease resistance protein RPS2, putative, expressed	Chr1	33460254	33463913 -	3	3525	7.64
LOC_Os04g59610.2	expressed protein	Chr4	35443924	35446343 +	4	2032	6.31
LOC_Os02g35039.1	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr2	21027729	21038863 +	10	1654	5.66
LOC_Os08g44320.1	low molecular weight protein-tyrosine-phosphatase slr0328, putative, expressed	Chr8	27888895	27893038 -	6	1343	5.46
LOC_Os01g48900.1	dynamamin-related protein 1A, putative, expressed	Chr1	28054938	28060595 +	14	3139	6.09
LOC_Os11g32090.1	geranylgeranyl transferase type-2 subunit beta, putative, expressed	Chr11	18903855	18904547 -	2	652	4.57
LOC_Os03g55200.1	ORC5 - Putative origin recognition complex subunit 5, expressed	Chr3	31410884	31413346 +	4	2238	4.96
LOC_Os05g43820.2	ras-related protein, putative, expressed	Chr5	25474799	25478182 +	6	2834	6.10
LOC_Os03g38940.1	expressed protein	Chr3	21631065	21634055 -	3	2844	5.64
LOC_Os05g50980.1	SET domain containing protein, expressed	Chr5	29251632	29255944 -	11	2188	5.04
LOC_Os09g24230.1	haloacid dehalogenase-like hydrolase family protein, putative, expressed	Chr9	14387518	14389888 -	5	1254	4.54
LOC_Os02g10090.1	expressed protein	Chr2	5254080	5257596 -	6	2550	5.29
LOC_Os12g05750.1	eukaryotic aspartyl protease domain containing protein, expressed	Chr12	2650651	2651769 -	1	1151	3.94
LOC_Os04g01130.1	chromatin modification-related protein EAF3, putative, expressed	Chr4	89024	97924 +	11	1528	4.99
LOC_Os11g35050.1	expressed protein	Chr11	20533032	20538185 -	7	3187	5.55
LOC_Os02g17280.1	gamma-secretase subunit APH-1B, putative, expressed	Chr2	9902629	9907888 +	6	1319	4.22
LOC_Os07g04210.1	Ser/Thr protein phosphatase family protein, putative, expressed	Chr7	1841996	1848576 +	16	3491	4.91
LOC_Os01g67520.1	VTC2, putative, expressed	Chr1	39244417	39247128 +	7	2039	6.21
LOC_Os04g30910.1	SAM domain family protein, expressed	Chr4	18468228	18473269 +	5	1353	4.82
LOC_Os05g49920.1	pentatricopeptide, putative, expressed	Chr5	28633062	28635805 +	1	2776	7.28
LOC_Os03g31320.1	RING zinc finger protein-like, putative, expressed	Chr3	17850489	17853697 +	3	1693	5.01
LOC_Os06g10420.1	nitrilase, putative, expressed	Chr6	5356979	5358952 +	8	1120	4.22
LOC_Os01g42980.4	ribosomal protein L22, putative, expressed	Chr1	24480855	24483664 +	8	1262	5.26
LOC_Os12g22090.2	expressed protein	Chr12	12425383	12429748 +	5	2205	3.77
LOC_Os12g22090.4	expressed protein	Chr12	12425383	12429741 +	5	2195	3.77
LOC_Os10g20510.3	expressed protein	Chr10	10337377	10339305 +	1	1961	4.41
LOC_Os02g14890.1	expressed protein	Chr2	8292472	8293263 +	1	824	4.13
LOC_Os05g49980.2	OsFBL26 - F-box domain and LRR containing protein, expressed	Chr5	28663259	28666596 +	4	2395	4.48
LOC_Os01g45070.2	peptide deformylase, putative, expressed	Chr1	25586543	25589162 -	5	1047	6.30
LOC_Os02g47610.1	nmrA-like family domain containing protein, expressed	Chr2	29094969	29097451 -	5	1392	4.81
LOC_Os02g52140.2	RNA recognition motif containing protein, putative, expressed	Chr2	31916107	31920601 -	6	1275	5.81
LOC_Os01g67520.3	VTC2, putative, expressed	Chr1	39244417	39247128 +	6	2124	6.25

LOC_Os03g21000.1	thioredoxin, putative, expressed	Chr3	11919251	11921367 -	4	1431	4.97
LOC_Os03g24860.1	transporter family protein, putative, expressed	Chr3	14153872	14159202 -	18	2356	4.56
LOC_Os06g49080.1	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed	Chr6	29738880	29742503 +	11	2186	5.39
LOC_Os10g13550.2	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr10	7335809	7338831 -	9	1869	5.92
LOC_Os10g18860.1	retrotransposon protein, putative, Ty1-copia subclass, expressed	Chr10	9610519	9614744 -	3	3249	4.92
LOC_Os01g07090.1	5-azacytidine resistance protein azr1, putative, expressed	Chr1	3332952	3336075 -	12	1783	4.74
LOC_Os07g07220.1	LSM domain containing protein, expressed	Chr7	3574404	3576953 +	2	1439	3.79
LOC_Os07g10860.1	expressed protein	Chr7	5931013	5939269 +	10	1439	4.12
LOC_Os05g48410.1	50S ribosomal protein L21, chloroplast precursor, putative, expressed	Chr5	27756066	27759135 -	5	1449	5.45
LOC_Os10g40580.1	expressed protein	Chr10	21731114	21737010 +	3	2727	5.40
LOC_Os12g06290.1	expressed protein	Chr12	3007570	3009854 -	4	1290	6.18
LOC_Os11g06320.1	expressed protein	Chr11	3027596	3031893 -	4	2809	5.71
LOC_Os06g45140.2	bZIP transcription factor domain containing protein, expressed	Chr6	27299914	27302107 -	4	2004	6.07
LOC_Os03g23760.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr3	13460393	13469269 +	5	3982	3.32
LOC_Os07g03270.1	heat shock protein DnaJ, putative, expressed	Chr7	1313767	1316455 -	7	1287	4.53
LOC_Os04g53020.1	GRF zinc finger family protein	Chr4	31575624	31576441 +	3	750	3.87
LOC_Os01g54050.1	histidine-containing phosphotransfer protein, putative, expressed	Chr1	31092032	31094953 +	6	2011	5.60
LOC_Os06g20310.3	expressed protein	Chr6	11669579	11673430 -	5	3131	3.85
LOC_Os01g07990.1	retrotransposon protein, putative, unclassified, expressed	Chr1	3864260	3868543 +	1	4316	5.33
LOC_Os03g20020.1	plant neutral invertase domain containing protein, expressed	Chr3	11283340	11287896 -	6	2494	6.59
LOC_Os03g43420.1	single-stranded DNA-binding protein, putative, expressed	Chr3	24215221	24219448 -	5	1526	5.79
LOC_Os06g21620.2	expressed protein	Chr6	12471709	12476347 -	8	1617	5.54
LOC_Os06g20310.2	expressed protein	Chr6	11669579	11673430 -	5	3149	3.85
LOC_Os05g04170.4	AMP-binding enzyme, putative, expressed	Chr5	1866878	1871653 -	18	2747	5.66
LOC_Os07g06230.1	hypothetical protein	Chr7	3031410	3031705 -	2	301	3.22
LOC_Os02g21780.1	retrotransposon protein, putative, unclassified, expressed	Chr2	12944749	12946023 +	1	1307	4.56
LOC_Os05g06814.1	expressed protein	Chr5	3560985	3571380 -	10	2110	3.97
LOC_Os01g05460.1	expressed protein	Chr1	2575583	2578210 -	5	760	3.61
LOC_Os12g26044.1	expressed protein	Chr12	15127532	15129908 -	7	1281	5.90
LOC_Os10g41790.1	type II intron maturase protein, putative, expressed	Chr10	22489253	22492227 +	1	3007	6.27
LOC_Os06g50350.1	expressed protein	Chr6	30479410	30480798 +	2	682	3.96
LOC_Os05g25780.1	rhodanese-like domain containing protein, putative, expressed	Chr5	14997859	15000770 +	5	1880	6.23
LOC_Os11g44310.1	calmodulin binding protein, putative, expressed	Chr11	26777812	26783973 +	9	2600	5.90
LOC_Os04g52440.1	aminotransferase, putative, expressed	Chr4	31169012	31174731 +	19	2513	5.69
LOC_Os02g08260.1	HD domain containing protein 2, putative, expressed	Chr2	4384188	4388042 +	8	1427	5.95
LOC_Os02g21520.1	chalcone isomerase 3, putative, expressed	Chr2	12765282	12772122 +	5	1379	5.47
LOC_Os01g01970.1	expressed protein	Chr1	524579	527952 -	4	1279	4.27
LOC_Os01g39680.2	expressed protein	Chr1	22379059	22383049 +	7	1824	-6.17
LOC_Os05g06814.2	expressed protein	Chr5	3560985	3571380 -	9	2144	3.97
LOC_Os09g35920.1	mediator of RNA polymerase II transcription subunit 10, putative, expressed	Chr9	20673831	20678640 -	6	3302	5.59
LOC_Os08g35948.2	expressed protein	Chr8	22670558	22675587 -	4	1604	4.21
LOC_Os01g44050.1	siroheme synthase, putative, expressed	Chr1	25234661	25238165 +	6	2148	7.07
LOC_Os09g33580.2	BEE 1, putative, expressed	Chr9	19812623	19815196 -	8	1715	5.81
LOC_Os06g07932.2	flavonol synthase/flavanone 3-hydroxylase, putative, expressed	Chr6	3855441	3857393 +	4	1649	4.93
LOC_Os11g09160.1	B3 DNA binding domain containing protein, expressed	Chr11	4894638	4899923 -	5	2104	4.52

LOC_Os07g29720.1	expressed protein	Chr7	17471134	17472072 -	2	523	-5.01
LOC_Os10g37640.1	HIT zinc finger domain containing protein, expressed	Chr10	20140647	20144863 -	5	1761	5.51
LOC_Os01g65400.2	DNA polymerase I, putative, expressed	Chr1	37957139	37959001 -	5	1498	3.99
LOC_Os02g33350.1	harpin-induced protein 1 domain containing protein, expressed	Chr2	19954553	19955660 -	1	1140	-6.25
LOC_Os08g39330.1	skin secretory protein xP2 precursor, putative, expressed	Chr8	24854285	24855757 +	2	989	5.26
LOC_Os02g20430.1	WD domain, G-beta repeat domain containing protein, expressed	Chr2	12054833	12057372 +	9	1404	5.68
LOC_Os08g41320.1	BHLH transcription factor, putative, expressed	Chr8	26102849	26105371 +	8	2063	4.43
LOC_Os09g31040.1	EF hand family protein, putative, expressed	Chr9	18672137	18673106 +	1	1002	6.78
LOC_Os01g16152.1	peroxiredoxin, putative, expressed	Chr1	9117901	9121417 -	5	1358	6.57
LOC_Os04g06850.1	expressed protein	Chr4	3609046	3613651 -	2	2750	4.31
LOC_Os01g09430.1	expressed protein	Chr1	4800247	4802179 +	3	1278	5.48
LOC_Os03g43850.1	recA protein, putative, expressed	Chr3	24591390	24596469 +	13	2029	5.25
LOC_Os03g22700.1	cyclin-dependent kinase C-2, putative, expressed	Chr3	13110912	13115736 -	6	2398	4.38
LOC_Os03g08370.1	transposon protein, putative, unclassified, expressed	Chr3	4272870	4277474 +	5	3269	6.49
LOC_Os12g26044.2	expressed protein	Chr12	15127532	15129908 -	7	1311	5.90
LOC_Os02g54200.1	mitochondrial transcription termination factor family protein, putative, expressed	Chr2	33224445	33227590 -	4	1853	4.63
LOC_Os01g57870.1	disease resistance protein RPS2, putative, expressed	Chr1	33460254	33463913 -	1	3692	7.64
LOC_Os02g39800.1	SET domain containing protein, expressed	Chr2	24050126	24053010 -	7	914	4.99
LOC_Os09g37446.2	expressed protein	Chr9	21595349	21597946 -	4	2454	6.18
LOC_Os10g40550.1	CPuORF23 - conserved peptide uORF-containing transcript, expressed	Chr10	21706909	21710977 -	12	2411	5.80
LOC_Os07g42490.2	sucrose synthase, putative, expressed	Chr7	25429639	25435177 +	16	3468	5.12
LOC_Os03g63680.1	expressed protein	Chr3	35968492	35970517 +	2	1310	4.27
LOC_Os01g05640.1	receptor-like protein kinase 5 precursor, putative, expressed	Chr1	2688623	2692186 -	3	3403	6.51
LOC_Os05g03000.2	inner membrane protein alx, putative, expressed	Chr5	1127011	1132408 -	14	2283	4.87
LOC_Os07g33200.1	expressed protein	Chr7	19827230	19833195 +	10	2427	6.96
LOC_Os01g13660.2	expressed protein	Chr1	7653910	7656854 -	2	1212	6.76
LOC_Os01g71390.1	retrotransposon protein, putative, unclassified, expressed	Chr1	41367744	41369024 +	2	391	3.41
LOC_Os04g59610.3	expressed protein	Chr4	35443924	35446343 +	2	2162	6.31
LOC_Os07g07520.1	OsFBX217 - F-box domain containing protein, expressed	Chr7	3745353	3749974 +	4	1141	5.01
LOC_Os04g02730.1	tRNA-dihydrouridine synthase 3-like, putative, expressed	Chr4	1046902	1054004 +	10	2826	6.53
LOC_Os01g52260.1	serine acetyltransferase protein, putative, expressed	Chr1	30042527	30043938 +	1	1444	5.62
LOC_Os05g28460.1	MEE12, putative, expressed	Chr5	16662669	16664342 +	3	1597	4.14
LOC_Os01g01970.2	expressed protein	Chr1	524579	528002 -	4	1217	4.31
LOC_Os03g18830.2	programmed cell death protein 2, putative, expressed	Chr3	10552724	10556172 -	10	1930	5.40
LOC_Os06g06810.1	OsSub49 - Putative Subtilisin homologue, expressed	Chr6	3213518	3219042 +	6	3082	6.57
LOC_Os04g43040.2	expressed protein	Chr4	25468673	25471556 -	6	1375	4.79
LOC_Os07g05010.2	helix-loop-helix DNA-binding domain containing protein, expressed	Chr7	2207088	2210741 +	8	2483	4.56
LOC_Os05g26660.1	NADH-ubiquinone oxidoreductase, mitochondrial precursor, putative, expressed	Chr5	15482300	15488221 -	10	2514	5.21
LOC_Os03g13040.1	haemolysin-III, putative, expressed	Chr3	7046802	7051333 -	3	2225	3.93
LOC_Os12g42044.3	OsWAK127b - OsWAK short gene, expressed	Chr12	26081703	26086841 -	5	2439	5.71
LOC_Os02g07670.1	URED, putative, expressed	Chr2	3992144	3994997 -	8	1408	3.99
LOC_Os10g37640.2	HIT zinc finger domain containing protein, expressed	Chr10	20140647	20144863 -	4	1806	5.51
LOC_Os10g05940.1	expressed protein	Chr10	2995396	2998062 +	3	778	3.91
LOC_Os03g16130.5	CAMK_CAMK_like_ULKh_APGy.2 - CAMK includes calcium/calmodulin dependent protein kinases,	Chr3	8896279	8897471 -	3	1106	4.63
LOC_Os06g36210.1	amino acid transporter, putative, expressed	Chr6	21208192	21214381 +	3	2474	6.56

LOC_Os07g05010.1	helix-loop-helix DNA-binding domain containing protein, expressed	Chr7	2207088	2210741 +	8	2499	4.56
LOC_Os03g59600.1	mitochondrial Rho GTPase 1, putative, expressed	Chr3	33936155	33937972 -	5	922	5.63
LOC_Os03g13150.1	non-symbiotic hemoglobin 2, putative, expressed	Chr3	7096670	7097510 +	4	638	3.51
LOC_Os01g04490.1	Ser/Thr protein kinase, putative, expressed	Chr1	1998427	2002855 +	5	1894	3.80
LOC_Os03g06710.1	PPR repeat domain containing protein, putative, expressed	Chr3	3407989	3413958 +	3	3229	6.03
LOC_Os01g12560.1	3-methyl-2-oxobutanoate hydroxymethyltransferase, putative, expressed	Chr1	6909691	6912131 -	5	1536	4.62
LOC_Os09g37446.1	expressed protein	Chr9	21595350	21597946 -	3	2501	6.18
LOC_Os02g32340.1	Spc97 / Spc98 family protein, putative, expressed	Chr2	19090970	19097416 -	17	4248	5.42
LOC_Os08g14390.1	expressed protein	Chr8	8630959	8636402 +	5	1333	4.91
LOC_Os08g05790.2	caffeoyl-CoA O-methyltransferase, putative, expressed	Chr8	3101979	3105447 +	9	1922	6.25
LOC_Os04g57140.1	kinesin motor domain containing protein, putative, expressed	Chr4	34039969	34050200 -	22	6226	5.64
LOC_Os02g33560.1	expressed protein	Chr2	19962597	19967923 -	5	1809	4.77
LOC_Os03g64060.1	expressed protein	Chr3	36193349	36193847 -	1	531	3.42
LOC_Os07g08880.4	ES43 protein, putative, expressed	Chr7	4606679	4609665 +	2	764	4.85
LOC_Os02g52140.1	RNA recognition motif containing protein, putative, expressed	Chr2	31916107	31920602 -	6	1288	5.85
LOC_Os02g45090.1	expressed protein	Chr2	27352069	27357013 -	7	1872	7.10
LOC_Os12g42044.2	OsWAK127b - OsWAK short gene, expressed	Chr12	26081667	26086831 -	5	2465	5.71
LOC_Os05g25950.1	cyclin, putative, expressed	Chr5	15084915	15086150 +	1	1268	5.56
LOC_Os07g39590.1	spotted leaf 11, putative, expressed	Chr7	23721772	23724795 +	2	2057	5.10
LOC_Os04g43360.2	Os4bglu14 - monolignol beta-glucoside homologue without catalytic acid/base, expressed	Chr4	25640270	25644607 -	12	2404	6.50
LOC_Os05g11840.1	expressed protein	Chr5	6750798	6752113 +	1	1348	4.16
LOC_Os04g43360.1	Os4bglu14 - monolignol beta-glucoside homologue without catalytic acid/base, expressed	Chr4	25640268	25644607 -	12	2410	6.50
LOC_Os01g07480.1	DUF260 domain containing protein, putative, expressed	Chr1	3551044	3553146 -	4	1459	5.39
LOC_Os02g38490.4	expressed protein	Chr2	23272523	23274491 +	3	495	5.89
LOC_Os06g19420.1	expressed protein	Chr6	11064049	11065140 -	2	436	3.97
LOC_Os03g07160.1	OsFBK11 - F-box domain and kelch repeat containing protein, expressed	Chr3	3664640	3669942 +	2	2414	4.79
LOC_Os01g64090.1	L1P family of ribosomal proteins domain containing protein, expressed	Chr1	37231748	37234375 +	6	909	4.60
LOC_Os08g31800.1	RGH1A, putative, expressed	Chr8	19715508	19719680 -	2	3712	5.98
LOC_Os11g29850.1	ABC transporter, ATP-binding protein, putative, expressed	Chr11	17329608	17332992 +	10	1879	4.41
LOC_Os12g26044.3	expressed protein	Chr12	15127532	15129908 -	6	1394	5.90
LOC_Os04g33470.2	Ser/Thr protein phosphatase family protein, putative, expressed	Chr4	20245217	20249961 -	5	1284	3.90
LOC_Os08g16810.1	retrotransposon protein, putative, SINE subclass, expressed	Chr8	10286867	10287842 -	2	893	-7.64
LOC_Os04g56340.1	retrotransposon protein, putative, unclassified	Chr4	33585824	33586078 +	1	287	3.18
LOC_Os11g09474.1	OsFBX400 - F-box domain containing protein, expressed	Chr11	5080262	5088495 -	10	3284	5.99
LOC_Os02g01450.1	expressed protein	Chr2	265783	268915 +	9	1551	4.18
LOC_Os07g27350.1	atuA, putative, expressed	Chr7	15912872	15917899 +	14	2980	3.81
LOC_Os01g64660.1	fructose-1,6-bisphosphatase, putative, expressed	Chr1	37519523	37522613 +	10	2173	4.39
LOC_Os02g35620.1	expressed protein	Chr2	21419921	21422365 -	1	2477	5.04
LOC_Os05g45920.1	S1 RNA binding domain containing protein, expressed	Chr5	26608284	26612433 +	9	1895	4.30
LOC_Os12g04860.2	DTW domain containing protein, putative, expressed	Chr12	2087518	2090631 -	2	1950	6.27
LOC_Os03g19427.1	nicotianamine synthase, putative, expressed	Chr3	10929483	10930895 -	1	1445	-10.09
LOC_Os06g38730.1	receptor-like protein kinase precursor, putative, expressed	Chr6	22992411	22995903 +	4	3137	4.53
LOC_Os05g23080.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr5	13155515	13162248 +	3	5460	5.25
LOC_Os06g46030.1	DUF640 domain containing protein, putative, expressed	Chr6	27904549	27906635 -	2	1529	4.53
LOC_Os05g04170.3	AMP-binding enzyme, putative, expressed	Chr5	1866878	1873323 -	20	3026	5.73

LOC_Os01g12540.2	GTPase of unknown function domain containing protein, putative, expressed	Chr1	6897557	6904259 +	8	3592	6.76
LOC_Os05g18730.1	generative cell specific-1, putative, expressed	Chr5	10847748	10854702 -	18	3063	4.24
LOC_Os04g46050.1	Alg9-like mannosyltransferase protein, putative, expressed	Chr4	27275215	27282749 -	20	2721	5.03
LOC_Os09g35700.1	LTPL45 - Protease inhibitor/seed storage/LTP family protein precursor, expressed	Chr9	20534165	20534954 +	2	747	3.59
LOC_Os08g05790.1	caffeoyl-CoA O-methyltransferase, putative, expressed	Chr8	3101979	3105447 +	9	1895	6.24
LOC_Os05g04170.2	AMP-binding enzyme, putative, expressed	Chr5	1866878	1873316 -	20	3023	5.73
LOC_Os12g34870.1	mitochondrial carrier protein, putative, expressed	Chr12	21225806	21229422 -	8	1841	4.28
LOC_Os05g35520.2	deoxynucleoside kinase family, putative, expressed	Chr5	21112635	21117398 +	6	1978	6.34
LOC_Os11g37880.1	stripe rust resistance protein Yr10, putative, expressed	Chr11	22451636	22458566 +	4	3419	-6.37
LOC_Os05g07790.1	DNA binding protein, putative, expressed	Chr5	4195278	4200491 -	11	2387	4.89
LOC_Os11g47460.4	MYB family transcription factor, putative, expressed	Chr11	28703899	28705124 -	2	1208	-4.68
LOC_Os02g35170.1	uncharacterized oxidoreductase yoxD, putative, expressed	Chr2	21122299	21125139 +	5	1146	5.99
LOC_Os12g19290.1	AGC_AGC_other_NDRh_TRCd.4 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr12	11184671	11191740 +	13	2919	4.25
LOC_Os01g22660.3	GDSL-like lipase/acylhydrolase, putative, expressed	Chr1	12742056	12745509 +	5	1615	5.82
LOC_Os04g42174.2	expressed protein	Chr4	24962835	24966545 +	4	1387	6.28
LOC_Os10g33910.1	mitochondrial import inner membrane translocase subunit Tim16, putative, expressed	Chr10	18006943	18009746 +	4	945	3.70
LOC_Os12g05690.1	expressed protein	Chr12	2622155	2623105 -	1	983	-6.26
LOC_Os06g48640.2	proteasome/cyclosome repeat containing protein, expressed	Chr6	29423023	29431646 -	24	4414	4.37
LOC_Os08g28080.1	coatomer subunit delta, putative, expressed	Chr8	17122122	17132608 -	16	3026	5.17
LOC_Os05g49670.1	expressed protein	Chr5	28487243	28488214 +	1	1004	3.94
LOC_Os04g46050.3	Alg9-like mannosyltransferase protein, putative, expressed	Chr4	27275215	27282769 -	21	2808	5.03
LOC_Os04g46050.2	Alg9-like mannosyltransferase protein, putative, expressed	Chr4	27275215	27282769 -	21	2817	5.03
LOC_Os05g43830.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr5	25476707	25484371 -	11	2182	6.38
LOC_Os10g33730.1	pentatricopeptide, putative, expressed	Chr10	17800146	17803223 -	1	3110	4.76
LOC_Os07g11280.2	pentatricopeptide containing protein, putative, expressed	Chr7	6224888	6231671 -	9	3480	5.39
LOC_Os03g58620.1	small multi-drug export protein, putative, expressed	Chr3	33388090	33391157 -	2	1373	5.19
LOC_Os02g04320.1	WD domain, G-beta repeat domain containing protein, expressed	Chr2	1903004	1905136 +	2	1590	5.28
LOC_Os05g18274.1	expressed protein	Chr5	10525064	10527433 +	5	1979	5.62
LOC_Os12g34870.2	mitochondrial carrier protein, putative, expressed	Chr12	21225806	21229422 -	8	1860	4.28
LOC_Os01g64660.2	fructose-1,6-bisphosphatase, putative, expressed	Chr1	37519523	37522613 +	12	2020	4.35
LOC_Os02g57050.1	diphthamide biosynthesis protein, putative, expressed	Chr2	34934531	34936977 -	2	1789	5.03
LOC_Os05g06780.1	LTPL104 - Protease inhibitor/seed storage/LTP family protein precursor, expressed	Chr5	3539563	3540972 -	2	798	-6.28
LOC_Os07g03025.1	expressed protein	Chr7	1140062	1142002 -	2	1933	5.57
LOC_Os06g48640.1	proteasome/cyclosome repeat containing protein, expressed	Chr6	29423023	29431646 -	25	4361	4.37
LOC_Os02g04320.2	WD domain, G-beta repeat domain containing protein, expressed	Chr2	1902990	1905136 +	2	1609	5.28
LOC_Os02g07670.2	URED, putative, expressed	Chr2	3992144	3995022 -	7	1497	3.99
LOC_Os05g04170.1	AMP-binding enzyme, putative, expressed	Chr5	1866931	1873316 -	19	3047	5.74
LOC_Os06g48640.3	proteasome/cyclosome repeat containing protein, expressed	Chr6	29423023	29431646 -	25	4273	4.37
LOC_Os03g01850.1	cyclin-dependent kinase A-1, putative, expressed	Chr3	510595	514786 +	9	2048	6.35
LOC_Os03g48830.1	ribosomal protein-related, putative, expressed	Chr3	27820011	27822921 -	2	672	4.96
LOC_Os09g39700.1	expressed protein	Chr9	22778758	22783735 +	9	2830	5.11
LOC_Os07g48850.1	PPR repeat containing protein, expressed	Chr7	29227754	29232888 -	3	4648	5.13
LOC_Os06g43800.2	methyltransferase domain containing protein, putative, expressed	Chr6	26375956	26379227 -	6	2028	4.90
LOC_Os03g24030.1	glutaredoxin, putative, expressed	Chr3	13631341	13632387 +	1	1079	4.60
LOC_Os07g32590.1	peptidase, M24 family protein, putative, expressed	Chr7	19427900	19432234 +	11	1949	4.99

LOC_Os05g35520.3	deoxynucleoside kinase family, putative, expressed	Chr5	21114280	21117398	+	5	2065	6.32
LOC_Os02g47310.1	Cyclopropane-fatty-acyl-phospholipid synthase, putative, expressed	Chr2	28893961	28897548	+	6	1727	4.79
LOC_Os04g30910.3	SAM domain family protein, expressed	Chr4	18468243	18473815	+	5	1509	5.40
LOC_Os01g10400.1	expressed protein	Chr1	5478476	5479834	+	2	1284	4.42
LOC_Os10g38040.1	lysM domain containing protein, putative, expressed	Chr10	20374252	20375455	+	1	1236	-4.00
LOC_Os10g26570.1	phosphofructokinase, putative, expressed	Chr10	13848972	13853484	-	14	2817	6.40
LOC_Os05g33310.1	oxidoreductase, ZOG-Fe oxygenase family protein, putative, expressed	Chr5	19525642	19528980	-	6	1305	5.32
LOC_Os07g47201.1	adenyl cyclase, putative, expressed	Chr7	28215131	28221958	-	11	1934	5.44
LOC_Os10g41999.1	RALFL27 - Rapid Alkalinization Factor RALF family protein precursor, expressed	Chr10	22578902	22583351	+	3	1014	-7.78
LOC_Os03g16580.1	expressed protein	Chr3	9138551	9143660	+	3	1368	4.47
LOC_Os01g64660.3	fructose-1,6-bisphosphatase, putative, expressed	Chr1	37519542	37522613	+	11	2073	4.35
LOC_Os12g17070.2	radical SAM enzyme, putative, expressed	Chr12	9766670	9772331	-	3	2158	5.08
LOC_Os02g05420.1	expressed protein	Chr2	2607099	2611381	+	7	1910	5.22
LOC_Os04g30910.2	SAM domain family protein, expressed	Chr4	18468228	18473815	+	6	1463	5.40
LOC_Os09g32310.1	expressed protein	Chr9	19286853	19289900	+	4	2059	5.19
LOC_Os04g31524.1	expressed protein	Chr4	18847020	18850779	-	7	1456	4.15
LOC_Os06g13860.1	RCD1, putative, expressed	Chr6	7698453	7703820	+	7	3101	5.55
LOC_Os03g12290.1	glutamine synthetase, catalytic domain containing protein, expressed	Chr3	6457910	6462727	-	11	2386	4.53
LOC_Os03g51930.1	expressed protein	Chr3	29789349	29791210	-	4	1125	4.64
LOC_Os02g10400.1	expressed protein	Chr2	5470929	5475134	-	8	1702	6.29
LOC_Os01g56550.2	transcription initiation factor IIF beta subunit, putative, expressed	Chr1	32598081	32601810	-	6	1485	6.33
LOC_Os03g19980.2	tetratricopeptide-like helical, putative, expressed	Chr3	11252327	11259529	+	3	2675	5.21
LOC_Os04g43040.3	expressed protein	Chr4	25468673	25471556	-	7	1317	4.77
LOC_Os09g37949.1	serine/threonine-protein kinase SRPK1, putative, expressed	Chr9	21881095	21884622	-	4	2182	3.67
LOC_Os04g57140.2	kinesin motor domain containing protein, putative, expressed	Chr4	34039969	34050200	-	23	5582	5.62
LOC_Os05g44210.1	trehalose-6-phosphate synthase, putative, expressed	Chr5	25713720	25720299	+	16	3271	6.31
LOC_Os01g56550.1	transcription initiation factor IIF beta subunit, putative, expressed	Chr1	32598081	32601810	-	6	1488	6.33
LOC_Os05g36090.1	zinc finger DHHC domain-containing protein, putative, expressed	Chr5	21388694	21392697	+	5	2127	3.77
LOC_Os04g49230.1	B3 DNA binding domain containing protein, expressed	Chr4	29366456	29368515	-	1	2092	4.75
LOC_Os03g17920.2	RNA pseudouridine synthase, putative, expressed	Chr3	9981239	9986561	+	11	2894	5.53
LOC_Os06g01810.1	expressed protein	Chr6	465680	468425	-	5	1428	5.25
LOC_Os03g59470.1	stage II sporulation protein E, putative, expressed	Chr3	33845779	33849847	-	5	2353	5.30
LOC_Os10g22730.2	expressed protein	Chr10	11807240	11813233	-	11	2728	6.56
LOC_Os01g10340.1	expressed protein	Chr1	5435443	5442651	-	11	1523	5.76
LOC_Os01g56880.1	purple acid phosphatase precursor, putative, expressed	Chr1	32848236	32852610	-	8	2383	6.95
LOC_Os10g22730.4	expressed protein	Chr10	11807240	11813233	-	11	2719	6.56
LOC_Os10g21274.1	expressed protein	Chr10	10863664	10863984	+	1	353	4.71
LOC_Os01g56550.3	transcription initiation factor IIF beta subunit, putative, expressed	Chr1	32598081	32601810	-	6	1502	6.33
LOC_Os04g34670.1	tRNA-splicing endonuclease positive effector-related, putative, expressed	Chr4	20967161	20973125	+	18	3272	6.27
LOC_Os02g07670.4	URED, putative, expressed	Chr2	3992144	3995041	-	7	1568	3.99
LOC_Os08g38720.1	cytochrome c oxidase assembly protein COX15, putative, expressed	Chr8	24482352	24486058	+	7	2144	4.23
LOC_Os10g37260.1	fringe-related protein, putative, expressed	Chr10	19952435	19957362	-	4	2801	5.14
LOC_Os05g46300.1	OsFBX172 - F-box domain containing protein, expressed	Chr5	26841422	26843053	-	1	1664	4.18
LOC_Os01g42460.1	BAH domain containing protein, expressed	Chr1	24136871	24144338	+	11	2560	4.42
LOC_Os01g48440.3	glycosyltransferase family 43 protein, putative, expressed	Chr1	27757763	27761733	-	3	2846	-5.86

LOC_Os01g13700.1	DNA-binding protein-related, putative, expressed	Chr1	7670066	7672762 +	2	949	5.59
LOC_Os05g04860.2	agenet domain containing protein, putative, expressed	Chr5	2334711	2339664 -	7	2392	4.27
LOC_Os02g44230.4	CPuORF22 - conserved peptide uORF-containing transcript, expressed	Chr2	26767603	26771633 -	11	2185	5.87
LOC_Os03g17920.1	RNA pseudouridine synthase, putative, expressed	Chr3	9981239	9986561 +	10	2953	5.53
LOC_Os08g41090.1	peroxidase precursor, putative, expressed	Chr8	25971764	25974968 -	11	1850	7.15
LOC_Os06g30830.1	OsMADS76 - MADS-box family gene with M-alpha type-box, expressed	Chr6	17887762	17891217 -	3	822	3.59
LOC_Os12g09570.2	GTP binding protein, putative, expressed	Chr12	5030805	5034571 +	3	3015	4.81
LOC_Os08g35948.1	expressed protein	Chr8	22670558	22675587 -	4	1688	4.30
LOC_Os12g01580.2	MATE efflux protein, putative, expressed	Chr12	350767	355106 +	12	2445	6.34
LOC_Os06g20500.1	tRNA-splicing endonuclease positive effector-related, putative, expressed	Chr6	11782148	11787799 -	20	3130	5.32
LOC_Os12g38730.2	expressed protein	Chr12	23794337	23797981 -	5	2575	5.04
LOC_Os05g43830.2	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr5	25476707	25484173 -	10	2054	6.38
LOC_Os06g43800.1	methyltransferase domain containing protein, putative, expressed	Chr6	26375956	26379227 -	7	1895	4.88
LOC_Os06g06040.7	expressed protein	Chr6	2778579	2779879 -	2	820	3.64
LOC_Os04g11400.1	expressed protein	Chr4	6231633	6232415 -	2	720	-5.86
LOC_Os04g23890.4	AGC_PVPK_like_kin82y.10 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr4	13641667	13654716 -	22	3989	4.97
LOC_Os01g04160.1	expressed protein	Chr1	1834110	1837733 +	3	3187	5.91
LOC_Os05g31680.1	expressed protein	Chr5	18433311	18437696 +	6	1911	5.49
LOC_Os01g09230.1	expressed protein	Chr1	4650095	4651961 +	2	1504	5.77
LOC_Os02g44230.3	CPuORF22 - conserved peptide uORF-containing transcript, expressed	Chr2	26767603	26771633 -	12	2122	5.87
LOC_Os05g43820.1	ras-related protein, putative, expressed	Chr5	25474799	25477027 +	8	1407	4.57
LOC_Os05g50160.1	DUF617 domain containing protein, expressed	Chr5	28743375	28744604 -	1	1262	4.95
LOC_Os07g07080.1	regulator of chromosome condensation/beta-lactamase-inhibitor protein II, putative, expressed	Chr7	3491976	3499332 -	12	4696	7.26
LOC_Os08g02140.3	STIP1 homology and U box-containing protein 1, putative, expressed	Chr8	715589	720189 +	6	1588	5.36
LOC_Os01g56520.2	double-stranded RNA binding motif containing protein, expressed	Chr1	32586874	32592046 -	6	2133	4.35
LOC_Os12g38730.1	expressed protein	Chr12	23794337	23797981 -	5	2584	5.04
LOC_Os12g01580.1	MATE efflux protein, putative, expressed	Chr12	350766	355106 +	12	2457	6.34
LOC_Os05g43690.1	glucan endo-1,3-beta-glucosidase-like protein 3 precursor, putative, expressed	Chr5	25399241	25401867 +	3	1593	4.42
LOC_Os02g57854.2	vacuolar ATP synthase subunit F, putative, expressed	Chr2	35429410	35430640 +	2	627	4.79
LOC_Os01g04200.4	metallo-beta-lactamase family protein, putative, expressed	Chr1	1849837	1855978 +	11	2540	6.13
LOC_Os01g72410.1	Leucine Rich Repeat family protein, expressed	Chr1	41997451	42000861 +	2	3369	5.31
LOC_Os08g33350.1	expressed protein	Chr8	20802476	20805200 -	8	1398	4.92
LOC_Os08g02110.1	peroxidase precursor, putative, expressed	Chr8	697180	698615 +	1	1468	-7.54
LOC_Os06g05640.1	expressed protein	Chr6	2551069	2554991 +	5	2014	4.78
LOC_Os01g56520.1	double-stranded RNA binding motif containing protein, expressed	Chr1	32586873	32592046 -	6	2143	4.35
LOC_Os05g35520.1	deoxynucleoside kinase family, putative, expressed	Chr5	21112585	21117398 +	5	2177	6.34
LOC_Os06g35540.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr6	20727092	20731771 -	10	2194	5.12
LOC_Os02g45690.1	uncharacterized mscS family protein, putative, expressed	Chr2	27798048	27803943 +	7	2547	5.99
LOC_Os02g58580.5	cation efflux family protein, putative, expressed	Chr2	35810519	35812446 +	7	1318	6.47
LOC_Os06g07932.1	flavonol synthase/flavanone 3-hydroxylase, putative, expressed	Chr6	3854646	3857393 +	6	1871	4.52
LOC_Os02g23821.1	retrotransposon protein, putative, unclassified, expressed	Chr2	13733777	13738201 -	3	3663	-5.99
LOC_Os01g56880.2	purple acid phosphatase precursor, putative, expressed	Chr1	32848236	32852610 -	7	2451	6.95
LOC_Os03g16080.2	mitochondrial carrier protein, putative, expressed	Chr3	8865964	8869220 +	7	1902	5.34
LOC_Os12g08740.2	exonuclease, putative, expressed	Chr12	4469470	4475431 +	14	3125	5.60
LOC_Os01g58890.2	cysteine proteinase inhibitor precursor protein, putative, expressed	Chr1	34033156	34034940 +	2	1513	-3.46

LOC_Os06g45140.1	bZIP transcription factor domain containing protein, expressed	Chr6	27299914	27302107	-	5	1782	6.06
LOC_Os02g44230.1	CPuORF22 - conserved peptide uORF-containing transcript, expressed	Chr2	26767603	26771633	-	12	2166	5.89
LOC_Os11g40200.1	expressed protein	Chr11	23976787	23979856	+	2	1409	4.67
LOC_Os10g35820.1	expressed protein	Chr10	19152303	19152971	+	1	701	4.06
LOC_Os01g64660.4	fructose-1,6-bisphosphatase, putative, expressed	Chr1	37519523	37522613	+	10	2156	4.35
LOC_Os02g01940.1	transcription factor jumonji, putative, expressed	Chr2	509377	517148	-	16	3506	7.14
LOC_Os08g38320.1	AGC_PVPK_like_kin82y.14 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr8	24274009	24277516	+	3	2694	6.18
LOC_Os01g58890.1	cysteine proteinase inhibitor precursor protein, putative, expressed	Chr1	34033156	34034940	+	3	1176	-3.46
LOC_Os01g58890.4	cysteine proteinase inhibitor precursor protein, putative, expressed	Chr1	34033158	34034940	+	2	1478	-3.46
LOC_Os02g44230.2	CPuORF22 - conserved peptide uORF-containing transcript, expressed	Chr2	26767603	26771609	-	12	2135	5.89
LOC_Os01g27390.1	glutathione S-transferase, putative, expressed	Chr1	15291669	15294415	+	3	1021	4.76
LOC_Os03g19420.2	nicotianamine synthase, putative, expressed	Chr3	10926469	10927950	+	1	1514	-10.62
LOC_Os02g40420.1	expressed protein	Chr2	24482990	24487434	-	7	2336	5.01
LOC_Os01g51410.1	glycine dehydrogenase, putative, expressed	Chr1	29560350	29567065	+	15	4381	-3.53
LOC_Os08g02140.2	STIP1 homology and U box-containing protein 1, putative, expressed	Chr8	715589	720171	+	7	1517	5.36
LOC_Os04g33570.1	RCN4 Centroradialis-like1 homologous to TFL1 gene%3B contains Pfam profile PF01161%3A Phc	Chr4	20319029	20321514	-	4	1607	-6.33
LOC_Os01g59510.1	chloroplast ribonuclease III domain protein, putative, expressed	Chr1	34412853	34416988	-	5	2325	4.26
LOC_Os08g08050.1	retrotransposon protein, putative, unclassified, expressed	Chr8	4566815	4569933	-	8	1312	5.58
LOC_Os04g23890.1	AGC_PVPK_like_kin82y.10 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr4	13641668	13654855	-	23	4066	4.97
LOC_Os08g06050.1	OsTOP6A2 - Topoisomerase 6 subunit A homolog 2, expressed	Chr8	3301039	3304257	-	10	1987	4.88
LOC_Os03g15570.1	STE_MEKK_ste11_MAP3K.12 - STE kinases include homologs to sterile 7, sterile 11 and sterile 20	Chr3	8572865	8577500	-	9	2948	5.00
LOC_Os02g27769.1	40S ribosomal protein S27, putative, expressed	Chr2	16445789	16446230	+	3	234	3.21
LOC_Os03g10210.1	homeobox domain containing protein, expressed	Chr3	5180655	5182185	-	3	1387	3.55
LOC_Os11g01450.1	phosphatidate cytidyltransferase, putative, expressed	Chr11	262584	264493	-	6	1346	-6.41
LOC_Os06g05250.2	GTP-binding protein GUF1, putative, expressed	Chr6	2367069	2372121	-	11	2553	5.51
LOC_Os03g57569.2	expressed protein	Chr3	32824996	32828545	-	2	1962	4.21
LOC_Os12g01930.1	lipase-related, putative, expressed	Chr12	555086	558636	-	9	2417	5.78
LOC_Os02g45090.2	expressed protein	Chr2	27352986	27357013	-	6	1730	7.46
LOC_Os05g25400.1	RNA binding protein, putative, expressed	Chr5	14770503	14773117	+	7	1544	4.78
LOC_Os01g57440.1	DNA repair metallo-beta-lactamase, putative, expressed	Chr1	33195328	33197885	-	4	1478	6.87
LOC_Os01g19150.2	CGMC_GSK.3 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed	Chr1	10822583	10827157	+	12	2741	4.35
LOC_Os11g02300.1	CPuORF36 - conserved peptide uORF-containing transcript, expressed	Chr11	654974	661236	-	3	3501	-8.28
LOC_Os03g59610.1	oxidoreductase, short chain dehydrogenase/reductase family protein, putative, expressed	Chr3	33938923	33941373	+	2	1358	4.23
LOC_Os05g30750.2	anthranilate phosphoribosyltransferase, putative, expressed	Chr5	17812073	17816465	+	4	3601	6.64
LOC_Os05g34920.1	expressed protein	Chr5	20748871	20752903	+	5	2193	6.82
LOC_Os01g56320.1	OsSub4 - Putative Subtilisin homologue, expressed	Chr1	32450869	32456576	+	10	3534	6.19
LOC_Os01g54530.1	hydrolase, acting on carbon-nitrogen, putative, expressed	Chr1	31362634	31365594	+	6	2043	5.59
LOC_Os05g30750.1	anthranilate phosphoribosyltransferase, putative, expressed	Chr5	17812076	17816465	+	4	3583	6.64
LOC_Os05g30750.3	anthranilate phosphoribosyltransferase, putative, expressed	Chr5	17812076	17816465	+	4	3576	6.64
LOC_Os01g19150.3	CGMC_GSK.3 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed	Chr1	10822583	10827157	+	12	2727	4.35
LOC_Os02g11940.2	sterol glucosyltransferase, putative, expressed	Chr2	6188722	6193629	+	14	2055	4.78
LOC_Os05g30750.6	anthranilate phosphoribosyltransferase, putative, expressed	Chr5	17812346	17816465	+	4	3525	6.64
LOC_Os11g11890.1	protein kinase domain containing protein, expressed	Chr11	6596374	6603010	+	12	2562	-5.12
LOC_Os04g34010.1	aluminum-activated malate transporter, putative, expressed	Chr4	20592808	20596141	-	6	1927	8.16
LOC_Os05g30750.5	anthranilate phosphoribosyltransferase, putative, expressed	Chr5	17812348	17816465	+	4	3512	6.64

LOC_Os06g20354.1	PPR repeat domain containing protein, putative, expressed	Chr6	11693031	11695278 +	3	1588	5.90
LOC_Os01g70840.2	esterase, putative, expressed	Chr1	41002434	41004063 -	4	1287	4.11
LOC_Os05g30750.4	anthranilate phosphoribosyltransferase, putative, expressed	Chr5	17812645	17816465 +	3	3482	6.64
LOC_Os05g30750.7	anthranilate phosphoribosyltransferase, putative, expressed	Chr5	17812623	17816465 +	4	3448	6.64
LOC_Os03g35326.1	retrotransposon protein, putative, unclassified, expressed	Chr3	19544495	19549096 +	3	2766	-6.54
LOC_Os05g35480.1	anthranilate phosphoribosyltransferase, putative, expressed	Chr5	21080988	21084058 -	1	3103	4.23
LOC_Os07g38600.1	REX1 DNA Repair family protein, expressed	Chr7	23185305	23186940 -	3	832	4.36
LOC_Os04g16878.1	uncharacterized protein ycf70, putative	Chr4	9181534	9181803 -	1	302	4.39
LOC_Os02g10470.1	EF hand family protein, putative, expressed	Chr2	5501165	5504381 +	5	1387	5.47
LOC_Os01g19150.4	CGMC_GSK.3 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed	Chr1	10822583	10827157 +	12	2693	4.35
LOC_Os05g28200.2	prenyltransferase, putative, expressed	Chr5	16512069	16517848 +	14	2127	6.30
LOC_Os08g43950.1	carrier, putative, expressed	Chr8	27686418	27687584 +	2	796	4.72
LOC_Os05g32210.1	NAD kinase, putative, expressed	Chr5	18779694	18786821 +	10	2184	4.86
LOC_Os01g19150.1	CGMC_GSK.3 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed	Chr1	10822583	10827157 +	13	2686	4.35
LOC_Os07g07950.2	type I inositol-1,4,5-trisphosphate 5-phosphatase, putative, expressed	Chr7	3991647	3996800 -	13	3384	6.14
LOC_Os03g43990.2	BTBN8 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 N	Chr3	24701063	24704597 -	3	2532	5.28
LOC_Os03g07110.1	calmodulin-binding protein, putative, expressed	Chr3	3630773	3635525 -	11	3286	5.33
LOC_Os11g46070.2	MLA10, putative, expressed	Chr11	27884617	27890896 +	4	3566	5.38
LOC_Os01g19150.5	CGMC_GSK.3 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed	Chr1	10822583	10827157 +	13	2682	4.35
LOC_Os07g07950.1	type I inositol-1,4,5-trisphosphate 5-phosphatase, putative, expressed	Chr7	3991610	3996800 -	14	3364	6.14
LOC_Os07g33180.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr7	19806523	19808767 +	3	648	3.36
LOC_Os12g08740.1	exonuclease, putative, expressed	Chr12	4469467	4475431 +	15	3067	5.55
LOC_Os04g58140.1	elongation factor Tu, putative, expressed	Chr4	34626345	34631340 -	12	2875	5.51
LOC_Os10g21298.1	cytochrome b559 subunit alpha, putative	Chr10	10869191	10869442 -	1	284	5.04
LOC_Os02g05390.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr2	2588321	2592402 -	6	1419	3.93
LOC_Os03g56830.1	ad-003, putative, expressed	Chr3	32379925	32383820 -	10	2447	4.39
LOC_Os01g47620.1	expressed protein	Chr1	27243443	27246045 -	3	1263	4.81
LOC_Os02g04330.1	5-AMP-activated protein kinase beta-1 subunit-related, putative, expressed	Chr2	1908981	1912809 +	9	1723	4.74
LOC_Os01g40420.3	CBS domain containing membrane protein, putative, expressed	Chr1	22820235	22823182 -	5	2352	4.79
LOC_Os09g35920.2	mediator of RNA polymerase II transcription subunit 10, putative, expressed	Chr9	20673834	20678640 -	7	2614	5.54
LOC_Os07g01540.1	Ser/Thr protein phosphatase family protein, putative, expressed	Chr7	335223	343722 -	16	4176	6.96
LOC_Os03g54063.1	expressed protein	Chr3	30994449	30996809 -	2	2338	7.35
LOC_Os06g05250.3	GTP-binding protein GUF1, putative, expressed	Chr6	2368985	2372121 -	8	2143	5.07
LOC_Os01g12090.1	ribosomal protein S6 family protein, putative, expressed	Chr1	6583822	6586889 +	4	749	5.82
LOC_Os02g46810.1	amino acid transporter, putative, expressed	Chr2	28574011	28574592 -	2	541	3.33
LOC_Os07g13980.1	glucose-1-phosphate adenylyltransferase large subunit, putative, expressed	Chr7	7982501	7989283 -	16	3265	4.92
LOC_Os06g03676.1	CAMK_CAMK_like.6 - CAMK includes calcium/calmodulin dependent protein kinases, expressed	Chr6	1438381	1445163 -	16	2527	4.07
LOC_Os01g48010.1	expressed protein	Chr1	27482806	27486965 +	2	1809	4.04
LOC_Os04g23890.3	AGC_PVPK_like_kin82y.10 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr4	13641585	13654855 -	23	4154	4.98
LOC_Os10g35090.1	Rf1, mitochondrial precursor, putative, expressed	Chr10	18718068	18722354 -	5	3854	3.94
LOC_Os12g22839.1	expressed protein	Chr12	12892693	12893547 +	1	887	3.68
LOC_Os02g35750.1	pentatricopeptide repeat domain containing protein, putative, expressed	Chr2	21471731	21473822 +	1	2124	5.99
LOC_Os12g01930.5	lipase-related, putative, expressed	Chr12	555086	558644 -	9	2414	5.77
LOC_Os07g46330.1	uncharacterized UPF0114 domain containing protein, expressed	Chr7	27630646	27633384 +	5	1538	4.19
LOC_Os04g38820.1	GRF zinc finger family protein	Chr4	23085980	23087964 -	4	962	3.56

LOC_Os12g29570.1	expressed protein	Chr12	17624459	17625315 +	3	720	4.23
LOC_Os02g16450.1	expressed protein	Chr2	9390823	9393829 -	2	2082	5.01
LOC_Os10g30550.1	tRNA methyltransferase, putative, expressed	Chr10	15884727	15893608 -	14	3016	6.23
LOC_Os03g08470.2	AP2 domain containing protein, expressed	Chr3	4348670	4350541 -	2	1827	-4.09
LOC_Os06g20310.4	expressed protein	Chr6	11669578	11673430 -	6	3085	3.77
LOC_Os01g69040.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr1	40115907	40121114 +	5	1434	6.58
LOC_Os02g42520.2	dehydrogenase, putative, expressed	Chr2	25565860	25569036 -	10	2040	-4.59
LOC_Os07g37810.1	STRUBBELIG-RECEPTOR FAMILY 1 precursor, putative, expressed	Chr7	22671412	22676749 -	18	3536	4.09
LOC_Os07g37810.2	STRUBBELIG-RECEPTOR FAMILY 1 precursor, putative, expressed	Chr7	22671412	22676749 -	18	3533	4.09
LOC_Os02g38750.1	expressed protein	Chr2	23417599	23418756 -	4	401	4.04
LOC_Os01g10504.1	OsMADS3 - MADS-box family gene with MIKcC type-box, expressed	Chr1	5560199	5568844 -	9	1475	4.90
LOC_Os03g62720.3	exosome complex exonuclease, putative, expressed	Chr3	35494059	35497784 +	6	1880	4.19
LOC_Os05g38260.1	retrotransposon protein, putative, unclassified, expressed	Chr5	22430406	22435175 -	4	4106	6.17
LOC_Os01g10504.3	OsMADS3 - MADS-box family gene with MIKcC type-box, expressed	Chr1	5560202	5568844 -	9	1476	4.90
LOC_Os12g07270.1	bile acid sodium symporter family protein, putative, expressed	Chr12	3573433	3576997 -	7	1683	6.56
LOC_Os03g56840.1	GTP-binding protein, putative, expressed	Chr3	32384812	32388231 -	11	2100	5.08
LOC_Os11g14525.1	expressed protein	Chr11	8158799	8159473 -	1	707	4.29
LOC_Os05g37160.1	tubulin/FtsZ domain containing protein, putative, expressed	Chr5	21711920	21715654 -	8	2255	3.69
LOC_Os01g67720.4	ABC1 family domain containing protein, putative, expressed	Chr1	39359392	39362884 -	7	1713	6.06
LOC_Os06g20440.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr6	11742656	11746429 -	9	1554	4.47
LOC_Os01g67520.2	VTC2, putative, expressed	Chr1	39244417	39247231 +	5	2601	6.25
LOC_Os03g62160.1	expressed protein	Chr3	35208499	35211351 -	8	1332	4.16
LOC_Os04g58140.2	elongation factor Tu, putative, expressed	Chr4	34626374	34631340 -	11	3374	5.49
LOC_Os01g33230.1	UDP-N-acetylglucosamine--N-acetylmuramyl-pyrophosphor yl-undecaprenol N-acetylglucosamin	Chr1	18298135	18303981 -	3	3263	4.60
LOC_Os11g46070.1	MLA10, putative, expressed	Chr11	27884593	27890936 +	4	3633	5.38
LOC_Os01g52780.1	HVA22, putative, expressed	Chr1	30363062	30370212 -	9	4737	6.38
LOC_Os07g14350.2	methyltransferase, putative, expressed	Chr7	8194024	8198873 +	6	1576	4.58
LOC_Os03g62160.2	expressed protein	Chr3	35208499	35211351 -	8	1335	4.16
LOC_Os03g60880.1	nucleobase-ascorbate transporter, putative, expressed	Chr3	34597354	34601212 -	14	2577	4.82
LOC_Os03g46750.1	GPI mannosyltransferase 1, putative, expressed	Chr3	26448826	26451482 +	4	1829	4.40
LOC_Os11g46070.3	MLA10, putative, expressed	Chr11	27884593	27890936 +	4	3636	5.38
LOC_Os10g37770.1	dehydration response related protein, putative, expressed	Chr10	20210953	20214287 -	6	2161	-7.06
LOC_Os02g02520.1	expressed protein	Chr2	896074	900377 +	12	1872	6.46
LOC_Os01g10280.4	phosphoribosylaminoimidazole carboxylase, chloroplast precursor, putative, expressed	Chr1	5406048	5412768 +	16	3203	5.40
LOC_Os06g01760.2	ligA, putative, expressed	Chr6	438684	441170 -	2	2133	-5.13
LOC_Os02g04420.1	expressed protein	Chr2	1946071	1949388 -	2	3253	4.68
LOC_Os06g49460.1	Rer1 protein, putative, expressed	Chr6	29967952	29970514 +	3	1325	5.95
LOC_Os03g08470.3	AP2 domain containing protein, expressed	Chr3	4348670	4350541 -	3	1772	-4.09
LOC_Os10g22730.3	expressed protein	Chr10	11807240	11813233 -	12	2645	6.46
LOC_Os05g35440.2	serine hydroxymethyltransferase, mitochondrial precursor, putative, expressed	Chr5	21049784	21054702 -	7	3164	5.27
LOC_Os12g41290.1	Spc97 / Spc98 family protein, putative, expressed	Chr12	25604984	25611580 +	17	3932	4.53
LOC_Os05g01300.1	expressed protein	Chr5	195354	197342 -	2	1487	4.66
LOC_Os11g12000.1	NBS-LRR disease resistance protein, putative, expressed	Chr11	6668507	6681159 +	3	3645	-5.26
LOC_Os11g04370.1	ribosomal protein L24, putative, expressed	Chr11	1813628	1816761 -	5	1087	4.76
LOC_Os04g41510.1	serine/threonine-protein kinase GCN2, putative, expressed	Chr4	24615554	24624651 +	18	3417	5.53

LOC_Os07g05084.1	expressed protein	Chr7	2243674	2245570 +	3	581	4.35
LOC_Os01g63710.3	CDC6 - Putative DNA replication initiation protein, expressed	Chr1	36951117	36956735 +	16	4257	4.38
LOC_Os04g49440.1	RNA recognition motif containing protein, putative, expressed	Chr4	29499367	29500598 +	3	1035	3.63
LOC_Os01g54900.1	lipid-A-disaccharide synthase family protein, expressed	Chr1	31568908	31575611 -	8	2903	5.72
LOC_Os12g28177.1	ATPase 3, putative, expressed	Chr12	16640803	16642694 +	1	1924	-8.95
LOC_Os02g04420.3	expressed protein	Chr2	1946073	1949419 -	3	3216	4.68
LOC_Os03g08470.1	AP2 domain containing protein, expressed	Chr3	4348671	4350541 -	3	1747	-4.09
LOC_Os01g50120.1	expressed protein	Chr1	28798874	28804461 +	6	3844	4.76
LOC_Os10g21230.1	ATP synthase C chain, putative, expressed	Chr10	10839098	10839789 +	2	711	3.39
LOC_Os03g56840.2	GTP-binding protein, putative, expressed	Chr3	32384812	32388231 -	10	2148	5.10
LOC_Os03g46310.1	expressed protein	Chr3	26193470	26196514 +	6	1160	5.27
LOC_Os03g47260.1	expressed protein	Chr3	26740661	26741589 +	1	961	3.59
LOC_Os04g22130.1	conserved hypothetical protein	Chr4	12545918	12546169 -	1	284	3.37
LOC_Os01g69040.2	zinc finger, C3HC4 type domain containing protein, expressed	Chr1	40115909	40121114 +	4	1482	6.58
LOC_Os07g12490.1	KH domain containing protein, putative, expressed	Chr7	7120719	7126458 +	7	1704	4.68
LOC_Os01g72900.1	abscisic stress-ripening, putative, expressed	Chr1	42281272	42281973 -	2	635	4.81
LOC_Os02g38494.1	protein phosphatase 2C, putative, expressed	Chr2	23279868	23285375 +	11	2057	6.47
LOC_Os05g38490.1	growth regulator related protein, putative, expressed	Chr5	22580337	22586442 +	11	2044	4.94
LOC_Os07g35985.1	expressed protein	Chr7	21524199	21528261 -	2	3218	5.30
LOC_Os12g28137.1	ATPase 3, putative, expressed	Chr12	16616739	16618725 +	1	2019	-8.95
LOC_Os10g22730.1	expressed protein	Chr10	11807240	11813233 -	11	2333	6.53
LOC_Os10g35570.1	expressed protein	Chr10	19028120	19033623 +	12	2175	5.03
LOC_Os01g12840.1	expressed protein	Chr1	7104273	7109141 -	5	3278	4.88
LOC_Os05g49220.1	GTP-binding protein, putative, expressed	Chr5	28243253	28244772 -	5	1256	4.08
LOC_Os06g05630.3	GDSL-like lipase/acylhydrolase, putative, expressed	Chr6	2546688	2549257 +	4	1987	4.25
LOC_Os11g14170.1	OsDegp12 - Putative Deg protease homologue, expressed	Chr11	7909213	7917123 +	10	2003	6.25
LOC_Os11g05394.2	nucampholin, putative, expressed	Chr11	2418477	2423365 -	9	3123	4.56
LOC_Os05g20914.2	expressed protein	Chr5	12293920	12297797 +	6	1373	5.77
LOC_Os09g24980.1	vesicle transport v-SNARE protein, putative, expressed	Chr9	14921682	14926306 -	5	1268	5.71
LOC_Os01g17170.1	magnesium-protoporphyrin IX monomethyl ester cyclase, chloroplast precursor, putative, expressed	Chr1	9874326	9876951 +	5	2171	4.28
LOC_Os11g29810.1	expressed protein	Chr11	17298810	17299535 +	1	758	4.48
LOC_Os01g39600.1	expressed protein	Chr1	22337346	22341478 -	4	3033	4.60
LOC_Os05g34550.1	MLO domain containing protein, putative, expressed	Chr5	20484912	20490183 -	13	2534	4.90
LOC_Os02g30800.1	POLE1 - Putative DNA polymerase epsilon catalytic subunit, expressed	Chr2	18348888	18370959 +	50	8461	5.08
LOC_Os10g02760.1	hydroxyproline-rich glycoprotein family protein, putative, expressed	Chr10	1085169	1089548 -	8	2621	5.69
LOC_Os04g11400.2	expressed protein	Chr4	6231633	6232479 -	2	793	-5.86
LOC_Os07g08880.3	ES43 protein, putative, expressed	Chr7	4606679	4614599 +	5	1361	5.44
LOC_Os10g02760.2	hydroxyproline-rich glycoprotein family protein, putative, expressed	Chr10	1085169	1089548 -	8	2618	5.69
LOC_Os07g12490.2	KH domain containing protein, putative, expressed	Chr7	7120954	7126458 +	6	1597	4.68
LOC_Os03g16080.1	mitochondrial carrier protein, putative, expressed	Chr3	8865964	8869220 +	7	1952	5.38
LOC_Os08g30020.6	membrane protein, putative, expressed	Chr8	18452698	18456676 +	8	1631	-7.15
LOC_Os05g34550.2	MLO domain containing protein, putative, expressed	Chr5	20484912	20490183 -	13	2542	4.90
LOC_Os03g60880.5	nucleobase-ascorbate transporter, putative, expressed	Chr3	34597354	34601212 -	13	2636	4.82
LOC_Os02g01710.1	peptidase family C78 domain containing protein, expressed	Chr2	391819	395803 +	7	3191	5.03
LOC_Os08g38320.2	AGC_PVPK_like_kin82y.14 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr8	24274676	24277516 +	3	2450	6.12

LOC_Os01g69030.1	sucrose-phosphate synthase, putative, expressed	Chr1	40101404	40107116 -	13	4155	6.53
LOC_Os03g60880.3	nucleobase-ascorbate transporter, putative, expressed	Chr3	34597354	34601212 -	13	2643	4.82
LOC_Os02g02560.1	UTP--glucose-1-phosphate uridylyltransferase, putative, expressed	Chr2	926031	929945 -	20	2423	4.80
LOC_Os08g19250.1	retrotransposon protein, putative, Ty1-copia subclass, expressed	Chr8	11512329	11518809 -	6	3300	5.63
LOC_Os02g30150.1	disease resistance protein, putative, expressed	Chr2	17910631	17915473 +	2	4387	5.10
LOC_Os12g42730.3	mov34/MPN/PAD-1 family protein, expressed	Chr12	26548383	26555964 +	13	2822	5.62
LOC_Os03g51510.2	ribosomal protein L6, putative, expressed	Chr3	29462922	29465818 +	2	1130	5.19
LOC_Os02g44740.1	expressed protein	Chr2	27105464	27110709 -	3	1821	4.06
LOC_Os06g05830.1	protein kinase domain containing protein, expressed	Chr6	2660850	2663464 -	2	2586	4.85
LOC_Os01g25600.2	tetratricopeptide repeat domain containing protein, expressed	Chr1	14507658	14513133 -	7	2388	5.18
LOC_Os11g05394.1	nucampholin, putative, expressed	Chr11	2418477	2423363 -	10	3059	4.56
LOC_Os04g06790.3	2-aminoethanethiol dioxygenase, putative, expressed	Chr4	3575300	3581634 -	6	1964	5.21
LOC_Os07g08880.2	ES43 protein, putative, expressed	Chr7	4606679	4614598 +	5	1376	5.44
LOC_Os08g35630.1	MTD1, putative, expressed	Chr8	22462394	22464896 +	2	1126	3.76
LOC_Os05g45310.1	ER lumen protein retaining receptor, putative, expressed	Chr5	26288908	26291990 -	6	1470	5.29
LOC_Os03g18210.1	basic helix-loop-helix, putative, expressed	Chr3	10212391	10215769 +	6	2732	4.48
LOC_Os04g33970.1	2-Cys peroxiredoxin BAS1, chloroplast precursor, putative, expressed	Chr4	20559966	20564907 +	7	1615	5.57
LOC_Os12g03500.2	expressed protein	Chr12	1387551	1391278 -	3	1251	4.48
LOC_Os06g36690.1	retrotransposon protein, putative, unclassified	Chr6	21576294	21576548 -	1	287	3.02
LOC_Os01g47820.1	S-locus-like receptor protein kinase, putative, expressed	Chr1	27375305	27377729 -	1	2457	5.03
LOC_Os08g30554.1	expressed protein	Chr8	18821265	18821963 +	1	731	3.57
LOC_Os12g30610.1	expressed protein	Chr12	18383645	18385743 +	1	2131	3.99
LOC_Os07g08880.1	ES43 protein, putative, expressed	Chr7	4606679	4614599 +	5	1380	5.44
LOC_Os06g03840.1	H-BTB4 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence,	Chr6	1544044	1546216 -	2	1911	4.57
LOC_Os04g33700.1	ABC transmembrane transporter domain containing protein, expressed	Chr4	20406006	20410406 -	10	2369	4.75
LOC_Os01g50032.1	expressed protein	Chr1	28740236	28744474 +	13	2009	7.56
LOC_Os03g51510.1	ribosomal protein L6, putative, expressed	Chr3	29462922	29465818 +	2	1138	5.19
LOC_Os10g41710.1	chaperonin, putative, expressed	Chr10	22453063	22456636 +	6	1096	5.33
LOC_Os12g42730.4	mov34/MPN/PAD-1 family protein, expressed	Chr12	26548383	26557618 +	14	2783	5.62
LOC_Os04g06790.2	2-aminoethanethiol dioxygenase, putative, expressed	Chr4	3575300	3581634 -	7	1903	5.21
LOC_Os04g33810.1	RNA recognition motif containing protein, putative, expressed	Chr4	20484158	20485720 +	4	1133	4.42
LOC_Os01g69030.3	sucrose-phosphate synthase, putative, expressed	Chr1	40101404	40107104 -	12	4185	6.53
LOC_Os01g50930.2	expressed protein	Chr1	29240064	29246877 -	3	943	3.81
LOC_Os01g72780.1	expressed protein	Chr1	42216976	42228070 +	18	4651	5.12
LOC_Os01g69030.4	sucrose-phosphate synthase, putative, expressed	Chr1	40101404	40107186 -	13	4187	6.53
LOC_Os11g05180.2	expressed protein	Chr11	2278737	2281615 +	3	2620	4.45
LOC_Os05g35274.5	RNA recognition motif containing protein, putative, expressed	Chr5	20949221	20951377 -	2	667	5.93
LOC_Os03g32526.1	tRNA-splicing endonuclease positive effector-related, putative, expressed	Chr3	18602727	18608700 -	20	3460	6.01
LOC_Os01g58290.1	OsSub9 - Putative Subtilisin homologue, expressed	Chr1	33691773	33696746 +	10	3092	4.73
LOC_Os06g27800.1	tm-1GCR237 protein, putative, expressed	Chr6	15738385	15744846 +	9	2935	4.15
LOC_Os05g28200.1	prenyltransferase, putative, expressed	Chr5	16512069	16517848 +	15	2222	6.32
LOC_Os08g38320.3	AGC_PVPK_like_kin82y.14 - ACG kinases include homologs to PKA, PKG and PKC, expressed	Chr8	24274360	24277516 +	3	2486	6.12
LOC_Os05g07900.1	mitochondrial carrier protein, putative, expressed	Chr5	4266371	4270255 +	4	2223	4.92
LOC_Os06g27800.2	tm-1GCR237 protein, putative, expressed	Chr6	15738394	15744794 +	10	2874	4.15
LOC_Os01g03040.1	expressed protein	Chr1	1160152	1164635 -	4	1177	5.41

LOC_Os07g42260.1	peptidase, T1 family, putative, expressed	Chr7	25289256	25293793 -	9	1950	6.16
LOC_Os02g51480.1	PPR repeat domain containing protein, putative, expressed	Chr2	31529599	31531859 +	2	1997	4.07
LOC_Os02g53360.1	expressed protein	Chr2	32666343	32668045 -	3	957	3.90
LOC_Os04g51794.2	DNA binding protein, putative, expressed	Chr4	30690623	30696691 -	11	2374	5.24
LOC_Os01g68480.1	thioredoxin, putative, expressed	Chr1	39794226	39795811 +	3	1366	5.26
LOC_Os04g44100.1	expressed protein	Chr4	26111637	26113913 +	2	1131	4.39
LOC_Os10g40920.1	pentatricopeptide, putative, expressed	Chr10	21983939	21987321 +	1	3415	5.72
LOC_Os02g42520.3	dehydrogenase, putative, expressed	Chr2	25565860	25569036 -	9	2091	-4.60
LOC_Os09g29660.1	white-brown complex homolog protein 11, putative, expressed	Chr9	18034121	18039233 +	8	2722	-6.08
LOC_Os01g69030.2	sucrose-phosphate synthase, putative, expressed	Chr1	40101404	40107186 -	13	4221	6.53
LOC_Os02g04330.2	5-AMP-activated protein kinase beta-1 subunit-related, putative, expressed	Chr2	1908973	1912809 +	10	1670	4.71
LOC_Os03g17920.3	RNA pseudouridine synthase, putative, expressed	Chr3	9981700	9986677 +	7	3440	5.56
LOC_Os10g42754.1	expressed protein	Chr10	23066471	23069754 -	6	1665	5.36
LOC_Os04g48170.1	cytochrome P450, putative, expressed	Chr4	28672747	28677225 -	9	2473	4.52
LOC_Os10g12480.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr10	6937004	6938958 +	4	1826	5.70
LOC_Os08g08140.1	receptor-like kinase, putative, expressed	Chr8	4631720	4638679 +	13	3713	5.10
LOC_Os08g26260.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr8	16008797	16011637 +	2	1448	3.88
LOC_Os12g42730.2	mov34/MPN/PAD-1 family protein, expressed	Chr12	26551391	26555881 +	10	2005	5.57
LOC_Os03g03860.2	expressed protein	Chr3	1737565	1741468 -	5	3113	4.01
LOC_Os06g12680.1	RING-H2 finger protein, putative, expressed	Chr6	6923215	6924997 -	1	1815	6.61
LOC_Os03g52130.1	expressed protein	Chr3	29931355	29932698 +	3	811	5.37
LOC_Os08g38910.4	caffeoyl-CoA O-methyltransferase, putative, expressed	Chr8	24592945	24594495 -	2	1531	5.66
LOC_Os01g73300.1	VAMP-like protein YKT62, putative, expressed	Chr1	42479663	42483372 -	6	1312	3.94
LOC_Os11g09460.1	expressed protein	Chr11	5073932	5074811 -	2	796	3.85
LOC_Os08g41850.1	expressed protein	Chr8	26430703	26432939 -	3	987	4.80
LOC_Os06g05010.1	early nodulin 93 ENOD93 protein, putative, expressed	Chr6	2208673	2209562 -	3	762	3.36
LOC_Os07g42490.1	sucrose synthase, putative, expressed	Chr7	25429639	25435182 +	16	3332	5.05
LOC_Os12g42730.1	mov34/MPN/PAD-1 family protein, expressed	Chr12	26551391	26555964 +	11	2285	5.62
LOC_Os03g33580.1	mitotic checkpoint protein, putative, expressed	Chr3	19183831	19191338 -	9	1917	4.92
LOC_Os09g09980.1	glucan endo-1,3-beta-glucosidase precursor, putative, expressed	Chr9	5430895	5433234 +	2	1907	5.80
LOC_Os02g55520.2	zinc finger, C3HC4 type domain containing protein, expressed	Chr2	33990620	33996854 -	6	2639	4.02
LOC_Os04g43430.3	pentatricopeptide, putative, expressed	Chr4	25703701	25707426 -	2	3660	4.83
LOC_Os03g52640.3	expressed protein	Chr3	30189341	30191568 -	5	1327	4.46
LOC_Os01g58290.4	OsSub9 - Putative Subtilisin homologue, expressed	Chr1	33691773	33696746 +	9	3160	4.73
LOC_Os06g08540.2	formin-like protein 13, putative, expressed	Chr6	4224295	4228006 +	4	2300	4.24
LOC_Os08g09210.2	phosphoribosylamine-glycine ligase, putative, expressed	Chr8	5341430	5345421 +	5	2475	6.43
LOC_Os04g41300.1	ribosome recycling factor, putative, expressed	Chr4	24505544	24508402 -	8	1450	4.72
LOC_Os09g24954.3	double-stranded RNA binding motif containing protein, expressed	Chr9	14896179	14901415 +	5	1108	5.70
LOC_Os12g36900.1	drought induced 19 protein, putative, expressed	Chr12	22616762	22622376 +	5	1721	6.10
LOC_Os06g22829.2	expressed protein	Chr6	13314442	13318310 -	4	1049	3.81
LOC_Os09g02130.1	expressed protein	Chr9	799487	806530 +	7	1557	5.94
LOC_Os03g06760.1	exocyst complex component 6, putative, expressed	Chr3	3435736	3439544 +	2	2953	4.49
LOC_Os11g43510.1	lipase precursor, putative, expressed	Chr11	26263726	26267156 +	10	1751	3.97
LOC_Os04g42880.1	WD domain, G-beta repeat domain containing protein, expressed	Chr4	25374638	25376829 +	2	1619	6.21
LOC_Os08g09210.1	phosphoribosylamine-glycine ligase, putative, expressed	Chr8	5341430	5345421 +	5	2480	6.43

LOC_Os03g48170.1	5-AMP-activated protein kinase-related, putative, expressed	Chr3	27408274	27413242 +	9	2355	5.26
LOC_Os09g36750.2	L-ascorbate peroxidase 4, putative, expressed	Chr9	21199731	21202763 -	5	996	5.23
LOC_Os01g51210.1	uncharacterized protein PA4923, putative, expressed	Chr1	29437276	29439882 -	7	1388	3.96
LOC_Os01g40420.1	CBS domain containing membrane protein, putative, expressed	Chr1	22820235	22823182 -	6	2056	4.79
LOC_Os03g52630.1	endoglucanase, putative, expressed	Chr3	30181636	30185153 -	6	2738	-3.32
LOC_Os06g23040.1	expressed protein	Chr6	13440852	13442506 +	4	794	3.53
LOC_Os01g14870.1	zinc finger matrin-type protein 5, putative, expressed	Chr1	8334519	8338574 +	5	1883	4.90
LOC_Os04g58380.1	expressed protein	Chr4	34733596	34736093 -	5	1106	4.10
LOC_Os09g28480.1	expressed protein	Chr9	17324424	17329001 +	3	2736	5.67
LOC_Os05g07900.2	mitochondrial carrier protein, putative, expressed	Chr5	4266371	4270238 +	4	2303	4.92
LOC_Os07g33210.1	expressed protein	Chr7	19838576	19842588 +	8	1795	4.63
LOC_Os06g01760.1	ligA, putative, expressed	Chr6	438684	441553 -	2	2287	-5.06
LOC_Os06g30480.1	expressed protein	Chr6	17617357	17618966 -	2	1475	-4.24
LOC_Os03g62040.1	retrotransposon protein, putative, unclassified, expressed	Chr3	35150338	35153150 +	3	2646	5.09
LOC_Os06g27540.1	retrotransposon protein, putative, unclassified, expressed	Chr6	15589924	15594920 +	7	3434	5.09
LOC_Os06g05010.2	early nodulin 93 ENOD93 protein, putative, expressed	Chr6	2208721	2209561 -	2	791	3.36
LOC_Os01g49340.1	arginine/serine-rich coiled-coil protein 1, putative, expressed	Chr1	28367976	28370532 -	6	1588	5.43
LOC_Os08g30440.1	expressed protein	Chr8	18735538	18738618 -	5	877	3.81
LOC_Os02g36960.2	choline transporter-related, putative, expressed	Chr2	22327984	22331805 -	5	1742	4.15
LOC_Os01g53200.1	flavin monooxygenase, putative, expressed	Chr1	30561145	30564493 +	4	2155	5.64
LOC_Os02g04260.1	expressed protein	Chr2	1878983	1882476 -	6	1754	5.21
LOC_Os10g21460.1	expressed protein	Chr10	10988248	10992677 +	7	1736	4.56
LOC_Os07g28260.4	expressed protein	Chr7	16512509	16521416 +	17	5897	4.00
LOC_Os06g45140.3	bZIP transcription factor domain containing protein, expressed	Chr6	27299914	27302140 -	5	1590	6.06
LOC_Os05g08950.1	phosphoribosyl transferase, putative, expressed	Chr5	4947678	4951874 -	3	1257	4.25
LOC_Os02g51404.1	expressed protein	Chr2	31483913	31484499 -	1	619	3.48
LOC_Os10g35800.1	expressed protein	Chr10	19146523	19148586 +	2	2033	6.89
LOC_Os08g21330.3	formamidopyrimidine-DNA glycosylase, putative, expressed	Chr8	12710873	12719471 +	9	2381	5.37
LOC_Os09g07020.1	oxidoreductase, putative, expressed	Chr9	3404354	3408176 -	12	1983	5.20
LOC_Os09g07020.2	oxidoreductase, putative, expressed	Chr9	3404354	3408176 -	12	1980	5.20
LOC_Os04g44810.1	syntaxin-18, putative, expressed	Chr4	26528479	26531710 +	7	1579	4.30
LOC_Os01g59100.1	cytokinin-N-glucoyltransferase 1, putative, expressed	Chr1	34141403	34145203 +	2	2136	4.98
LOC_Os02g02770.1	PPR repeat domain containing protein, putative, expressed	Chr2	1047595	1050120 -	2	2490	6.07
LOC_Os01g05940.1	receptor kinase, putative, expressed	Chr1	2830325	2836425 +	8	4489	5.74
LOC_Os03g38500.1	expressed protein	Chr3	21371243	21375804 +	4	792	5.31
LOC_Os01g33514.3	expressed protein	Chr1	18446990	18448953 +	3	1137	4.62
LOC_Os01g65660.1	amino acid transporter, putative, expressed	Chr1	38117301	38120760 -	6	2661	3.73
LOC_Os02g12480.6	expressed protein	Chr2	6508832	6513830 -	2	3565	-4.25
LOC_Os02g48390.1	phosphoribosyl transferase, putative, expressed	Chr2	29625456	29628118 +	6	2017	-3.99
LOC_Os02g01110.1	translation initiation factor IF-3, putative, expressed	Chr2	59280	64726 +	8	2311	4.05
LOC_Os04g50208.2	phosphoenolpyruvate carboxykinase, putative, expressed	Chr4	29969234	29972696 -	9	2227	6.79
LOC_Os02g35750.3	pentatricopeptide repeat domain containing protein, putative, expressed	Chr2	21472360	21475633 +	3	1733	6.38
LOC_Os03g02840.1	remorin family protein, putative, expressed	Chr3	1109242	1113045 -	6	1774	3.60
LOC_Os07g37010.1	cyclin, putative, expressed	Chr7	22169511	22171932 -	6	1852	3.83
LOC_Os04g51794.1	DNA binding protein, putative, expressed	Chr4	30690623	30696691 -	10	2548	5.28

LOC_Os06g29790.1	phosphate transporter 1, putative, expressed	Chr6	17130053	17134973 +	14	3384	4.68
LOC_Os07g10300.3	expressed protein	Chr7	5521609	5526698 +	7	2020	5.42
LOC_Os01g13530.1	ABIL2, putative, expressed	Chr1	7557172	7560626 +	9	2026	4.70
LOC_Os02g55520.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr2	33990620	33996854 -	6	2663	4.05
LOC_Os10g36670.1	expressed protein	Chr10	19615205	19616026 +	1	854	3.42
LOC_Os04g49560.1	zinc finger family protein, putative, expressed	Chr4	29556866	29563246 -	10	2519	4.35
LOC_Os09g24954.2	double-stranded RNA binding motif containing protein, expressed	Chr9	14896175	14901415 +	5	1166	5.70
LOC_Os04g55650.2	oryzain alpha chain precursor, putative, expressed	Chr4	33123071	33126988 -	4	2253	-3.71
LOC_Os01g58290.2	OsSub9 - Putative Subtilisin homologue, expressed	Chr1	33691773	33696746 +	8	3240	4.73
LOC_Os01g65660.2	amino acid transporter, putative, expressed	Chr1	38117355	38119842 -	4	2223	3.73
LOC_Os03g02840.4	remorin family protein, putative, expressed	Chr3	1109242	1112730 -	6	1722	3.60
LOC_Os07g06990.1	expressed protein	Chr7	3444957	3446867 +	2	1111	-3.34
LOC_Os04g58190.1	dof zinc finger domain containing protein, putative, expressed	Chr4	34655221	34656922 -	2	1442	3.96
LOC_Os03g44710.2	YABBY domain containing protein, putative, expressed	Chr3	25197057	25206961 +	7	1325	3.79
LOC_Os04g55650.1	oryzain alpha chain precursor, putative, expressed	Chr4	33123071	33126988 -	5	2189	-3.71
LOC_Os01g46570.2	CTP synthase, putative, expressed	Chr1	26514543	26521116 +	20	2879	5.01
LOC_Os05g19270.1	MSH-like DNA mismatch repair protein, putative, expressed	Chr5	11189415	11198075 +	13	3807	5.70
LOC_Os07g25050.1	thionin-like peptide, putative, expressed	Chr7	14292224	14292742 +	2	352	-8.58
LOC_Os08g42730.1	radical SAM enzyme, putative, expressed	Chr8	27034929	27038859 +	6	1718	4.71
LOC_Os03g61600.1	phosphoribosylformylglycinamide synthase, putative, expressed	Chr3	34923862	34926706 -	8	1825	4.86
LOC_Os10g20020.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr10	10038518	10045242 +	3	5454	4.21
LOC_Os08g21330.1	formamidopyrimidine-DNA glycosylase, putative, expressed	Chr8	12710873	12719471 +	10	2473	5.38
LOC_Os03g10820.1	expressed protein	Chr3	5547033	5551372 +	6	2017	4.04
LOC_Os12g07880.1	dynamamin family protein, putative, expressed	Chr12	3986789	3994498 -	17	3156	5.18
LOC_Os04g38640.2	OsDegp5 - Putative Deg protease homologue, expressed	Chr4	22954845	22960460 +	13	2102	4.81
LOC_Os01g51210.2	uncharacterized protein PA4923, putative, expressed	Chr1	29437276	29439881 -	6	1456	3.96
LOC_Os09g36750.1	L-ascorbate peroxidase 4, putative, expressed	Chr9	21199731	21202763 -	6	947	5.19
LOC_Os05g20510.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr5	12035180	12041894 +	3	5478	3.88
LOC_Os01g10280.2	phosphoribosylaminoimidazole carboxylase, chloroplast precursor, putative, expressed	Chr1	5406048	5412531 +	16	2679	4.69
LOC_Os03g28300.1	protein kinase domain containing protein, expressed	Chr3	16282710	16290482 +	8	3506	-6.36
LOC_Os05g30810.1	expressed protein	Chr5	17880779	17882248 -	3	832	6.38
LOC_Os05g14500.1	expressed protein	Chr5	8195720	8198339 +	4	2453	3.02
LOC_Os05g30810.2	expressed protein	Chr5	17880781	17882248 -	3	834	6.38
LOC_Os10g19970.1	expressed protein	Chr10	10022541	10023354 +	1	846	3.57
LOC_Os01g65400.3	DNA polymerase I, putative, expressed	Chr1	37955093	37958989 -	6	3240	7.05
LOC_Os07g11070.1	DUF630/DUF632 domains containing protein, putative, expressed	Chr7	6117818	6121772 -	4	2752	5.25
LOC_Os11g07124.1	EFR, putative, expressed	Chr11	3548134	3552354 +	6	3291	4.33
LOC_Os08g02670.1	ATP binding protein, putative, expressed	Chr8	1111277	1115786 +	6	3076	5.84
LOC_Os07g10300.1	expressed protein	Chr7	5521609	5526698 +	8	1912	5.42
LOC_Os06g37080.1	L-ascorbate oxidase precursor, putative, expressed	Chr6	21893247	21898264 +	5	2273	4.82
LOC_Os03g51510.3	ribosomal protein L6, putative, expressed	Chr3	29462922	29465818 +	3	1241	5.22
LOC_Os10g35470.1	oxidoreductase, putative, expressed	Chr10	18981326	18985212 +	8	1667	5.59
LOC_Os12g10184.1	pentatricopeptide, putative, expressed	Chr12	5384958	5387143 +	1	2218	4.69
LOC_Os01g33514.2	expressed protein	Chr1	18446990	18448953 +	3	1099	4.57
LOC_Os07g09720.1	phosphoacetylglucosamine mutase, putative, expressed	Chr7	5179086	5182752 -	8	2260	4.10

LOC_Os06g05250.1	GTP-binding protein GUF1, putative, expressed	Chr6	2366602	2372121	-	12	2964	5.66
LOC_Os11g41140.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr11	24648047	24651797	+	5	1738	-2.96
LOC_Os03g20460.1	guanylate kinase, putative, expressed	Chr3	11595453	11599060	+	4	1475	6.39
LOC_Os03g011150.2	palmitoyl-protein thioesterase 1 precursor, putative, expressed	Chr3	106528	110545	+	12	1637	-4.54
LOC_Os04g59340.1	RNA-binding region RNP-1, putative, expressed	Chr4	35280662	35282692	+	3	1601	4.68
LOC_Os01g61044.2	transmembrane amino acid transporter protein, putative, expressed	Chr1	35320780	35327164	-	5	1972	5.51
LOC_Os11g34690.1	expressed protein	Chr11	20321331	20326421	+	9	3254	6.66
LOC_Os11g37774.1	stripe rust resistance protein Yr10, putative, expressed	Chr11	22351283	22356398	+	5	3154	-4.69
LOC_Os05g43576.1	radical SAM enzyme, putative, expressed	Chr5	25343800	25346261	+	7	1703	6.14
LOC_Os05g04914.1	expressed protein	Chr5	2363742	2371823	-	5	2983	4.87
LOC_Os05g48220.2	60S ribosomal protein L35a-3, putative, expressed	Chr5	27640670	27641646	+	3	841	4.66
LOC_Os01g73450.1	amino acid kinase, putative, expressed	Chr1	42562817	42566993	+	7	1613	4.53
LOC_Os01g40590.1	tyrosine protein kinase domain containing protein, putative, expressed	Chr1	22918453	22923870	+	6	2821	5.34
LOC_Os03g53530.1	WD domain, G-beta repeat domain containing protein, expressed	Chr3	30701238	30704661	-	10	2038	4.74
LOC_Os09g19280.1	retrotransposon protein, putative, unclassified, expressed	Chr9	11540747	11543436	-	3	1536	-5.93
LOC_Os05g43530.1	CSLC7 - cellulose synthase-like family C, expressed	Chr5	25300749	25304668	-	5	2811	6.06
LOC_Os04g16940.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr4	9262696	9265370	-	5	1924	4.62
LOC_Os03g011150.1	palmitoyl-protein thioesterase 1 precursor, putative, expressed	Chr3	106514	110545	+	12	1675	-4.54
LOC_Os06g09090.1	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4571088	4574911	-	5	2177	6.85
LOC_Os01g55020.4	expressed protein	Chr1	31635565	31638417	+	3	980	4.02
LOC_Os08g40919.2	expressed protein	Chr8	25889494	25893900	+	3	2953	5.23
LOC_Os06g06760.3	protein kinase, putative, expressed	Chr6	3175775	3181762	-	10	3335	5.11
LOC_Os02g37850.2	expressed protein	Chr2	22866024	22870108	+	3	1500	5.41
LOC_Os02g53500.2	RFC5 - Putative clamp loader of PCNA, replication factor C subunit 5, expressed	Chr2	32722940	32727558	-	9	2251	5.44
LOC_Os03g61220.1	DEAD-box ATP-dependent RNA helicase 3, putative, expressed	Chr3	34765939	34772346	+	10	3170	6.62
LOC_Os03g61220.2	DEAD-box ATP-dependent RNA helicase 3, putative, expressed	Chr3	34765939	34772346	+	10	3167	6.62
LOC_Os06g11910.1	expressed protein	Chr6	6344013	6347676	-	6	2543	4.55
LOC_Os12g09000.1	phosphomethylpyrimidine kinase/thiamin-phosphate pyrophosphorylase, putative, expressed	Chr12	4706847	4711336	+	9	2354	4.43
LOC_Os06g06280.1	galactosyltransferase family protein, putative, expressed	Chr6	2902268	2907304	+	7	1769	3.41
LOC_Os09g32250.2	DNA repair ATPase-related, putative, expressed	Chr9	19244915	19249815	+	14	2158	5.53
LOC_Os12g09000.2	phosphomethylpyrimidine kinase/thiamin-phosphate pyrophosphorylase, putative, expressed	Chr12	4706847	4711336	+	9	2358	4.43
LOC_Os04g33490.1	neutral/alkaline invertase, putative, expressed	Chr4	20256137	20259317	+	6	2357	4.77
LOC_Os01g17170.2	magnesium-protoporphyrin IX monomethyl ester cyclase, chloroplast precursor, putative, expressed	Chr1	9874326	9876951	+	3	2431	4.28
LOC_Os01g22660.1	GDSL-like lipase/acylhydrolase, putative, expressed	Chr1	12742056	12746046	+	5	2148	5.82
LOC_Os10g35940.1	folylpolyglutamate synthetase, putative, expressed	Chr10	19201521	19206783	-	15	2612	6.05
LOC_Os03g08640.1	ORC2 - Putative origin recognition complex subunit 2, expressed	Chr3	4446710	4449163	-	7	1670	4.25
LOC_Os06g13860.2	RCD1, putative, expressed	Chr6	7698401	7703820	+	8	3024	5.07
LOC_Os05g34550.3	MLO domain containing protein, putative, expressed	Chr5	20484912	20490183	-	10	3339	4.93
LOC_Os03g02570.1	dihydrodipicolinate reductase, putative, expressed	Chr3	950273	952602	-	9	1185	4.53
LOC_Os06g09090.3	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4571088	4574927	-	5	2158	6.84
LOC_Os02g24626.1	uncharacterized protein ycf70, putative	Chr2	14282189	14282458	+	1	302	4.13
LOC_Os01g61910.1	KIP1, putative, expressed	Chr1	35832966	35836375	-	2	3215	6.97
LOC_Os11g25040.1	plant-specific domain TIGR01615 family protein, expressed	Chr11	14267737	14268968	+	1	1264	7.38
LOC_Os05g01590.1	heat shock protein DnaJ, putative, expressed	Chr5	351640	354043	+	6	1196	4.45
LOC_Os09g23720.1	expressed protein	Chr9	14095779	14099966	+	9	1904	3.83

LOC_Os09g36760.1	DUF630/DUF632 domains containing protein, putative, expressed	Chr9	21208855	21213168	+	4	2469	4.20
LOC_Os03g20460.2	guanylate kinase, putative, expressed	Chr3	11595454	11599057	+	3	1539	6.39
LOC_Os03g48320.1	disease resistance RPP13-like protein 1, putative, expressed	Chr3	27517616	27521492	-	2	3604	6.02
LOC_Os06g06280.2	galactosyltransferase family protein, putative, expressed	Chr6	2902283	2907306	+	8	1725	3.41
LOC_Os07g14540.1	vesicle-associated membrane protein, putative, expressed	Chr7	8287836	8291216	+	5	1406	5.43
LOC_Os03g08530.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr3	4384011	4389386	-	14	2662	4.29
LOC_Os11g02830.1	protein kinase domain containing protein, expressed	Chr11	947548	952356	-	6	2116	4.82
LOC_Os04g57310.1	thiol-disulphide oxidoreductase DCC, putative, expressed	Chr4	34119501	34123601	+	8	1750	6.07
LOC_Os11g02830.2	protein kinase domain containing protein, expressed	Chr11	947548	952356	-	6	2111	4.82
LOC_Os11g05180.3	expressed protein	Chr11	2278748	2281615	+	4	1909	4.85
LOC_Os04g10100.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr4	5450286	5457011	-	3	5511	3.94
LOC_Os12g35380.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr12	21512089	21515656	+	9	2355	4.17
LOC_Os04g57310.2	thiol-disulphide oxidoreductase DCC, putative, expressed	Chr4	34119501	34123601	+	8	1746	6.07
LOC_Os02g14720.1	expressed protein	Chr2	8114961	8121925	+	8	2618	4.83
LOC_Os07g41180.1	RNA-binding protein-like, putative, expressed	Chr7	24654813	24659848	-	10	2566	5.65
LOC_Os01g16430.1	cysteine proteinase inhibitor precursor protein, putative, expressed	Chr1	9325545	9329334	-	4	1380	6.11
LOC_Os01g43230.1	expressed protein	Chr1	24695808	24697913	-	2	1616	4.77
LOC_Os02g14720.2	expressed protein	Chr2	8114961	8121925	+	8	2612	4.83
LOC_Os02g55300.1	CAF1 family ribonuclease containing protein, putative, expressed	Chr2	33854163	33857048	+	1	2918	4.93
LOC_Os07g31690.1	retrotransposon protein, putative, unclassified, expressed	Chr7	18814660	18818135	+	3	2582	3.80
LOC_Os05g31520.1	expressed protein	Chr5	18334338	18337704	-	6	852	3.60
LOC_Os04g38640.1	OsDegp5 - Putative Deg protease homologue, expressed	Chr4	22954845	22960460	+	13	2113	4.83
LOC_Os07g10300.2	expressed protein	Chr7	5521609	5526698	+	9	1831	5.42
LOC_Os06g42540.2	expressed protein	Chr6	25583151	25585089	+	3	1759	3.93
LOC_Os01g56400.1	ABC transporter, ATP-binding protein, putative, expressed	Chr1	32513693	32517028	-	5	1198	3.59
LOC_Os01g58680.1	apurinic endonuclease-redox protein, putative, expressed	Chr1	33919393	33924664	+	12	2396	5.72
LOC_Os03g44710.3	YABBY domain containing protein, putative, expressed	Chr3	25197057	25206961	+	4	1273	3.69
LOC_Os01g40420.2	CBS domain containing membrane protein, putative, expressed	Chr1	22820220	22823182	-	4	2760	5.02
LOC_Os05g07040.1	PHD finger protein, putative, expressed	Chr5	3697729	3702359	-	5	1454	4.70
LOC_Os05g45830.1	expressed protein	Chr5	26544658	26552137	-	11	3410	6.39
LOC_Os04g39970.1	vacuolar sorting protein 9 domain-containing protein, putative, expressed	Chr4	23790789	23792871	-	2	1193	5.32
LOC_Os08g03430.1	extracellular ligand-gated ion channel, putative, expressed	Chr8	1606299	1609518	+	4	2065	3.99
LOC_Os01g50930.1	expressed protein	Chr1	29240064	29246843	+	4	1293	4.79
LOC_Os11g19460.1	haloacid dehalogenase-like hydrolase family protein, putative, expressed	Chr11	11202372	11207388	+	7	1886	5.67
LOC_Os07g30220.1	expressed protein	Chr7	17851168	17854470	-	5	1372	4.37
LOC_Os12g08200.1	expressed protein	Chr12	4188947	4190011	+	1	1097	3.98
LOC_Os03g08640.2	ORC2 - Putative origin recognition complex subunit 2, expressed	Chr3	4446710	4449163	-	6	1713	4.25
LOC_Os09g24954.1	double-stranded RNA binding motif containing protein, expressed	Chr9	14896147	14901415	+	4	1304	5.70
LOC_Os11g08330.1	POLD1 - Putative DNA polymerase delta catalytic subunit, expressed	Chr11	4387460	4397808	-	30	4700	5.28
LOC_Os02g31074.1	expressed protein	Chr2	18569765	18573161	-	2	2901	5.90
LOC_Os10g36270.1	disease resistance RPP13-like protein 1, putative, expressed	Chr10	19389025	19396741	+	3	4663	4.92
LOC_Os11g06440.1	expressed protein	Chr11	3110576	3112430	+	1	1887	4.96
LOC_Os03g47610.1	thiamine biosynthesis protein thiC, putative, expressed	Chr3	26952048	26957733	+	6	2425	7.46
LOC_Os11g44430.1	protein kinase, putative, expressed	Chr11	26877874	26880047	-	2	1887	-8.71
LOC_Os04g58630.3	DNA mismatch repair protein MSH3, putative, expressed	Chr4	34873439	34877172	-	6	2367	4.21

LOC_Os02g35890.1	expressed protein	Chr2	21561848	21563276 -	3	858	4.82
LOC_Os03g16874.2	expressed protein	Chr3	9375951	9377728 +	4	931	3.96
LOC_Os03g13450.1	expressed protein	Chr3	7274601	7277976 +	2	1623	3.92
LOC_Os05g17000.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr5	9697538	9704261 +	4	5072	4.01
LOC_Os08g29854.1	RGH1A, putative, expressed	Chr8	18345865	18359037 +	5	3693	5.39
LOC_Os02g15230.1	GDSL-like lipase/acylhydrolase, putative, expressed	Chr2	8501442	8504977 +	5	2023	-5.48
LOC_Os07g27430.1	expressed protein	Chr7	15982511	15984088 +	2	724	3.34
LOC_Os06g09090.4	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4571088	4574911 -	6	2278	6.85
LOC_Os01g31020.1	retrotransposon protein, putative, unclassified, expressed	Chr1	16961290	16973754 +	15	3880	-7.43
LOC_Os02g58030.1	leucine-rich repeat-containing protein 40, putative, expressed	Chr2	35526587	35533091 -	21	2983	5.76
LOC_Os03g09090.1	expressed protein	Chr3	4720645	4724099 -	8	2088	6.51
LOC_Os04g28820.1	retrotransposon protein, putative, unclassified, expressed	Chr4	17063617	17070532 -	7	6473	7.28
LOC_Os05g44330.4	DJ-1 family protein, putative, expressed	Chr5	25796297	25800798 +	5	1416	5.19
LOC_Os01g67870.1	expressed protein	Chr1	39437967	39442873 -	14	2412	4.55
LOC_Os06g09090.2	glutamate receptor 2.8 precursor, putative, expressed	Chr6	4571088	4574911 -	6	2243	6.84
LOC_Os11g10070.1	transcriptional corepressor SEUSS, putative, expressed	Chr11	5420328	5427177 +	11	3148	-3.45
LOC_Os08g16600.1	WD-40 repeat protein family, putative, expressed	Chr8	10152071	10156811 +	5	1792	5.91
LOC_Os04g57870.1	expressed protein	Chr4	34457067	34463775 -	7	4346	4.53
LOC_Os07g33610.1	cytochrome P450, putative, expressed	Chr7	20077861	20081621 +	6	2233	-5.95
LOC_Os03g08430.1	SAC domain containing protein, putative, expressed	Chr3	4327386	4336225 +	16	4640	-2.51
LOC_Os03g08430.2	SAC domain containing protein, putative, expressed	Chr3	4327386	4336225 +	16	4637	-2.51
LOC_Os07g23110.1	poly synthetase 1, putative, expressed	Chr7	13026440	13037161 +	20	3976	6.25
LOC_Os05g08854.1	expressed protein	Chr5	4886631	4890243 -	5	1912	3.94
LOC_Os01g39600.2	expressed protein	Chr1	22337346	22341545 -	3	3620	4.75
LOC_Os08g24000.1	retrotransposon protein, putative, unclassified, expressed	Chr8	14519023	14520861 +	4	995	5.10
LOC_Os05g44380.1	MPPN domain containing protein, expressed	Chr5	25820352	25822805 -	3	1789	6.00
LOC_Os02g55010.1	expressed protein	Chr2	33700414	33706335 +	7	3996	4.06
LOC_Os08g37140.1	phosphoglycerate mutase, putative, expressed	Chr8	23468743	23472607 -	6	1416	4.81
LOC_Os10g32410.1	retrotransposon protein, putative, unclassified, expressed	Chr10	16993927	16994995 +	3	789	3.33
LOC_Os05g10590.1	expressed protein	Chr5	5763848	5767415 +	3	2148	5.49
LOC_Os03g44710.1	YABBY domain containing protein, putative, expressed	Chr3	25197057	25206961 +	6	1462	3.79
LOC_Os07g28460.1	transposon protein, putative, unclassified, expressed	Chr7	16650377	16657246 +	7	1627	7.06
LOC_Os02g38350.3	Regulator of chromosome condensation domain containing protein, expressed	Chr2	23183102	23186461 -	6	2430	5.30
LOC_Os01g63220.2	kinase, pfkB family, putative, expressed	Chr1	36640943	36647156 +	4	2486	4.54
LOC_Os06g05600.1	OsFBDUF31 - F-box and DUF domain containing protein, expressed	Chr6	2535324	2537022 +	1	1731	4.41
LOC_Os05g09716.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr5	5491367	5495289 +	8	2146	3.41
LOC_Os03g54091.1	OsTOP6A1 - Topoisomerase 6 subunit A homolog 1, expressed	Chr3	31009978	31013940 +	15	1879	5.86
LOC_Os03g61850.1	transposon protein, putative, unclassified, expressed	Chr3	35065657	35068512 -	5	2680	6.54
LOC_Os05g01060.2	expressed protein	Chr5	75185	83483 -	16	2911	4.95
LOC_Os12g24240.1	expressed protein	Chr12	13812070	13815456 +	4	687	4.88
LOC_Os06g23220.1	GRF zinc finger family protein, expressed	Chr6	13557094	13559144 -	4	983	3.42
LOC_Os07g37010.2	cyclin, putative, expressed	Chr7	22169511	22171723 -	6	1634	3.83
LOC_Os04g02140.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr4	706797	711491 -	14	2406	5.47
LOC_Os05g32140.1	NAD dependent epimerase/dehydratase family protein, putative, expressed	Chr5	18738597	18741960 +	3	2386	4.61
LOC_Os11g41540.4	disease resistance RPP8-like protein 3, putative, expressed	Chr11	24911501	24917044 +	5	3352	5.80

LOC_Os04g43420.1	PTAC5, putative, expressed	Chr4	25700861	25703587	+	6	2086	5.37
LOC_Os03g10334.1	expressed protein	Chr3	5271246	5272333	+	3	920	5.65
LOC_Os05g01060.1	expressed protein	Chr5	75185	83483	-	21	3446	5.33
LOC_Os01g01610.1	IscA-like iron-sulfur assembly protein, mitochondrial precursor, putative, expressed	Chr1	306869	308842	-	4	965	3.85
LOC_Os10g03690.1	OsFBX346 - F-box domain containing protein, expressed	Chr10	1656604	1659692	-	4	2002	5.86
LOC_Os07g10120.1	expressed protein	Chr7	5431553	5436179	+	10	1966	6.31
LOC_Os01g04990.2	mitochondrial carrier protein, putative, expressed	Chr1	2349919	2353502	-	7	1686	5.83
LOC_Os04g01490.2	zinc finger, C3HC4 type, domain containing protein, expressed	Chr4	333687	337087	+	8	2224	-4.93
LOC_Os10g39810.1	fatty acid hydroxylase, putative, expressed	Chr10	21308453	21311416	+	5	1478	4.36
LOC_Os06g49450.3	expressed protein	Chr6	29961036	29967489	+	10	2487	4.27
LOC_Os03g51470.1	expressed protein	Chr3	29451096	29453625	-	2	948	5.75
LOC_Os12g40150.1	expressed protein	Chr12	24826746	24828462	-	4	647	3.16
LOC_Os01g37210.1	expressed protein	Chr1	20783355	20785479	-	2	1742	4.75
LOC_Os04g01490.1	zinc finger, C3HC4 type, domain containing protein, expressed	Chr4	333972	337060	+	8	2248	-4.93
LOC_Os03g47540.1	expressed protein	Chr3	26882047	26885258	+	4	1190	3.81
LOC_Os04g43430.1	pentatricopeptide, putative, expressed	Chr4	25702074	25707506	-	4	4650	5.27
LOC_Os11g18990.1	histidine triad family protein, putative, expressed	Chr11	10825631	10831933	+	7	1461	5.42
LOC_Os01g16090.1	RNA binding protein, putative, expressed	Chr1	9063968	9066787	-	2	1959	5.82
LOC_Os01g08510.1	MAR-binding filament-like protein 1, putative, expressed	Chr1	4208553	4213302	-	3	2813	5.08
LOC_Os08g30980.1	expressed protein	Chr8	19124432	19127727	+	5	913	3.89
LOC_Os11g41540.3	disease resistance RPP8-like protein 3, putative, expressed	Chr11	24911501	24917044	+	5	3379	5.81
LOC_Os03g62490.1	prohibitin-2, putative, expressed	Chr3	35382689	35385192	-	5	1634	4.61
LOC_Os01g39840.2	expressed protein	Chr1	22471886	22474413	-	2	2352	4.79
LOC_Os02g01710.3	peptidase family C78 domain containing protein, expressed	Chr2	391819	395803	+	8	2406	4.60
LOC_Os01g22600.1	mitochondrial carrier protein, putative, expressed	Chr1	12704700	12709808	-	6	2028	5.41
LOC_Os02g01710.2	peptidase family C78 domain containing protein, expressed	Chr2	391819	395803	+	8	2410	4.60
LOC_Os02g19170.1	expressed protein	Chr2	11180083	11182664	+	2	2573	5.76
LOC_Os03g51890.1	expressed protein	Chr3	29749327	29755851	-	9	1365	6.56
LOC_Os09g33580.1	BEE 1, putative, expressed	Chr9	19812678	19815196	-	8	1657	6.33
LOC_Os12g36110.1	calmodulin binding protein, putative, expressed	Chr12	22132798	22136895	-	11	3214	-7.68
LOC_Os03g45170.1	amino acid permease, putative, expressed	Chr3	25504234	25509983	-	14	2920	5.04
LOC_Os01g73940.1	expressed protein	Chr1	42838969	42839550	+	1	614	-5.30
LOC_Os02g03620.1	seven in absentia protein family domain containing protein, expressed	Chr2	1481233	1485113	-	4	1544	4.18
LOC_Os03g58260.1	indole-3-glycerol phosphate lyase, chloroplast precursor, putative, expressed	Chr3	33194496	33198099	-	8	1607	5.51
LOC_Os02g06588.1	ATP binding protein, putative, expressed	Chr2	3311245	3313330	+	5	1833	5.24
LOC_Os03g37954.1	expressed protein	Chr3	21081361	21081962	+	1	634	3.27
LOC_Os02g58670.1	bZIP transcription factor domain containing protein, expressed	Chr2	35853347	35854731	-	3	1163	5.27
LOC_Os02g07670.3	URED, putative, expressed	Chr2	3992040	3995076	-	4	2876	4.30
LOC_Os06g10280.1	CDP-alcohol phosphatidyltransferase, putative, expressed	Chr6	5276590	5285926	-	18	2344	6.85
LOC_Os03g20100.1	S1 RNA binding domain containing protein, expressed	Chr3	11351431	11355773	-	7	1813	5.04
LOC_Os03g45970.2	expressed protein	Chr3	25980114	25990239	-	9	2478	4.17
LOC_Os11g19460.2	haloacid dehalogenase-like hydrolase family protein, putative, expressed	Chr11	11202372	11207388	+	6	1940	5.68
LOC_Os05g18790.1	formyl transferase, putative, expressed	Chr5	10914251	10916007	+	5	865	4.17
LOC_Os02g29370.1	transposon protein, putative, Mariner sub-class, expressed	Chr2	17443434	17445593	-	5	1321	4.51
LOC_Os02g37850.1	expressed protein	Chr2	22865820	22870108	+	4	1626	5.41

LOC_Os06g51530.1	ribosomal protein L29, putative, expressed	Chr6	31223501	31226586 -	8	1128	4.86
LOC_Os03g34280.2	expressed protein	Chr3	19511670	19513644 +	2	1092	5.01
LOC_Os01g56620.1	pseudouridylate synthase, putative, expressed	Chr1	32660700	32667425 -	19	3262	5.71
LOC_Os08g39600.1	RNA methyltransferase, TrmH family protein, putative, expressed	Chr8	25064640	25066853 -	6	1035	4.58
LOC_Os12g14110.1	expressed protein	Chr12	8000497	8004499 -	5	1164	4.77
LOC_Os03g52630.2	endoglucanase, putative, expressed	Chr3	30181636	30184143 -	5	2117	-3.38
LOC_Os01g04990.1	mitochondrial carrier protein, putative, expressed	Chr1	2349919	2353502 -	7	1723	5.83
LOC_Os11g30484.1	ZOS11-03 - C2H2 zinc finger protein, expressed	Chr11	17722080	17725442 +	4	1476	7.00
LOC_Os03g21490.1	ABC transporter, ATP-binding protein, putative, expressed	Chr3	12276223	12280170 -	7	1651	5.27
LOC_Os05g09000.3	expressed protein	Chr5	4983598	4986913 -	3	1485	3.66
LOC_Os01g66600.2	rhodanese-like, putative, expressed	Chr1	38685221	38688097 -	3	1373	5.23
LOC_Os07g31550.1	powdery mildew resistant protein 5, putative, expressed	Chr7	18727988	18733568 +	6	1842	4.11
LOC_Os01g65460.2	beta-galactosidase precursor, putative, expressed	Chr1	37994513	38001584 +	19	4395	6.31
LOC_Os01g67120.2	rhodanese-like domain containing protein, putative, expressed	Chr1	38961987	38966131 -	12	2209	6.09
LOC_Os10g26140.1	CPuORF15 - conserved peptide uORF-containing transcript, expressed	Chr10	13543408	13552223 +	15	3672	3.15
LOC_Os08g36980.1	AGAP010609-PA, putative, expressed	Chr8	23386887	23388722 +	1	1868	5.14
LOC_Os02g19170.2	expressed protein	Chr2	11180089	11182664 +	1	2608	5.76
LOC_Os08g42940.1	expressed protein	Chr8	27136081	27136287 +	1	239	2.81
LOC_Os08g19374.4	expressed protein	Chr8	11587793	11589725 +	2	1194	4.03
LOC_Os03g49420.4	HEAT repeat family protein, putative, expressed	Chr3	28133081	28137136 +	9	1875	4.03
LOC_Os03g30088.1	retrotransposon protein, putative, unclassified	Chr3	17161963	17165174 -	3	678	3.16
LOC_Os01g70130.2	protein kinase domain containing protein, expressed	Chr1	40586762	40591302 -	4	1401	3.87
LOC_Os11g09160.2	B3 DNA binding domain containing protein, expressed	Chr11	4894638	4901214 -	5	1671	4.38
LOC_Os08g04760.1	retrotransposon protein, putative, unclassified, expressed	Chr8	2371996	2374432 -	2	1030	3.52
LOC_Os04g45280.1	histidine triad family protein, putative, expressed	Chr4	26754330	26757287 -	6	1252	5.30
LOC_Os03g62080.1	mRNA-decapping enzyme, putative, expressed	Chr3	35168119	35174079 -	7	2578	5.67
LOC_Os09g30280.1	glycosyl transferase 8 domain containing protein, putative, expressed	Chr9	18441076	18445160 +	7	2794	5.19
LOC_Os02g05730.1	protein kinase domain containing protein, expressed	Chr2	2816880	2824133 -	12	3329	5.25
LOC_Os02g14520.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr2	7998422	8001879 -	5	3100	4.27
LOC_Os05g40000.1	expressed protein	Chr5	23502667	23504193 -	2	1500	2.90
LOC_Os05g12140.2	Leucine Rich Repeat family protein, expressed	Chr5	6936859	6939771 -	5	2585	5.23
LOC_Os01g54040.1	ATP-dependent protease La, putative, expressed	Chr1	31078609	31088007 -	11	2629	4.43
LOC_Os09g34110.2	expressed protein	Chr9	20128154	20134451 -	4	4791	3.91
LOC_Os12g08830.1	thylakoid lumenal 29.8 kDa protein, putative, expressed	Chr12	4555855	4558043 -	5	1509	3.66
LOC_Os01g04110.1	mediator of RNA polymerase II transcription subunit 22, putative, expressed	Chr1	1787870	1791498 -	4	953	5.40
LOC_Os03g06070.2	la domain containing protein, putative, expressed	Chr3	3039736	3041597 +	5	1671	4.33
LOC_Os09g37270.1	ATROPGEF7/ROPGEF7, putative, expressed	Chr9	21525950	21529866 -	5	2558	4.61
LOC_Os01g48820.1	expressed protein	Chr1	28012393	28014006 +	1	1646	3.19
LOC_Os02g08440.4	WRKY71, expressed	Chr2	4542929	4544983 +	4	1441	-4.62
LOC_Os12g08830.2	thylakoid lumenal 29.8 kDa protein, putative, expressed	Chr12	4555855	4558043 -	5	1513	3.66
LOC_Os12g27070.1	heat shock protein DnaJ, putative, expressed	Chr12	15848618	15851558 -	6	1501	5.23
LOC_Os04g50110.1	RNA recognition motif containing protein, putative, expressed	Chr4	29888072	29891194 -	5	1548	5.59
LOC_Os09g37270.2	ATROPGEF7/ROPGEF7, putative, expressed	Chr9	21525976	21529866 -	4	2608	4.61
LOC_Os01g29180.2	expressed protein	Chr1	16346972	16349469 -	4	1484	3.52
LOC_Os06g11910.2	expressed protein	Chr6	6344013	6347676 -	6	2755	4.55

LOC_Os01g65460.1	beta-galactosidase precursor, putative, expressed	Chr1	37994513	38001584 +	20	4304	6.27
LOC_Os12g39820.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr12	24608947	24609372 -	1	458	3.02
LOC_Os03g59580.1	hydrolase, NUDIX family, domain containing protein, expressed	Chr3	33916812	33921098 -	4	1198	4.63
LOC_Os02g51820.1	expressed protein	Chr2	31747712	31749762 +	2	1856	6.38
LOC_Os02g41460.1	DUF640 domain containing protein, putative, expressed	Chr2	24830541	24832108 -	3	1308	3.64
LOC_Os01g11570.1	GDSL-like lipase/acylhydrolase, putative, expressed	Chr1	6242495	6244969 -	5	1287	3.36
LOC_Os10g39520.1	MLO domain containing protein, putative, expressed	Chr10	21109457	21114148 -	15	2555	3.20
LOC_Os01g13490.1	expressed protein	Chr1	7519617	7524433 +	2	1280	3.68
LOC_Os05g12140.1	Leucine Rich Repeat family protein, expressed	Chr5	6936859	6939771 -	6	2522	5.23
LOC_Os08g22004.1	retrotransposon protein, putative, unclassified, expressed	Chr8	13185325	13195235 -	4	5279	-6.05
LOC_Os10g03669.2	expressed protein	Chr10	1642417	1644857 -	5	2070	4.05
LOC_Os05g08440.1	OsFBX163 - F-box domain containing protein, expressed	Chr5	4610870	4612756 +	2	1863	5.36
LOC_Os07g30830.1	SNF7 family protein, putative, expressed	Chr7	18250957	18253283 +	3	756	4.12
LOC_Os12g05210.1	expressed protein	Chr12	2312450	2313272 +	1	855	3.41
LOC_Os12g37610.1	ribosomal protein S6, putative, expressed	Chr12	23096994	23099367 -	5	1260	4.58
LOC_Os02g41954.1	gibberellin 2-beta-dioxygenase 7, putative, expressed	Chr2	25199386	25203742 -	3	1653	4.81
LOC_Os07g12540.1	expressed protein	Chr7	7160923	7162244 -	3	648	3.35
LOC_Os07g09950.1	OsFBX222 - F-box domain containing protein, expressed	Chr7	5303491	5304753 -	1	1295	4.13
LOC_Os09g34110.1	expressed protein	Chr9	20128201	20134358 -	5	3233	3.69
LOC_Os06g03790.1	39S ribosomal protein L47, mitochondrial precursor, putative, expressed	Chr6	1512795	1516434 +	3	1032	3.38
LOC_Os01g14920.1	zinc knuckle family protein, putative, expressed	Chr1	8359014	8362270 -	3	1321	3.99
LOC_Os03g02900.1	B3 DNA binding domain containing protein, expressed	Chr3	1152918	1154876 +	1	1991	5.16
LOC_Os03g39380.1	expressed protein	Chr3	21881948	21885333 +	5	1001	3.51
LOC_Os08g12360.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr8	7281253	7283483 -	5	1336	3.59
LOC_Os05g11750.1	protein kinase, putative, expressed	Chr5	6666498	6671971 -	6	1867	5.58
LOC_Os01g29830.2	expressed protein	Chr1	16716655	16719424 +	6	1560	4.74
LOC_Os09g09820.1	retrotransposon protein, putative, unclassified, expressed	Chr9	5320875	5323838 +	1	2996	3.03
LOC_Os01g67590.1	oligopeptidase, putative, expressed	Chr1	39289297	39296646 +	20	3234	5.20
LOC_Os08g02040.1	expressed protein	Chr8	658503	661608 -	3	2878	4.31
LOC_Os03g39380.2	expressed protein	Chr3	21881948	21885333 +	4	1101	3.51
LOC_Os03g13450.2	expressed protein	Chr3	7274601	7277976 +	3	1714	3.96
LOC_Os07g33850.2	ras-related protein, putative, expressed	Chr7	20249139	20253102 +	6	2183	5.26
LOC_Os12g03500.1	expressed protein	Chr12	1387652	1391278 -	4	979	4.24
LOC_Os08g14160.1	retrotransposon protein, putative, unclassified	Chr8	8455801	8456055 -	1	287	2.84
LOC_Os01g41510.1	calcineurin B, putative, expressed	Chr1	23498443	23502377 +	9	1418	4.69
LOC_Os04g50208.1	phosphoenolpyruvate carboxykinase, putative, expressed	Chr4	29969234	29972696 -	10	1951	6.76
LOC_Os08g17000.1	expressed protein	Chr8	10410093	10411904 +	3	1049	3.53
LOC_Os01g58690.3	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr1	33926531	33929814 +	8	1620	4.72
LOC_Os10g35940.2	folylpolyglutamate synthetase, putative, expressed	Chr10	19201521	19206783 -	14	2910	6.16
LOC_Os05g35060.1	DUF803 domain containing, putative, expressed	Chr5	20807057	20811318 -	9	2425	5.06
LOC_Os03g64050.1	receptor protein kinase, putative, expressed	Chr3	36189259	36190656 +	1	1430	3.69
LOC_Os02g36470.1	retrotransposon protein, putative, unclassified, expressed	Chr2	22026079	22031697 +	3	5367	3.75
LOC_Os12g02540.1	BTBN23 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3	Chr12	864792	869553 -	4	2757	3.69
LOC_Os01g29830.1	expressed protein	Chr1	16716655	16719424 +	6	1578	4.74
LOC_Os02g31960.3	ATP/GTP binding protein, putative, expressed	Chr2	18889920	18892036 -	5	1899	6.50

LOC_Os01g62900.1	amino acid kinase, putative, expressed	Chr1	36430978	36440843 +	21	4113	6.33
LOC_Os04g24220.2	OsWAK32 - OsWAK receptor-like protein kinase, expressed	Chr4	13863244	13868079 +	6	3162	4.93
LOC_Os03g41460.1	CAMK_CAMK_like.20 - CAMK includes calcium/calmodulin deperdent protein kinases, expressed	Chr3	23068745	23071303 -	7	1966	6.36
LOC_Os08g28570.1	resistance protein, putative, expressed	Chr8	17451968	17456043 +	4	2780	-7.10
LOC_Os07g43160.1	uncharacterized glycosyl hydrolase Rv2006/MT2062, putative, expressed	Chr7	25867212	25871233 +	11	1870	4.62
LOC_Os06g06210.2	expressed protein	Chr6	2874350	2877067 +	2	2306	5.42
LOC_Os12g39380.1	BTBN24 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3	Chr12	24218359	24224963 -	5	3233	4.37
LOC_Os11g19460.3	haloacid dehalogenase-like hydrolase family protein, putative, expressed	Chr11	11202372	11207388 +	5	2642	4.83
LOC_Os04g48260.1	zinc RING finger protein, putative, expressed	Chr4	28744397	28747883 +	7	1528	5.74
LOC_Os03g52320.1	GRF-interacting factor 1, putative, expressed	Chr3	30045079	30048795 -	4	1484	3.87
LOC_Os01g62160.1	trp repressor/replication initiator, putative, expressed	Chr1	35983819	35987592 -	2	1915	6.49
LOC_Os06g06820.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr6	3219079	3222414 -	9	1781	4.80
LOC_Os07g24820.1	thionin-like peptide, putative, expressed	Chr7	14106655	14107221 +	2	388	-6.58
LOC_Os08g35930.2	OsFBL50 - F-box domain and LRR containing protein, expressed	Chr8	22656289	22659552 -	4	2749	4.36
LOC_Os03g05300.1	cyclin-dependent kinases regulatory subunit 1, putative, expressed	Chr3	2572063	2572534 +	3	369	3.58
LOC_Os06g14420.1	hydrolase, NUDIX family, domain containing protein, expressed	Chr6	8068591	8070044 -	1	1486	3.87
LOC_Os03g45970.3	expressed protein	Chr3	25979871	25990239 -	9	2646	4.17
LOC_Os06g39680.1	transposon protein, putative, unclassified, expressed	Chr6	23556493	23559285 +	2	2755	5.45
LOC_Os01g58690.2	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr1	33926609	33929814 +	8	1643	4.72
LOC_Os08g33430.1	formin, putative, expressed	Chr8	20855162	20858214 +	4	2934	4.88
LOC_Os10g27080.1	expressed protein	Chr10	14271508	14272625 +	3	849	3.48
LOC_Os08g35930.1	OsFBL50 - F-box domain and LRR containing protein, expressed	Chr8	22656289	22659552 -	5	2689	4.36
LOC_Os01g34870.1	expressed protein	Chr1	19252668	19257404 +	7	1644	4.51
LOC_Os01g58690.1	endonuclease/exonuclease/phosphatase family domain containing protein, expressed	Chr1	33926601	33929805 +	8	1646	4.72
LOC_Os07g19070.1	prefoldin, putative, expressed	Chr7	11287871	11292049 -	3	1340	3.68
LOC_Os11g28540.1	expressed protein	Chr11	16454525	16456582 -	5	919	-6.58
LOC_Os03g23970.1	diphthine synthase, putative, expressed	Chr3	13605475	13608086 -	7	1545	5.55
LOC_Os11g40890.1	expressed protein	Chr11	24476579	24480870 -	5	2662	-6.86
LOC_Os07g36190.1	hydrolase, NUDIX family, domain containing protein, expressed	Chr7	21625619	21628826 +	6	1340	6.46
LOC_Os03g23860.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr3	13539616	13545172 +	2	5359	5.13
LOC_Os04g40720.1	expressed protein	Chr4	24161435	24167928 -	6	4567	4.80
LOC_Os03g12000.1	DEAD-box ATP-dependent RNA helicase, putative, expressed	Chr3	6286011	6288451 -	2	2194	5.22
LOC_Os01g57490.1	D-mannose binding lectin family protein, expressed	Chr1	33218394	33223744 +	11	2746	5.46
LOC_Os03g16874.1	expressed protein	Chr3	9375951	9377728 +	3	698	3.96
LOC_Os03g49730.4	zinc finger protein, putative, expressed	Chr3	28309011	28312269 -	10	2125	6.13
LOC_Os06g10140.1	expressed protein	Chr6	5186447	5188307 -	3	1702	4.34
LOC_Os05g34160.1	mTERF domain containing protein, expressed	Chr5	20196728	20198598 +	1	1903	6.14
LOC_Os02g04730.1	cycloartenol synthase, putative, expressed	Chr2	2148473	2153358 -	12	2241	5.21
LOC_Os10g41860.1	expressed protein	Chr10	22522023	22524862 -	5	1710	5.00
LOC_Os12g01930.2	lipase-related, putative, expressed	Chr12	555086	558636 -	10	2390	5.55
LOC_Os01g18320.1	protoporphyrinogen oxidase, chloroplast precursor, putative, expressed	Chr1	10291889	10295536 +	9	2301	5.02
LOC_Os03g32150.1	expressed protein	Chr3	18391035	18392132 -	3	507	2.99
LOC_Os08g37690.1	expressed protein	Chr8	23869795	23871110 -	2	1251	4.95
LOC_Os07g10250.1	DEAD-box ATP-dependent RNA helicase 52B, putative, expressed	Chr7	5500195	5506490 -	7	2923	5.85
LOC_Os02g26300.1	expressed protein	Chr2	15447211	15451795 +	4	2651	4.12

LOC_Os05g16720.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr5	9504921	9511639 -	3	5508	3.78
LOC_Os03g16874.3	expressed protein	Chr3	9375951	9377728 +	3	692	3.96
LOC_Os04g37904.2	protein phosphatase 2C, putative, expressed	Chr4	22534358	22541033 -	6	1957	-4.91
LOC_Os04g37904.1	protein phosphatase 2C, putative, expressed	Chr4	22534358	22541033 -	6	1960	-4.91
LOC_Os08g31110.1	PPR repeat domain containing protein, putative, expressed	Chr8	19215829	19217809 +	1	2013	3.88
LOC_Os11g29110.1	Leucine Rich Repeat family protein, expressed	Chr11	16860235	16864216 +	3	3489	5.37
LOC_Os04g38680.1	transmembrane amino acid transporter protein, putative, expressed	Chr4	22977814	22980352 +	3	1942	4.84
LOC_Os02g14860.1	prefoldin subunit, putative, expressed	Chr2	8262546	8265723 +	5	1020	4.67
LOC_Os03g58820.1	aminoacyl-tRNA synthetase, putative, expressed	Chr3	33495989	33500471 -	9	1782	5.37
LOC_Os01g04350.1	hsp20/alpha crystallin family protein, putative, expressed	Chr1	1941003	1941953 +	1	983	-5.87
LOC_Os05g43920.1	auxin response factor 14, putative, expressed	Chr5	25555850	25561791 +	10	3150	4.38
LOC_Os04g54380.1	aluminum resistance protein, putative, expressed	Chr4	32359202	32362652 +	12	2409	6.01
LOC_Os08g01660.3	mago nashi, putative, expressed	Chr8	384088	388246 +	3	867	4.07
LOC_Os06g43250.1	expressed protein	Chr6	25990413	25993227 +	10	1566	3.26
LOC_Os05g33010.1	heat shock protein DnaJ, putative, expressed	Chr5	19353553	19357897 +	6	1237	4.33
LOC_Os05g33010.2	heat shock protein DnaJ, putative, expressed	Chr5	19353553	19357897 +	6	1228	4.33
LOC_Os12g37050.1	retrotransposon protein, putative, unclassified, expressed	Chr12	22705056	22707035 -	2	520	3.02
LOC_Os05g50624.2	transposon protein, putative, unclassified, expressed	Chr5	29021911	29023638 +	1	1760	4.36
LOC_Os06g05630.1	GDSL-like lipase/acylhydrolase, putative, expressed	Chr6	2546752	2549257 +	5	1864	4.03
LOC_Os04g45280.3	histidine triad family protein, putative, expressed	Chr4	26754330	26757287 -	6	1191	5.27
LOC_Os04g17100.1	heavy metal-associated domain containing protein, expressed	Chr4	9367935	9369158 -	3	1043	-4.91
LOC_Os03g05220.1	expressed protein	Chr3	2531043	2532705 +	6	967	5.03
LOC_Os01g12260.1	vacuolar ATP synthase subunit E, putative, expressed	Chr1	6699462	6703371 +	6	1527	6.56
LOC_Os04g39910.1	receptor-like protein kinase, putative, expressed	Chr4	23770072	23772456 +	1	2417	5.20
LOC_Os04g25784.7	expressed protein	Chr4	14956367	14957850 +	4	1034	4.34
LOC_Os05g12300.1	expressed protein	Chr5	7061991	7066152 +	4	2609	4.42
LOC_Os03g62720.1	exosome complex exonuclease, putative, expressed	Chr3	35494074	35497784 +	7	1569	4.10
LOC_Os03g62720.2	exosome complex exonuclease, putative, expressed	Chr3	35494058	35497784 +	7	1546	4.10
LOC_Os02g25960.1	ankyrin repeat family protein, putative, expressed	Chr2	15233137	15238844 -	4	2904	3.44
LOC_Os07g43530.1	helix-loop-helix DNA-binding domain containing protein, expressed	Chr7	26039678	26042226 -	5	1408	3.21
LOC_Os02g17650.1	tocopherol cyclase, chloroplast precursor, putative, expressed	Chr2	10155843	10164747 -	10	2321	5.87
LOC_Os07g04860.1	transposon protein, putative, unclassified, expressed	Chr7	2140732	2143984 -	3	2707	5.03
LOC_Os09g31490.1	reductase, putative, expressed	Chr9	18994539	18998420 -	6	1537	5.78
LOC_Os09g01680.2	DNA repair protein RAD51 homolog 4, putative, expressed	Chr9	485012	490813 -	7	3032	5.04
LOC_Os03g49730.3	zinc finger protein, putative, expressed	Chr3	28309011	28312269 -	12	1974	6.13
LOC_Os03g58260.2	indole-3-glycerol phosphate lyase, chloroplast precursor, putative, expressed	Chr3	33193735	33198078 -	10	2135	5.56
LOC_Os07g30830.2	SNF7 family protein, putative, expressed	Chr7	18250922	18253311 +	3	824	4.12
LOC_Os07g43530.2	helix-loop-helix DNA-binding domain containing protein, expressed	Chr7	26039679	26042226 -	4	1453	3.21
LOC_Os01g63780.1	nsp1-like C-terminal region family protein, expressed	Chr1	37005746	37011356 -	7	1543	8.08
LOC_Os05g49740.1	EMB2744, putative, expressed	Chr5	28534151	28536925 -	1	2807	5.42
LOC_Os03g38950.2	chloroplast post-illumination chlorophyll fluorescence increase protein, putative, expressed	Chr3	21634872	21637243 +	6	1530	4.36
LOC_Os02g07709.1	expressed protein	Chr2	4015963	4016812 +	1	882	3.40
LOC_Os12g42150.1	WD domain, G-beta repeat domain containing protein, expressed	Chr12	26128587	26130776 +	3	1412	5.34
LOC_Os09g20430.1	SCO1 protein homolog, mitochondrial precursor, putative, expressed	Chr9	12289592	12294955 -	8	1843	5.90
LOC_Os08g36980.2	AGAP010609-PA, putative, expressed	Chr8	23386886	23388722 +	2	996	5.01

LOC_Os05g43582.1	tRNA methyltran, putative, expressed	Chr5	25346734	25349386 +	6	1713	5.03
LOC_Os11g43895.1	expressed protein	Chr11	26505492	26507776 -	5	1077	4.23
LOC_Os11g14130.1	mTERF family protein, expressed	Chr11	7869285	7871990 +	2	2088	5.36
LOC_Os02g06530.1	armadillo/beta-catenin repeat family protein, putative, expressed	Chr2	3263668	3265606 +	2	1901	5.74
LOC_Os02g58670.2	bZIP transcription factor domain containing protein, expressed	Chr2	35853347	35854731 -	2	1289	5.32
LOC_Os01g59540.1	GRF zinc finger family protein	Chr1	34425818	34427049 +	4	1040	3.37
LOC_Os03g38950.1	chloroplast post-illumination chlorophyll fluorescence increase protein, putative, expressed	Chr3	21634867	21637243 +	7	1485	4.36
LOC_Os11g19220.1	mitosis protein dim1, putative, expressed	Chr11	10977450	10982223 -	5	2274	7.19
LOC_Os01g63780.2	nsp1-like C-terminal region family protein, expressed	Chr1	37005746	37011356 -	6	1581	8.08
LOC_Os04g11060.1	expressed protein	Chr4	6011867	6012149 +	2	241	-5.36
LOC_Os08g01660.1	mago nashi, putative, expressed	Chr8	384088	388246 +	3	891	4.07
LOC_Os02g12480.10	expressed protein	Chr2	6508812	6513830 +	3	2667	-4.38
LOC_Os05g09000.1	expressed protein	Chr5	4983551	4986913 -	3	1660	3.66
LOC_Os11g07100.2	receptor-like protein kinase precursor, putative, expressed	Chr11	3536286	3540184 +	3	3637	6.16
LOC_Os10g09430.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr10	5083921	5087974 +	3	1839	3.46
LOC_Os12g38260.1	expressed protein	Chr12	23494447	23499242 +	6	3258	3.40
LOC_Os01g67120.1	rhodanese-like domain containing protein, putative, expressed	Chr1	38961303	38966131 -	13	2761	6.18
LOC_Os01g03490.1	heavy-metal-associated domain-containing protein, putative, expressed	Chr1	1404155	1407187 +	3	2525	4.12
LOC_Os02g49820.1	RNA recognition motif family protein, expressed	Chr2	30444896	30448425 +	9	2234	4.43
LOC_Os10g27270.1	expressed protein	Chr10	14394956	14395372 -	1	449	2.92
LOC_Os03g10500.1	adenylyl-sulfate kinase, putative, expressed	Chr3	5341101	5347082 -	7	1599	3.61
LOC_Os01g55740.1	OsRhmbd4 - Putative Rhomboid homologue, expressed	Chr1	32094403	32098715 +	8	1390	4.79
LOC_Os08g21690.1	retrotransposon protein, putative, unclassified, expressed	Chr8	12957169	12963433 +	5	5020	-5.96
LOC_Os01g37360.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr1	20857354	20860554 -	7	2327	4.90
LOC_Os02g57100.1	expressed protein	Chr2	34963624	34966602 -	5	1396	5.08
LOC_Os08g04840.1	MYB family transcription factor, putative, expressed	Chr8	2433787	2436913 +	3	1748	7.16
LOC_Os03g01920.1	expressed protein	Chr3	567974	570856 -	11	1637	5.10
LOC_Os02g39340.2	glycine-rich protein, putative, expressed	Chr2	23745236	23747925 +	3	851	5.42
LOC_Os01g60920.1	OsFBX30 - F-box domain containing protein, expressed	Chr1	35238064	35240993 +	3	2284	4.70
LOC_Os02g50560.2	DSHCT domain containing protein, expressed	Chr2	30872771	30882871 +	15	4924	5.60
LOC_Os09g25420.1	ZOS9-06 - C2H2 zinc finger protein, expressed	Chr9	15234823	15237824 -	4	2113	5.14
LOC_Os02g12654.1	expressed protein	Chr2	6608063	6609105 +	3	599	4.03
LOC_Os02g40900.1	RNA recognition motif containing protein, putative, expressed	Chr2	24783195	24786565 -	6	1459	5.70
LOC_Os10g07340.1	expressed protein	Chr10	3868240	3871296 +	1	3089	6.27
LOC_Os06g11410.1	cyclin, putative, expressed	Chr6	6019597	6021853 +	6	1772	6.23
LOC_Os02g12480.5	expressed protein	Chr2	6508832	6513830 -	3	2647	-4.38
LOC_Os08g31130.1	integral membrane protein DUF6 containing protein, expressed	Chr8	19222064	19227521 -	7	1617	5.32
LOC_Os01g39270.1	NAD binding domain of 6-phosphogluconate dehydrogenase containing protein, expressed	Chr1	22088204	22091020 -	11	1608	4.85
LOC_Os04g15820.1	expressed protein	Chr4	8588650	8594339 +	12	3583	7.47
LOC_Os02g50280.1	pentatricopeptide, putative, expressed	Chr2	30698990	30701615 +	1	2658	6.12
LOC_Os11g06220.2	expressed protein	Chr11	2971164	2974447 +	1	3316	3.54
LOC_Os02g06480.1	SCO1 protein homolog, mitochondrial precursor, putative, expressed	Chr2	3227508	3233934 -	8	3858	5.67
LOC_Os02g06480.2	SCO1 protein homolog, mitochondrial precursor, putative, expressed	Chr2	3227508	3233934 -	8	3852	5.67
LOC_Os02g40010.3	phosphoribosyl transferase, putative, expressed	Chr2	24223305	24228766 +	8	1298	6.29
LOC_Os03g35840.1	transposon protein, putative, unclassified, expressed	Chr3	19858185	19860916 -	6	2520	5.02

LOC_Os06g05630.2	GDSL-like lipase/acylhydrolase, putative, expressed	Chr6	2546752	2549257 +	4	1932	4.03
LOC_Os02g18784.1	expressed protein	Chr2	10947696	10948612 -	1	949	4.04
LOC_Os05g31350.1	conserved hypothetical protein	Chr5	18223304	18224715 -	2	1063	3.07
LOC_Os04g24220.1	OsWAK32 - OsWAK receptor-like protein kinase, expressed	Chr4	13863249	13868260 +	6	3358	4.93
LOC_Os06g03990.1	aminotransferase, classes I and II, domain containing protein, expressed	Chr6	1629717	1633629 +	4	2514	4.73
LOC_Os01g62870.1	oxidoreductase, aldo/keto reductase family protein, putative, expressed	Chr1	36410638	36414610 +	7	1736	3.67
LOC_Os04g22830.1	transposon protein, putative, CACTA, En/Spm sub-class, expressed	Chr4	12927728	12930463 +	7	2252	3.94
LOC_Os04g12480.1	pumilio-family RNA binding repeat containing protein, expressed	Chr4	6902844	6909634 -	10	2769	5.02
LOC_Os07g37640.1	IKI3 family protein, expressed	Chr7	22565757	22571603 +	6	4880	5.10
LOC_Os03g22610.2	peptidyl-tRNA hydrolase, mitochondrial precursor protein, putative, expressed	Chr3	13031190	13034719 +	9	1601	5.93
LOC_Os07g33224.1	BNR/Asp-box repeat family protein, putative, expressed	Chr7	19856175	19857873 +	7	1340	3.65
LOC_Os03g01160.2	protein kinase family protein, putative, expressed	Chr3	110086	114398 -	9	3293	-4.18
LOC_Os08g08030.1	double-strand break repair protein MRE11, putative, expressed	Chr8	4551510	4557530 -	20	2488	4.05
LOC_Os09g07320.1	ethanol tolerance protein GEKO1, putative, expressed	Chr9	3620063	3633216 +	10	1944	5.25
LOC_Os06g44320.1	expressed protein	Chr6	26756214	26757596 -	2	1266	4.73
LOC_Os09g12500.1	EMB1381, putative, expressed	Chr9	7166573	7171386 +	12	2655	4.90
LOC_Os09g12500.2	EMB1381, putative, expressed	Chr9	7166573	7171386 +	12	2648	4.90
LOC_Os05g39580.1	bet v I allergen family protein, putative, expressed	Chr5	23239202	23240677 -	1	1508	6.25
LOC_Os02g43430.1	protein kinase domain containing protein, expressed	Chr2	26208969	26213007 -	4	2240	4.19
LOC_Os12g40100.1	expressed protein	Chr12	24793134	24798337 -	5	1077	3.30
LOC_Os04g24220.3	OsWAK32 - OsWAK receptor-like protein kinase, expressed	Chr4	13863222	13868260 +	5	3381	4.93
LOC_Os02g12480.7	expressed protein	Chr2	6508832	6513830 -	3	2339	-4.49
LOC_Os05g34670.1	KH domain containing protein, putative, expressed	Chr5	20568919	20573667 -	7	2100	6.70
LOC_Os02g53680.1	RPA1A - Putative single-stranded DNA binding complex subunit 1, expressed	Chr2	32832832	32836481 -	2	2655	6.17
LOC_Os05g38984.1	expressed protein	Chr5	22870780	22873243 +	3	2082	5.13
LOC_Os01g59580.1	retrotransposon protein, putative, unclassified, expressed	Chr1	34458723	34466010 -	11	3100	4.61
LOC_Os03g19980.1	tetratricopeptide-like helical, putative, expressed	Chr3	11252327	11255319 +	2	2640	5.47
LOC_Os11g13620.1	expressed protein	Chr11	7460403	7461781 +	1	1411	4.78
LOC_Os05g34480.1	expressed protein	Chr5	20442734	20446077 +	6	1473	3.93
LOC_Os04g14204.1	expressed protein	Chr4	7961018	7964447 -	4	1502	5.27
LOC_Os04g14204.2	expressed protein	Chr4	7961018	7964447 -	4	1502	5.27
LOC_Os04g14204.3	expressed protein	Chr4	7961018	7964447 -	4	1502	5.27
LOC_Os09g36520.1	ki1 protein, putative, expressed	Chr9	21061116	21062797 -	1	1714	3.83
LOC_Os02g40010.1	phosphoribosyl transferase, putative, expressed	Chr2	24223305	24228766 +	7	1341	6.29
LOC_Os04g51390.1	aldose 1-epimerase, putative, expressed	Chr4	30433199	30438364 +	9	1840	7.83
LOC_Os02g50560.1	DSHCT domain containing protein, expressed	Chr2	30872771	30882871 +	16	5056	5.60
LOC_Os11g43950.1	dnaJ domain containing protein, expressed	Chr11	26542837	26549304 +	8	3583	4.14
LOC_Os06g13640.1	expressed protein	Chr6	7555463	7558367 -	8	1190	3.53
LOC_Os04g51792.1	PAP fibrillin family domain containing protein, expressed	Chr4	30688097	30689790 -	4	1135	5.40
LOC_Os05g46470.1	expressed protein	Chr5	26922146	26923380 -	3	768	5.10
LOC_Os03g12430.1	PPR repeat containing protein, putative, expressed	Chr3	6563354	6565219 -	1	1898	6.08
LOC_Os09g30100.2	NOL1/NOP2/sun family protein, putative, expressed	Chr9	18293017	18300990 +	19	2374	5.91
LOC_Os07g35920.4	expressed protein	Chr7	21486604	21504497 -	4	1096	3.30
LOC_Os02g12480.3	expressed protein	Chr2	6508832	6513830 -	4	2611	-4.40
LOC_Os09g26800.1	polygalacturonase, putative, expressed	Chr9	16282795	16287189 +	5	2235	-5.10

LOC_Os03g15690.2	phosphate carrier protein, mitochondrial precursor, putative, expressed	Chr3	8656387	8660017 +	5	2066	4.63
LOC_Os03g52258.1	expressed protein	Chr3	30013876	30014195 -	2	232	5.65
LOC_Os06g51050.1	CHIT7 - Chitinase family protein precursor, expressed	Chr6	30887215	30888471 +	1	1289	-9.96
LOC_Os01g55890.6	amino acid kinase, putative, expressed	Chr1	32185406	32189756 -	10	2617	5.43
LOC_Os05g17100.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr5	9761271	9767991 -	3	5457	4.11
LOC_Os06g36490.1	ethylene-responsive element-binding protein, putative, expressed	Chr6	21431258	21435702 -	4	1290	3.81
LOC_Os01g05560.1	expressed protein	Chr1	2652648	2655639 +	2	1617	5.17
LOC_Os04g44540.2	mitochondrial carrier protein, putative, expressed	Chr4	26369059	26371832 -	6	1547	4.76
LOC_Os05g49770.1	CTP synthase, putative, expressed	Chr5	28551310	28557309 -	21	3150	-3.23
LOC_Os07g40240.1	GASR9 - Gibberellin-regulated GASA/GAST/Snakin family protein precursor, expressed	Chr7	24125333	24127487 +	2	2118	4.11
LOC_Os06g11410.2	cyclin, putative, expressed	Chr6	6019597	6021861 +	5	1858	6.23
LOC_Os12g40330.1	expressed protein	Chr12	24974393	24975145 +	1	785	3.84
LOC_Os04g54740.1	expressed protein	Chr4	32552399	32556341 +	2	3741	6.59
LOC_Os07g19070.2	prefoldin, putative, expressed	Chr7	11287871	11292046 -	1	4208	4.97
LOC_Os01g27880.1	sucrose-phosphatase, putative, expressed	Chr1	15568776	15573377 -	9	2038	5.72
LOC_Os03g10590.1	splicing factor, putative, expressed	Chr3	5393933	5396987 -	4	1589	3.62
LOC_Os11g47460.3	MYB family transcription factor, putative, expressed	Chr11	28703899	28705276 -	3	1295	-4.61
LOC_Os01g22870.1	expressed protein	Chr1	12848912	12853410 +	6	1300	3.71
LOC_Os01g60680.1	expressed protein	Chr1	35088901	35093120 -	11	1618	4.54
LOC_Os05g42220.1	leucine rich repeat domain containing protein, putative, expressed	Chr5	24691255	24695487 +	5	2967	5.32
LOC_Os01g55020.6	expressed protein	Chr1	31635593	31638417 +	4	1057	4.15
LOC_Os03g52280.1	expressed protein	Chr3	30022814	30024703 -	3	925	3.88
LOC_Os11g06880.1	acyl-CoA synthetase, putative, expressed	Chr11	3374944	3377966 +	7	1767	5.74
LOC_Os07g35610.1	kelch repeat-containing protein, putative, expressed	Chr7	21315434	21320392 -	11	2584	3.24
LOC_Os11g36450.1	OsFBO15 - F-box and other domain containing protein, expressed	Chr11	21490562	21493404 -	2	2093	4.35
LOC_Os01g55890.5	amino acid kinase, putative, expressed	Chr1	32185406	32189756 -	9	2653	5.43
LOC_Os08g24310.1	receptor-like protein kinase precursor, putative, expressed	Chr8	14673019	14679422 +	2	3341	-8.35
LOC_Os05g04860.1	agenet domain containing protein, putative, expressed	Chr5	2334712	2339664 -	8	1720	4.62
LOC_Os12g40480.2	H-BTB9 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence,	Chr12	25045199	25048597 +	3	2930	5.29
LOC_Os03g15690.1	phosphate carrier protein, mitochondrial precursor, putative, expressed	Chr3	8656387	8660017 +	6	2023	4.65
LOC_Os09g36240.2	deoxyribodipyrimidine photolyase family protein, expressed	Chr9	20897579	20901393 +	8	2055	6.51
LOC_Os01g15530.1	tetratricopeptide-like helical, putative, expressed	Chr1	8732427	8734486 +	1	2092	5.04
LOC_Os02g40010.4	phosphoribosyl transferase, putative, expressed	Chr2	24223305	24228766 +	7	1374	6.30
LOC_Os01g68010.5	TBC domain containing protein, expressed	Chr1	39539150	39541096 +	3	1425	4.71
LOC_Os05g49770.2	CTP synthase, putative, expressed	Chr5	28551310	28557309 -	21	3138	-3.23
LOC_Os01g60050.1	HEAT, putative, expressed	Chr1	34731210	34735202 -	9	1458	5.50
LOC_Os02g08440.2	WRKY71, expressed	Chr2	4542914	4544983 +	3	1929	-4.62
LOC_Os05g02150.1	expressed protein	Chr5	658106	660255 -	2	1842	5.90
LOC_Os04g47170.1	ATROPGEF7/ROPGEF7, putative, expressed	Chr4	28013719	28017003 +	7	2885	-6.29
LOC_Os03g48060.1	class I glutamine amidotransferase, putative, expressed	Chr3	27334203	27337910 +	4	1283	5.39
LOC_Os08g24390.4	expressed protein	Chr8	14725904	14732048 -	12	2397	3.91
LOC_Os10g10170.1	PPR repeat domain containing protein, putative, expressed	Chr10	5577483	5585549 -	18	3798	-5.02
LOC_Os04g27860.1	40S ribosomal protein S27, putative, expressed	Chr4	16458037	16459244 +	4	389	3.77
LOC_Os09g30100.1	NOL1/NOP2/sun family protein, putative, expressed	Chr9	18293017	18300993 +	21	2536	5.92
LOC_Os03g01442.1	expressed protein	Chr3	305842	308488 -	1	2679	4.44

LOC_Os05g11900.1	expressed protein	Chr5	6773865	6774685 +	2	763	3.09
LOC_Os01g59110.1	indole-3-acetate beta-glucosyltransferase, putative, expressed	Chr1	34146161	34149193 +	2	1674	3.87
LOC_Os08g33140.1	F-box domain containing protein, expressed	Chr8	20591459	20596596 +	4	1826	3.70
LOC_Os01g56960.1	acid phosphatase, putative, expressed	Chr1	32903910	32905663 -	7	1268	3.52
LOC_Os09g31120.1	pirin, putative, expressed	Chr9	18707883	18710315 +	4	1618	4.40
LOC_Os01g43120.1	DEAD/DEAH box helicase, putative, expressed	Chr1	24598181	24601892 +	10	2725	5.71
LOC_Os03g17560.1	expressed protein	Chr3	9757006	9759331 +	5	1115	4.71
LOC_Os01g22550.2	galactosyltransferase family protein, putative, expressed	Chr1	12667343	12672757 -	6	2201	4.50
LOC_Os04g17660.3	rhodanese-like domain containing protein, putative, expressed	Chr4	9671229	9674123 -	4	2258	4.34
LOC_Os11g44700.1	calmodulin binding protein, putative, expressed	Chr11	27029845	27034055 +	8	1414	-5.71
LOC_Os01g54040.3	ATP-dependent protease La, putative, expressed	Chr1	31078609	31088007 -	12	2783	4.48
LOC_Os03g29630.1	ulp1 protease family protein, putative, expressed	Chr3	16888876	16892201 +	9	1482	3.81
LOC_Os01g10400.2	expressed protein	Chr1	5478476	5479836 +	3	811	4.39
LOC_Os01g66890.2	BTBZ1 - Bric-a-Brac, Tramtrack, and Broad Complex BTB domain with TAZ zinc finger and Calmod	Chr1	38843729	38846536 +	5	2261	4.57
LOC_Os12g06180.1	HVA22, putative, expressed	Chr12	2927943	2934406 +	8	1133	3.52
LOC_Os02g35210.1	resistance protein, putative, expressed	Chr2	21166678	21169952 +	2	2908	6.66
LOC_Os05g03060.1	expressed protein	Chr5	1195078	1199241 +	8	2514	4.91
LOC_Os04g46010.1	PPR repeat domain containing protein, putative, expressed	Chr4	27256245	27258942 -	2	1896	5.97
LOC_Os11g01875.1	lipase-related, putative, expressed	Chr11	477308	480695 -	9	2333	6.04
LOC_Os02g48630.1	expressed protein	Chr2	29783348	29786105 +	7	1937	5.84
LOC_Os07g01770.1	expressed protein	Chr7	452093	460151 -	8	1906	4.75
LOC_Os06g24250.1	expressed protein	Chr6	14197703	14198849 +	3	435	3.10
LOC_Os05g39770.1	aminotransferase, putative, expressed	Chr5	23355342	23360051 -	9	2936	-3.58
LOC_Os01g62500.1	OsFtsH3 FtsH protease, homologue of AtFtsH3/10, expressed	Chr1	36182449	36187998 -	8	3155	6.43
LOC_Os10g06740.1	receptor-like protein kinase precursor, putative, expressed	Chr10	3500565	3504202 +	2	3616	4.36
LOC_Os03g22330.1	blue-light photoreceptor PHR2, putative, expressed	Chr3	12794504	12797944 +	4	1957	3.14
LOC_Os06g42060.2	expressed protein	Chr6	25269114	25270617 -	1	1536	4.81
LOC_Os02g12480.9	expressed protein	Chr2	6508812	6513830 -	5	2574	-4.39
LOC_Os07g10495.1	expressed protein	Chr7	5652015	5653854 +	7	977	4.56
LOC_Os09g21450.1	cyclin, putative, expressed	Chr9	12969478	12971905 -	4	959	3.45
LOC_Os06g14190.1	NF-X1-type zinc finger protein, putative, expressed	Chr6	7920479	7924037 -	1	3591	5.54
LOC_Os05g39770.2	aminotransferase, putative, expressed	Chr5	23355342	23360051 -	8	2990	-3.58
LOC_Os03g15890.3	RNA recognition motif containing protein, expressed	Chr3	8767518	8770510 -	5	1987	5.09
LOC_Os01g13170.1	ubiquitin-conjugating enzyme E2, putative, expressed	Chr1	7340717	7345465 +	7	2089	5.16
LOC_Os03g57530.1	DUF593 domain containing protein, expressed	Chr3	32800592	32802990 +	3	1622	5.37
LOC_Os02g08440.1	WRKY71, expressed	Chr2	4542762	4544983 +	4	2004	-4.62
LOC_Os04g49590.1	regulatory protein, putative, expressed	Chr4	29577953	29581134 -	4	1911	5.26
LOC_Os08g40860.1	RNA pseudouridine synthase, putative, expressed	Chr8	25853729	25857347 +	8	2395	3.90
LOC_Os08g41550.1	ubiquitin carboxyl-terminal hydrolase, putative, expressed	Chr8	26245378	26250946 -	2	4916	5.25
LOC_Os02g49840.3	OsMADS57 - MADS-box family gene with MIKCC type-box, expressed	Chr2	30456666	30461554 +	3	1067	6.82
LOC_Os02g11060.1	WD domain, G-beta repeat domain containing protein, expressed	Chr2	5924720	5930096 +	7	1893	5.55
LOC_Os06g21620.1	expressed protein	Chr6	12472950	12476347 -	6	1535	6.62
LOC_Os03g26080.1	nucleoside-triphosphatase, putative, expressed	Chr3	14938457	14942303 +	8	2155	3.34
LOC_Os01g47110.1	expressed protein	Chr1	26916205	26916570 +	1	398	2.84
LOC_Os04g24165.1	retrotransposon protein, putative, unclassified, expressed	Chr4	13818100	13820532 -	2	1008	3.40

LOC_Os01g65560.1	snRK1-interacting protein 1, putative, expressed	Chr1	38055633	38057842 -	4	1030	3.24
LOC_Os03g60790.3	heat shock protein DnaJ, putative, expressed	Chr3	34539897	34541316 +	3	1101	4.15
LOC_Os12g43110.1	OsSAUR58 - Auxin-responsive SAUR gene family member, expressed	Chr12	26768220	26768893 +	1	706	3.06
LOC_Os03g55640.2	OsSigP2 - Putative Type I Signal Peptidase homologue%3B employs a putative Ser/Lys catalytic d	Chr3	31682861	31685057 -	4	2043	4.55
LOC_Os12g43930.1	zinc finger, C3HC4 type domain containing protein, expressed	Chr12	27263719	27265922 +	2	1291	3.46
LOC_Os08g42550.1	AP2 domain containing protein, expressed	Chr8	26887946	26895503 +	8	2284	4.66
LOC_Os09g12750.2	Myb-like DNA-binding domain containing protein, putative, expressed	Chr9	7316075	7322324 +	5	2980	4.67
LOC_Os12g17070.1	radical SAM enzyme, putative, expressed	Chr12	9766670	9772331 -	2	3663	6.01
LOC_Os02g44930.1	HMG1/2, putative, expressed	Chr2	27225275	27227213 +	7	1325	5.04
LOC_Os10g42860.1	ribosomal protein L35, putative, expressed	Chr10	23111980	23113864 -	3	868	3.55
LOC_Os07g37790.1	expressed protein	Chr7	22659562	22663678 +	11	1559	4.43
LOC_Os08g34170.1	CAF1 family ribonuclease containing protein, putative, expressed	Chr8	21418716	21421093 +	1	2410	4.43
LOC_Os04g43150.2	nuclear transport factor 2, putative, expressed	Chr4	25543324	25549593 +	9	3075	5.36
LOC_Os08g39830.2	ethylene-insensitive 3, putative, expressed	Chr8	25211515	25214797 +	3	2552	7.20
LOC_Os05g37150.2	syntaxin 6, N-terminal domain containing protein, expressed	Chr5	21708253	21711677 -	6	1879	4.44
LOC_Os06g12060.1	mTERF family protein, expressed	Chr6	6461154	6465270 -	4	3073	4.38
LOC_Os08g01030.1	metal cation transporter, putative, expressed	Chr8	18912	24200 -	13	1801	4.07
LOC_Os01g65940.1	expressed protein	Chr1	38283278	38286847 -	7	2101	3.84
LOC_Os07g25430.1	photosystem I reaction center subunit IV A, chloroplast precursor, putative, expressed	Chr7	14533304	14534386 +	3	939	4.11
LOC_Os01g64920.1	nuclear matrix protein 1, putative, expressed	Chr1	37686056	37689486 -	10	2211	4.82
LOC_Os02g55530.1	neurochondrin family protein, putative, expressed	Chr2	34000669	34006651 +	18	2517	5.81
LOC_Os02g37834.1	expressed protein	Chr2	22835797	22837146 +	3	780	4.97
LOC_Os07g49300.1	expressed protein	Chr7	29522442	29530773 +	24	4417	4.20
LOC_Os08g30020.3	membrane protein, putative, expressed	Chr8	18452698	18458174 +	13	2455	-4.66
LOC_Os11g02860.1	expressed protein	Chr11	969861	970384 -	2	547	2.92
LOC_Os12g42120.1	PPR repeat containing protein, expressed	Chr12	26117865	26120045 +	1	2213	5.40
LOC_Os03g13190.1	transposon protein, putative, unclassified, expressed	Chr3	7110944	7115128 -	7	1508	-3.48
LOC_Os01g19130.1	protein phosphatase 2C, putative, expressed	Chr1	10805496	10808081 -	4	1804	-3.08
LOC_Os02g08440.3	WRKY71, expressed	Chr2	4542762	4544983 +	3	2083	-4.62
LOC_Os02g40010.2	phosphoribosyl transferase, putative, expressed	Chr2	24223305	24228766 +	6	1459	6.31
LOC_Os03g05220.3	expressed protein	Chr3	2530961	2532705 +	4	1027	4.96
LOC_Os12g36930.1	expressed protein	Chr12	22641390	22643087 +	3	708	-4.88
LOC_Os03g12080.1	retrotransposon protein, putative, Ty3-gypsy subclass, expressed	Chr3	6339016	6340809 +	2	712	4.72
LOC_Os09g03690.1	expressed protein	Chr9	1861957	1864446 +	2	1052	3.20
LOC_Os03g59070.1	phosphatase, putative, expressed	Chr3	33627374	33630350 -	8	2159	4.43
LOC_Os05g40200.1	inactive receptor kinase At2g26730 precursor, putative, expressed	Chr5	23605419	23611006 -	3	2966	6.05
LOC_Os06g39900.3	agenet domain containing protein, putative, expressed	Chr6	23721773	23726847 -	5	2869	5.90
LOC_Os03g02080.2	expressed protein	Chr3	658651	661585 +	2	2893	6.31
LOC_Os08g35910.1	expressed protein	Chr8	22647366	22652881 -	8	2570	4.13
LOC_Os04g35640.1	retrotransposon protein, putative, unclassified, expressed	Chr4	21716811	21719152 +	2	2122	3.84
LOC_Os07g42250.1	strictosidine synthase, putative, expressed	Chr7	25287511	25290131 +	6	1751	5.71
LOC_Os02g39410.1	protein phosphatase 2C, putative, expressed	Chr2	23776248	23782298 -	10	2575	5.52
LOC_Os07g28260.5	expressed protein	Chr7	16512603	16521870 +	18	4893	3.96
LOC_Os02g55310.1	pentatricopeptide, putative, expressed	Chr2	33857140	33859405 -	2	2046	4.39
LOC_Os01g68490.1	tetratricopeptide-like helical, putative, expressed	Chr1	39794226	39799341 -	3	4136	5.21

LOC_Os01g68940.1	ubiquitin family domain containing protein, expressed	Chr1	40061847	40063523 -	3	402	5.22
LOC_Os06g40630.1	SFT2, putative, expressed	Chr6	24223752	24226794 +	4	1318	5.15
LOC_Os01g10280.3	phosphoribosylaminoimidazole carboxylase, chloroplast precursor, putative, expressed	Chr1	5406048	5412768 +	16	3208	5.22
LOC_Os02g37090.1	hydrolase, alpha/beta fold family domain containing protein, expressed	Chr2	22426234	22428905 +	6	1834	5.29
LOC_Os01g63710.2	CDC6 - Putative DNA replication initiation protein, expressed	Chr1	36952783	36956735 +	16	2547	5.49
LOC_Os08g30020.2	membrane protein, putative, expressed	Chr8	18452699	18458174 +	13	2505	-4.66
LOC_Os05g18524.1	expressed protein	Chr5	10720401	10723770 -	5	1846	4.13
LOC_Os04g17100.2	heavy metal-associated domain containing protein, expressed	Chr4	9367935	9369140 -	2	1149	-4.95
LOC_Os05g51590.1	N-rich protein, putative, expressed	Chr5	29584730	29586168 -	1	1471	-4.83
LOC_Os05g05330.1	expressed protein	Chr5	2625971	2630241 -	11	1987	4.91
LOC_Os10g41220.1	protein kinase family protein, putative, expressed	Chr10	22136928	22141736 +	10	3231	4.83
LOC_Os07g08460.2	OsIAA24 - Auxin-responsive Aux/IAA gene family member, expressed	Chr7	4355211	4356575 -	2	1342	4.64
LOC_Os03g20640.1	expressed protein	Chr3	11677890	11680211 +	9	1504	4.80
LOC_Os02g02550.1	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr2	924454	926632 +	7	1614	5.28
LOC_Os10g27090.1	expressed protein	Chr10	14278731	14283314 +	4	3022	4.81
LOC_Os04g51390.2	aldose 1-epimerase, putative, expressed	Chr4	30433199	30438328 +	8	2219	7.83
LOC_Os03g63660.1	expressed protein	Chr3	35955546	35960595 -	4	2213	3.84
LOC_Os08g39830.1	ethylene-insensitive 3, putative, expressed	Chr8	25211493	25214797 +	4	2661	7.21
LOC_Os09g30105.1	expressed protein	Chr9	18301264	18304037 -	6	1143	4.57
LOC_Os02g30974.1	expressed protein	Chr2	18501203	18509632 -	12	2960	5.82
LOC_Os02g51830.1	tRNA synthetase class II core domain containing protein, expressed	Chr2	31748768	31754456 -	11	2735	6.87
LOC_Os08g09780.1	expressed protein	Chr8	5652681	5655649 +	5	2239	5.45
LOC_Os08g30020.1	membrane protein, putative, expressed	Chr8	18452605	18458174 +	13	2551	-4.66
LOC_Os03g06654.2	flavin monooxygenase, putative, expressed	Chr3	3355041	3360485 +	7	3918	4.40
LOC_Os01g39840.1	expressed protein	Chr1	22472670	22474413 -	2	1696	5.68
LOC_Os10g33960.3	START domain containing protein, expressed	Chr10	18085536	18089851 +	13	2220	4.89
LOC_Os12g10560.1	clathrin adaptor complex small chain domain containing protein, expressed	Chr12	5602144	5605797 +	6	648	5.16
LOC_Os07g30110.1	expressed protein	Chr7	17767542	17771514 +	9	1539	4.71
LOC_Os11g08314.1	methyltransferase, putative, expressed	Chr11	4380785	4387947 +	6	3769	4.74
LOC_Os03g11910.1	DnaK family protein, putative, expressed	Chr3	6243990	6247317 -	2	2384	6.99
LOC_Os12g02970.1	RNA binding protein, putative, expressed	Chr12	1098580	1101299 -	7	1667	5.45
LOC_Os04g04254.1	sterol 3-beta-glucosyltransferase, putative, expressed	Chr4	1985634	1997948 -	14	2830	5.00
LOC_Os09g29404.1	glycogen operon protein glgX, putative, expressed	Chr9	17857352	17868669 -	23	4179	6.65
LOC_Os06g01440.1	integral membrane protein, putative, expressed	Chr6	266681	271992 +	9	2794	-6.31
LOC_Os05g43820.3	ras-related protein, putative, expressed	Chr5	25474799	25477947 +	9	1405	4.86
LOC_Os07g08460.1	OsIAA24 - Auxin-responsive Aux/IAA gene family member, expressed	Chr7	4355211	4356575 -	3	1262	4.64
LOC_Os03g51459.1	expressed protein	Chr3	29448143	29450245 -	3	843	3.09
LOC_Os01g26920.1	expressed protein	Chr1	14993201	14998107 -	9	1692	4.74
LOC_Os04g01590.1	arginase, putative, expressed	Chr4	396481	400947 +	6	1801	4.76
LOC_Os01g03144.1	white-brown complex homolog protein 7, putative, expressed	Chr1	1222905	1230507 -	12	3968	6.38
LOC_Os06g46670.3	glutamate receptor, putative, expressed	Chr6	28345652	28349161 +	3	2058	5.22
LOC_Os10g22560.1	peptide transporter PTR2, putative, expressed	Chr10	11691142	11695039 -	5	3249	5.83
LOC_Os01g55020.3	expressed protein	Chr1	31635593	31638351 +	4	795	3.20
LOC_Os04g33050.1	HIRAN domain containing protein, putative, expressed	Chr4	20009913	20015529 +	12	3672	4.30
LOC_Os11g06410.1	homeodomain, putative, expressed	Chr11	3091535	3096323 +	3	2965	5.85

LOC_Os09g26580.1	expressed protein	Chr9	16097465	16102821	+	10	2699	3.72
LOC_Os05g08854.2	expressed protein	Chr5	4886631	4890243	-	4	1762	3.69
LOC_Os12g43730.1	expressed protein	Chr12	27162465	27167702	+	7	3429	5.27
LOC_Os06g39900.2	agenet domain containing protein, putative, expressed	Chr6	23721773	23726847	-	4	2936	5.90
LOC_Os12g41780.2	glycosyl transferase family 17 protein, putative, expressed	Chr12	25882977	25885922	+	2	2197	3.84
LOC_Os02g07220.1	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed	Chr2	3711144	3713440	-	4	1141	3.41
LOC_Os12g41780.1	glycosyl transferase family 17 protein, putative, expressed	Chr12	25882977	25885922	+	2	2202	3.84
LOC_Os06g42540.1	expressed protein	Chr6	25582962	25585092	+	3	1093	3.28
LOC_Os03g58650.2	expressed protein	Chr3	33402553	33405439	+	8	1482	5.35
LOC_Os03g06654.1	flavin monooxygenase, putative, expressed	Chr3	3355041	3360485	+	7	3980	4.40

Table S5. Expression patterns of genes involved in different hormone pathways as determined by mRNA-Seq analysis. Log2FC of expression in 7 dai complete galls (vs. control root tips; data extracted from Kyndt et al., 2012a), and the here-generated data of 7 dai giant cells and 14 dai giant cells versus the uninfected control cells.

	Locus number	Annotation	7 dai gall	7 dai GC	14 dai GC
SA-biosynthesis	loc_os03g14990.1	chorismate synthase 2, chloroplast precursor	0,55	-3,70	-4,81
	loc_os04g43800.1	phenylalanine ammonia-lyase	0,11	-0,65	-0,97
	loc_os02g41670.1	phenylalanine ammonia-lyase	-0,22	-3,13	-6,06
	loc_os11g48110.1	phenylalanine ammonia-lyase	2,17	-2,61	-1,70
	loc_os12g33610.1	phenylalanine ammonia-lyase	3,91	-0,19	-0,54
	loc_os04g43760.1	phenylalanine ammonia-lyase	0,64	-1,25	-1,36
	loc_os02g41680.1	phenylalanine ammonia-lyase	-1,88	-5,31	-5,37
	loc_os02g41650.1	phenylalanine ammonia-lyase	0,88	-3,47	-4,56
	loc_os02g41630.1	phenylalanine ammonia-lyase	1,13	-3,11	-4,87
	loc_os05g35290.1	phenylalanine ammonia-lyase	1,59	-3,74	-2,75
	LOC_Os09g19734	isochorismate synthase 1, chloroplast precursor	-0,87	2,17	-1,54
JA-biosynthesis	loc_os08g39850.1	lipoxigenase 8, chloroplast precursor	0,95	-0,637	-1,699
	loc_os03g49380.1	lipoxigenase 4	-0,05	0,366	-7,716
	loc_os03g49260.1	lipoxigenase 1	-0,22	2,452	-3,269
	loc_os08g39840.1	lipoxigenase 7, chloroplast precursor	1,00	0,00	0,849
	loc_os03g08220.1	lipoxigenase 6	0,66	-2,212	3,499
	loc_os03g52860.1	lipoxigenase 2	-1,57	-0,271	-2,335
	loc_os02g19790.1	lipoxigenase 3, putative	2,00	0,481	0,00
	loc_os03g49350.1	lipoxigenase 3	0,65	-1,326	-5,368
	loc_os04g37430.1	lipoxigenase 5	1,12	-4,208	-5,491
	loc_os02g10120.1	lipoxigenase 2.3, chloroplast precursor	1,59	3,827	3,681
	loc_os05g23880.1	lipoxigenase A	0,08	-1,811	-6,087
	loc_os03g55800.1	allene oxide synthase 1, chloroplast precursor	0,12	-4,956	-2,017
	loc_os02g12690.1	allene oxide synthase 4	-0,88	-6,205	-6,655
	loc_os03g12500.1	allene oxide synthase 2	4,41	-1,633	0,00
	loc_os02g12680.1	allene oxide synthase 3	0,08	0,00	0,00
	loc_os03g32314.1	allene oxide cyclase 4, chloroplast precursor	0,12	-2,177	0,5
	loc_os08g35740.1	12-oxophytodienoate reductase 3	0,54	-0,013	0,729
	loc_os06g11290.1	12-oxophytodienoate reductase 2	-0,10	-3,238	-4,53
	loc_os06g11200.1	12-oxophytodienoate reductase 2	3,00	-0,811	-0,925

	loc_os06g11240.1	12-oxophytodienoate reductase 2	3,06	-7,008	0,849
	loc_os02g35310.1	12-oxophytodienoate reductase 2	-3,07	-3,221	1,977
	loc_os01g27230.1	12-oxophytodienoate reductase 2	2,95	3,468	-3,32
	loc_os06g11210.1	12-oxophytodienoate reductase 2	1,07	-5,413	-6,188
	loc_os06g11280.1	12-oxophytodienoate reductase 2	1,39	-2,899	-5,293
ABA- biosynthesis	loc_os07g07050.1	abscisic-aldehyde oxidase	1,60	-1,669	5,075
	loc_os07g18120.1	abscisic-aldehyde oxidase 1	0,14	6,402	7,309
	loc_os10g04860.1	abscisic-aldehyde oxidase	0,03	-3,813	-7,92
	loc_os07g18158.1	abscisic-aldehyde oxidase	0,00	-3,373	0,486
	loc_os07g18154.1	aldehyde oxidase 1	-1,32	-3,912	5,676
	loc_os03g57690.1	aldehyde oxidase 1	0,78	-2,108	-4,395
	loc_os04g46470.1	dioxygenase RAMOSUS5	0,49	-1,038	-3,074
	loc_os03g57680.1	aldehyde oxidase 1	0,83	-1,544	-4,146
	loc_os04g37619.1	zeaxanthin epoxidase	1,41	-1,179	-0,914
	loc_os07g05940.1	9-cis-epoxycarotenoid dioxygenase	2,00	0,00	0,849
	loc_os12g42280.1	9-cis-epoxycarotenoid dioxygenase	2,81	0,186	-3,184
	loc_os08g28240.1	9-cis-epoxycarotenoid dioxygenase	1,59	2,827	2,297
	loc_os12g44310.1	9-cis-epoxycarotenoid dioxygenase	1,61	-3,177	-1,284
	loc_os02g47510.1	9-cis-epoxycarotenoid dioxygenase	4,09	0,492	0,00
	loc_os03g44380.1	9-cis-epoxycarotenoid dioxygenase	3,81	0,858	-6,886
	loc_os06g45860.1	molybdenum cofactor sulfurase	0,53	-1,506	6,841
ABA- degradation	loc_os08g36860.1	8-hydroxylase	4,03	9,972	5,696
GA- biosynthesis	loc_os04g09900.1	ent-kaurene synthase A, chloroplast precursor	2,83	-2,621	-9,446
	loc_os02g36210.1	ent-kaurene synthase A, chloroplast precursor	5,21	-2,689	0
	loc_os02g17780.1	ent-kaurene synthase A, chloroplast precursor	2,00	0,067	2,203
	loc_os04g52230.1	ent-kaurene synthase B, chloroplast precursor	3,46	7,152	6,087
	loc_os04g10060.1	ent-kaurene synthase B, chloroplast precursor	1,74	1,575	-6,684
	loc_os06g37330.1	ent-kaurene oxidase	0,53	2,14	-0,978
	loc_os06g37224.1	ent-kaurene oxidase	3,32	1,129	0
	loc_os06g37300.1	ent-kaurene oxidase	7,75	-2,254	0
	loc_os03g42130.1	gibberellin 20 oxidase 2	3,14	2,432	6,85
	loc_os03g63970.1	gibberellin 20 oxidase 1	5,70	0	-6,076
	loc_os01g66100.1	gibberellin 20 oxidase 2	3,92	2,71	1,333
	loc_os05g34854.1	gibberellin 20 oxidase 2	3,12	0,858	1,694
GA- degradation	loc_os01g55240.1	gibberellin 2-beta-dioxygenase	0,35	-7,764	-2,371
	loc_os02g41954.1	gibberellin 2-beta-dioxygenase 7	5,43	3,041	4,814
	loc_os01g11150.1	gibberellin 2-beta-dioxygenase	4,81	0,841	-2,185
	loc_os05g06670.1	gibberellin 2-oxidase	-0,40	4,64	-2,186

	loc_os04g44150.1	gibberellin 2-beta-dioxygenase 7	-1,00	3,022	0
	loc_os05g11810.1	gibberellin 2-beta-dioxygenase 1	1,48	3,482	1,442
DELLA proteins	loc_os03g49990.1	DELLA protein SLR1	0,95	3,604	2,597
	loc_os01g45860.1	DELLA protein RGA	2,50	0,841	0
ET- biosynthesis	loc_os04g48850.1	1-aminocyclopropane-1-carboxylate synthase	-3,59	0,00	-0,38
	loc_os01g09700.1	1-aminocyclopropane-1-carboxylate synthase 7	-3,56	-3,52	0,97
	loc_os06g03990.1	aminotransferase ACS12	-0,46	2,32	4,73
	loc_os09g28050.1	asparate aminotransferase	-1,09	-0,34	0,11
	loc_os03g48430.1	1-aminocyclopropane-1-carboxylate oxidase	2,62	0,49	0,00
	loc_os06g14390.1	1-aminocyclopropane-1-carboxylate oxidase	1,22	1,76	1,62
	loc_os05g05670.1	1-aminocyclopropane-1-carboxylate oxidase	5,94	-1,13	-3,61
	loc_os06g37590.1	1-aminocyclopropane-1-carboxylate oxidase 2	-2,00	2,52	0,49
	loc_os03g64280.1	1-aminocyclopropane-1-carboxylate oxidase	1,30	0,84	0,00
	loc_os05g05680.1	1-aminocyclopropane-1-carboxylate oxidase	5,30	-3,47	-2,33
	loc_os08g30080.1	1-aminocyclopropane-1-carboxylate oxidase	1,32	1,78	0,00
	loc_os01g39860.1	1-aminocyclopropane-1-carboxylate oxidase 1	1,22	4,41	4,61
	loc_os03g63900.1	1-aminocyclopropane-1-carboxylate oxidase 2	1,90	-4,30	-3,37
	loc_os06g14400.1	1-aminocyclopropane-1-carboxylate oxidase	1,05	5,05	3,16
	loc_os11g08380.1	1-aminocyclopropane-1-carboxylate oxidase	-1,69	-5,98	-0,54
	loc_os02g53180.1	1-aminocyclopropane-1-carboxylate oxidase 1	5,02	4,78	3,41
	loc_os09g27750.1	1-aminocyclopropane-1-carboxylate oxidase 1	4,71	-2,91	0,00