

FIG. S1. Genome alignment of rufipogon, indica and japonica against *O. longistaminata* performed using MUMmer. A large inversion, marked using a blue circle, was found in indica accessions.

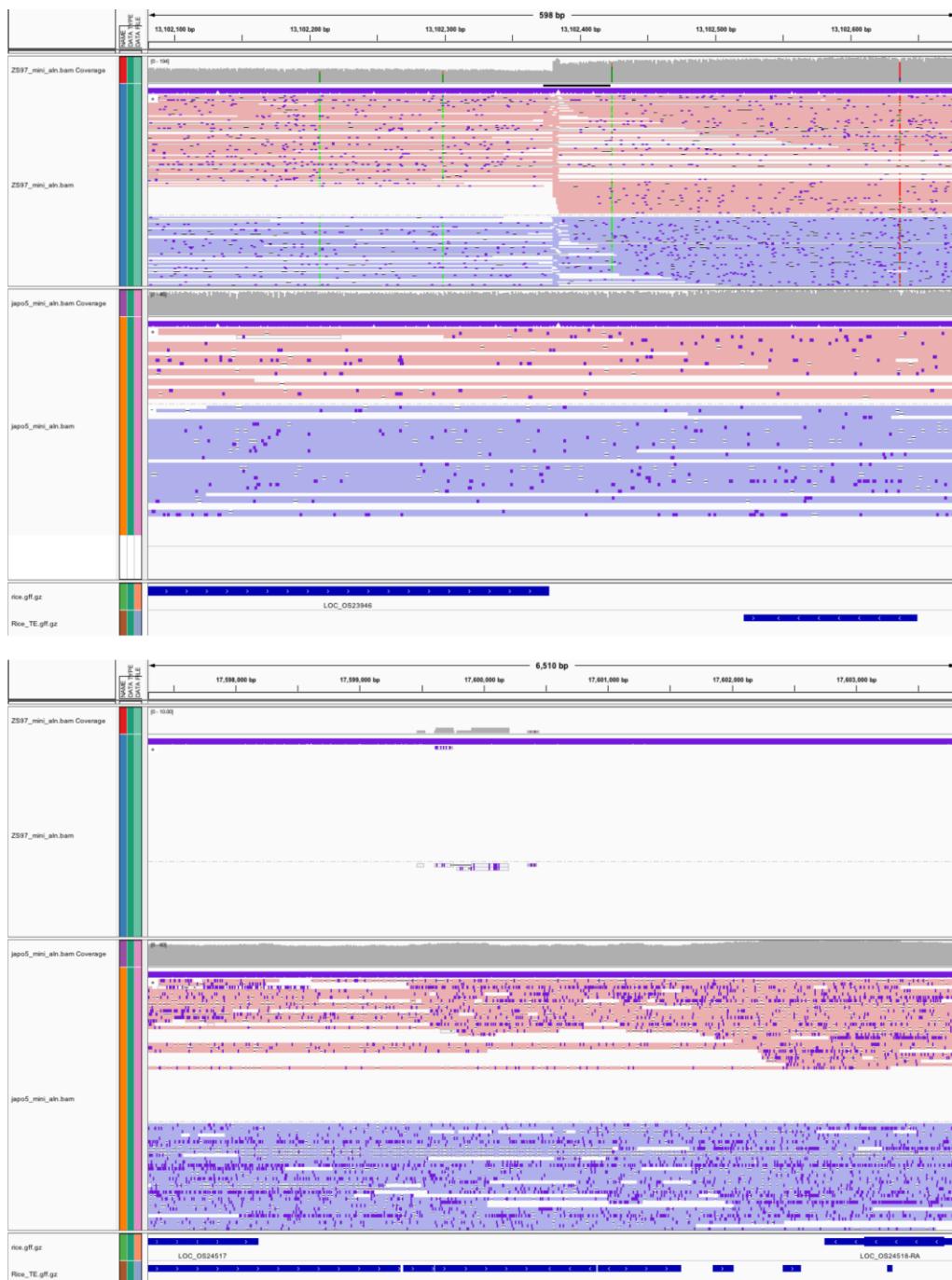


FIG. S2. Breakpoint of the inversion in indica identified by genome alignment against *O. longistaminata*.

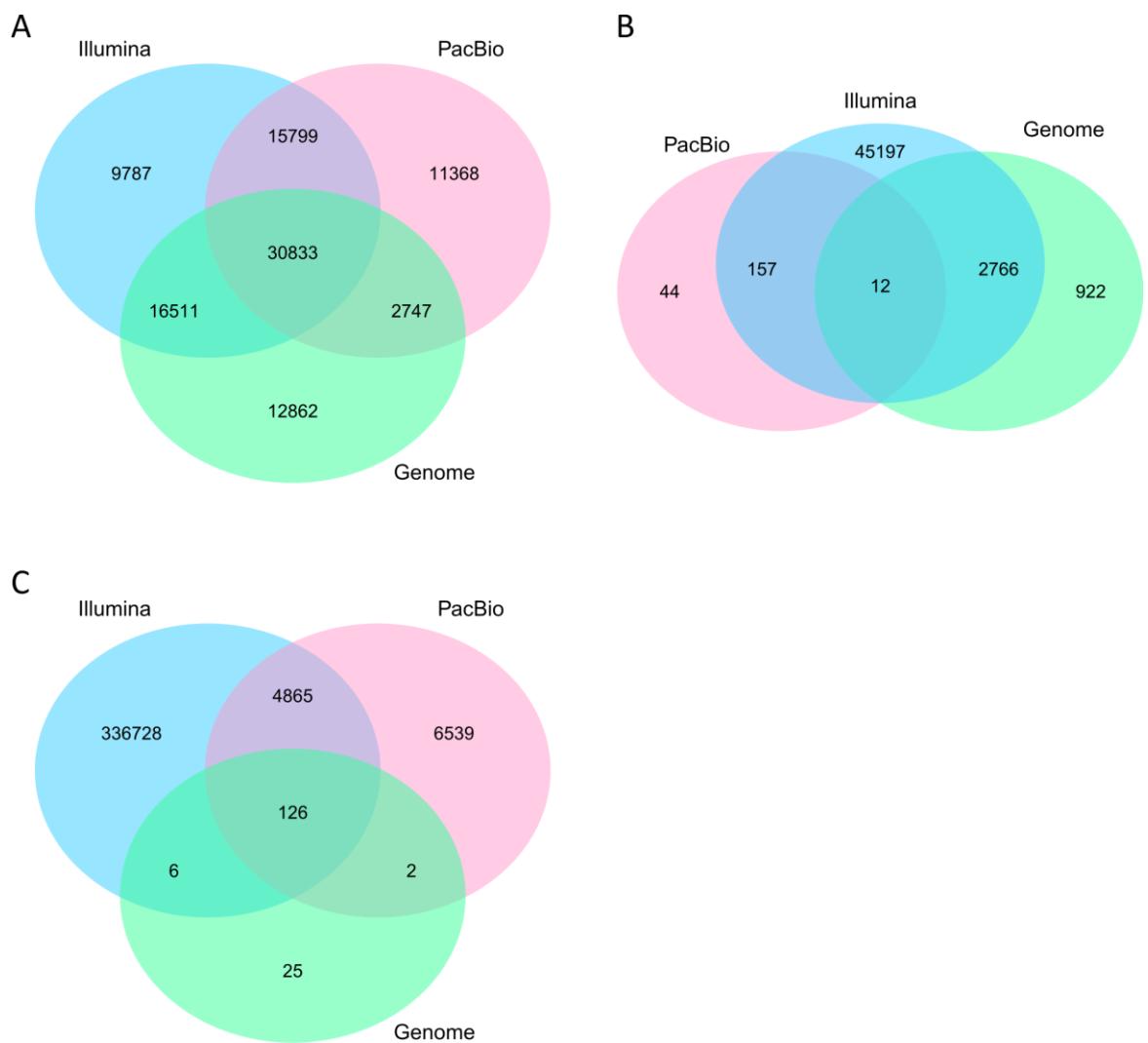


FIG. S3. Venn diagrams based on (A) DEL, (B) DUP, and (C) INV detected from Illumina, PacBio, and Genome data. See **figure 1D** for the results combined across the three SV categories.

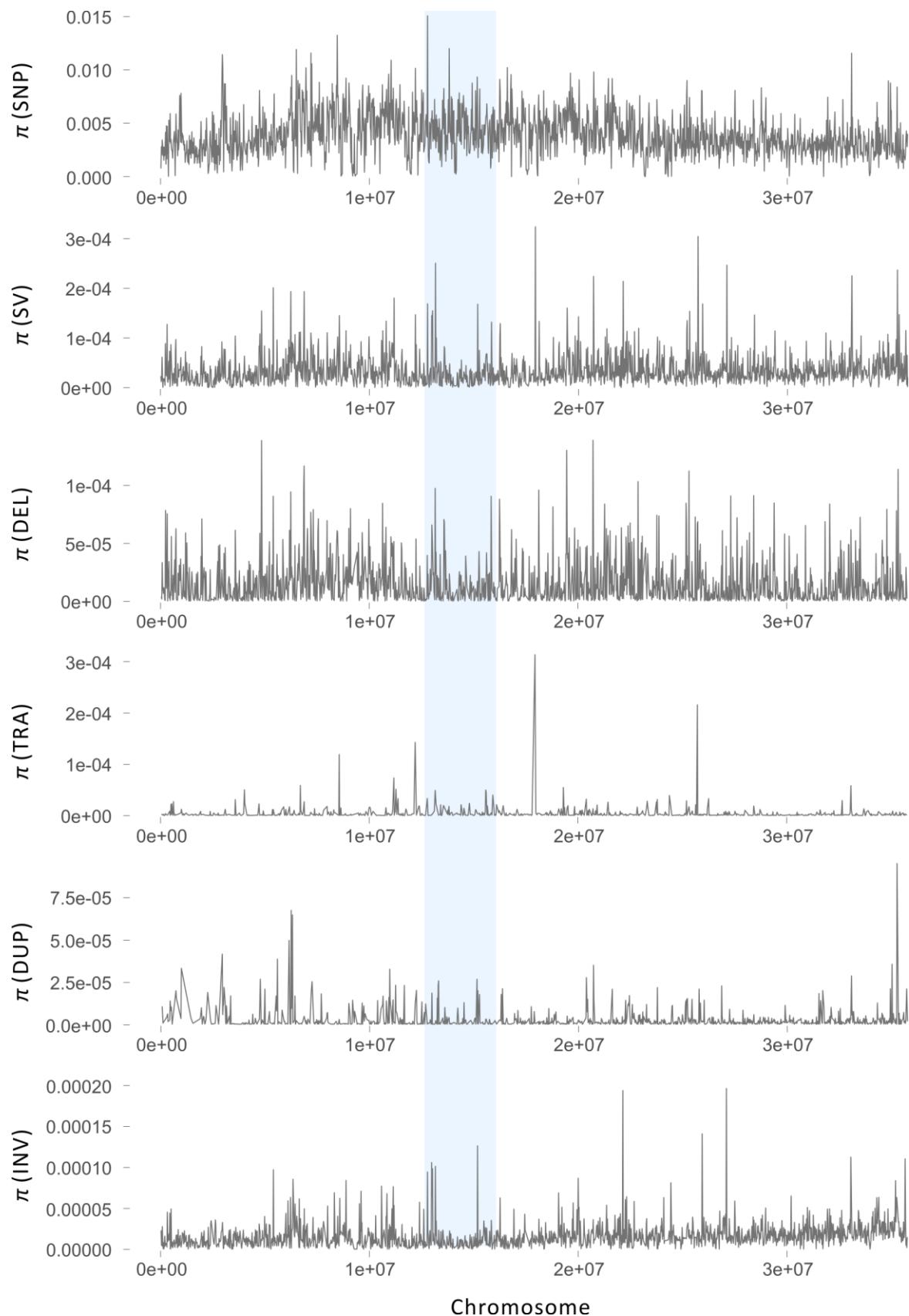


FIG. S4. Distribution of genetic diversity (π) for SNPs and SVs (DEL, DUP, TRA, INV) along chromosome 2 in rufipogon. Light blue bar represents the centromere.

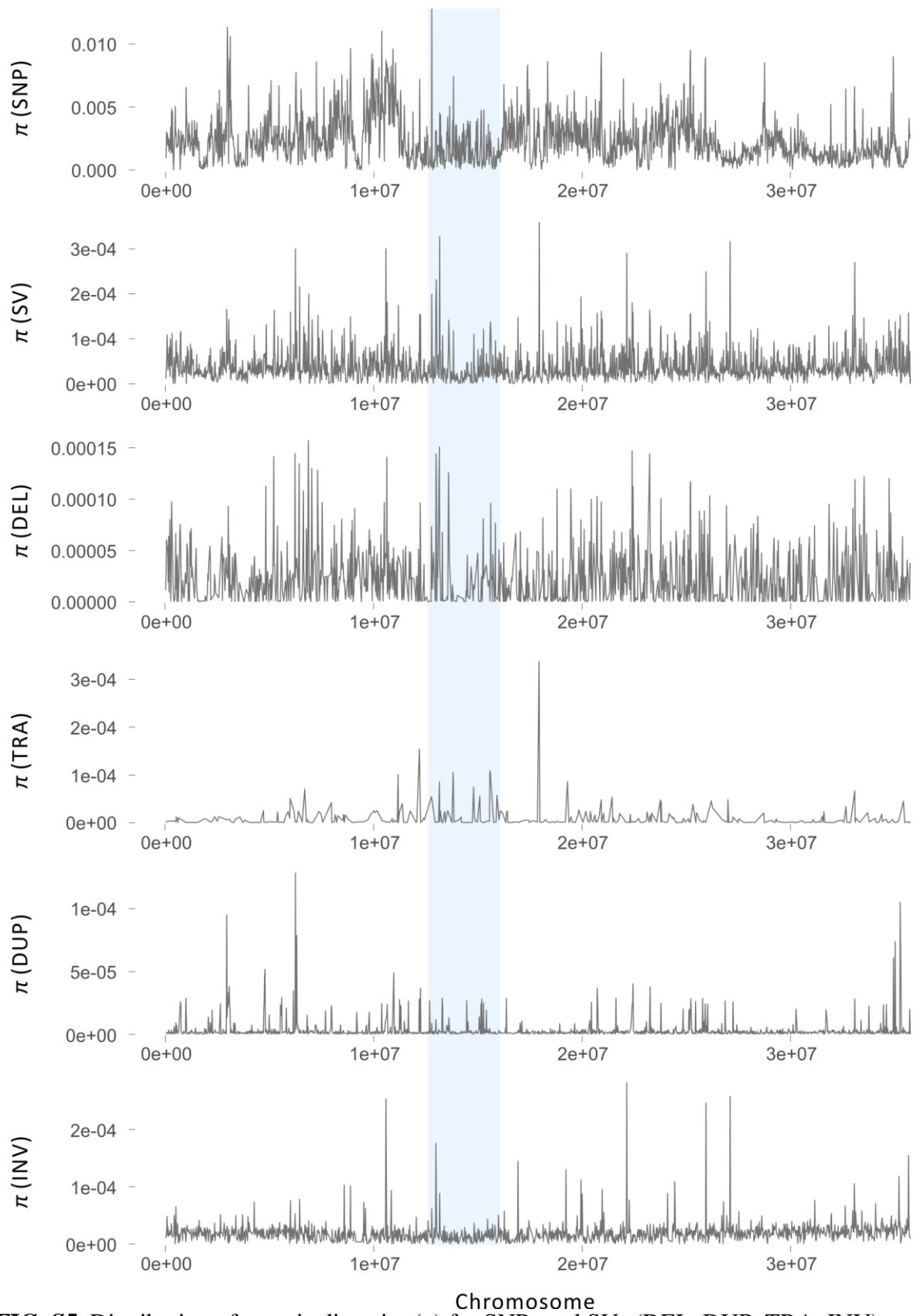


FIG. S5. Distribution of genetic diversity (π) for SNPs and SVs (DEL, DUP, TRA, INV) along chromosome 2 in indica. Light blue bar represent the centromere.

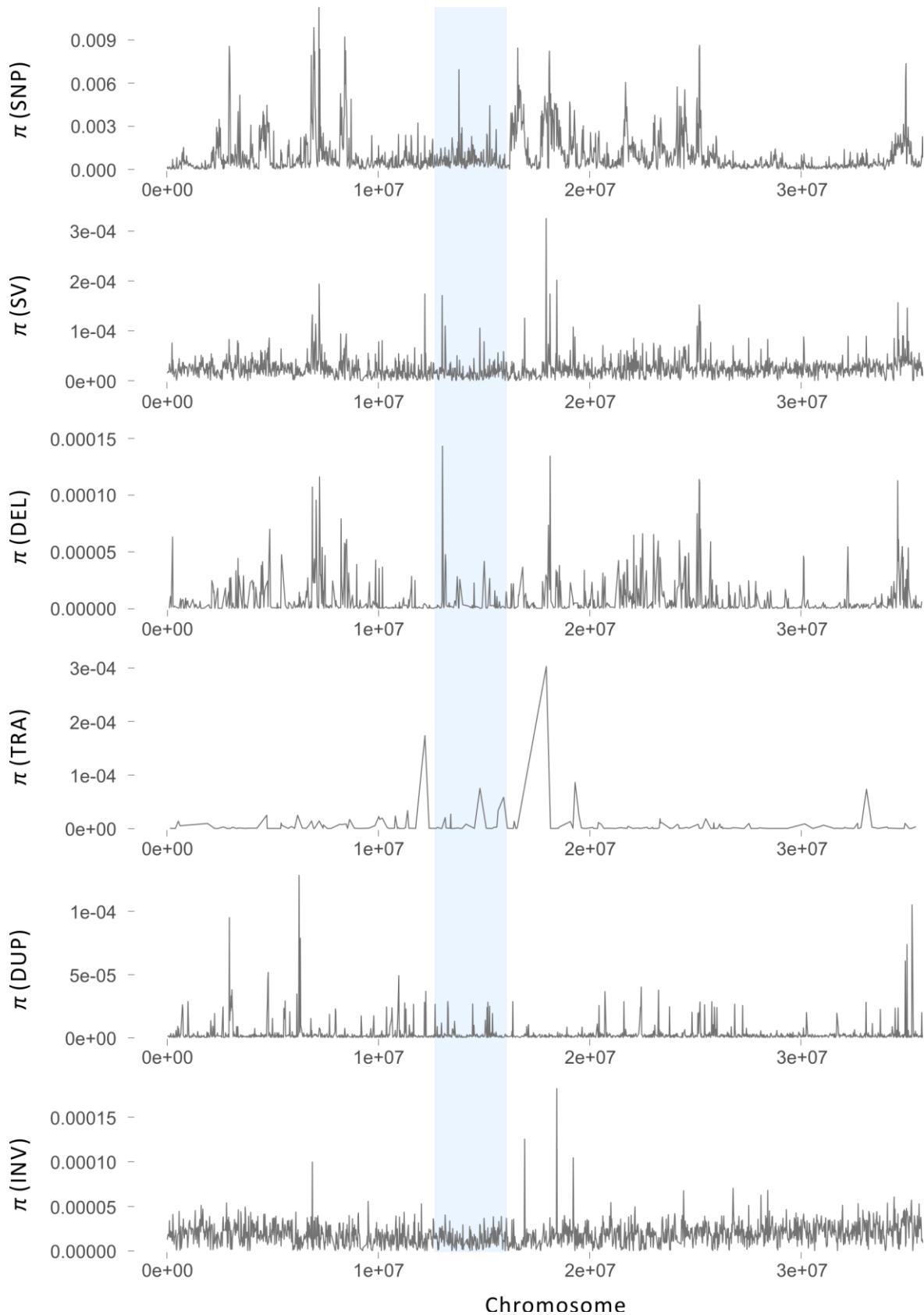


FIG. S6. Distribution of genetic diversity (π) for SNPs and SVs (DEL, DUP, TRA, INV) along chromosome 2 in japonica. Light blue bar represents the centromere.

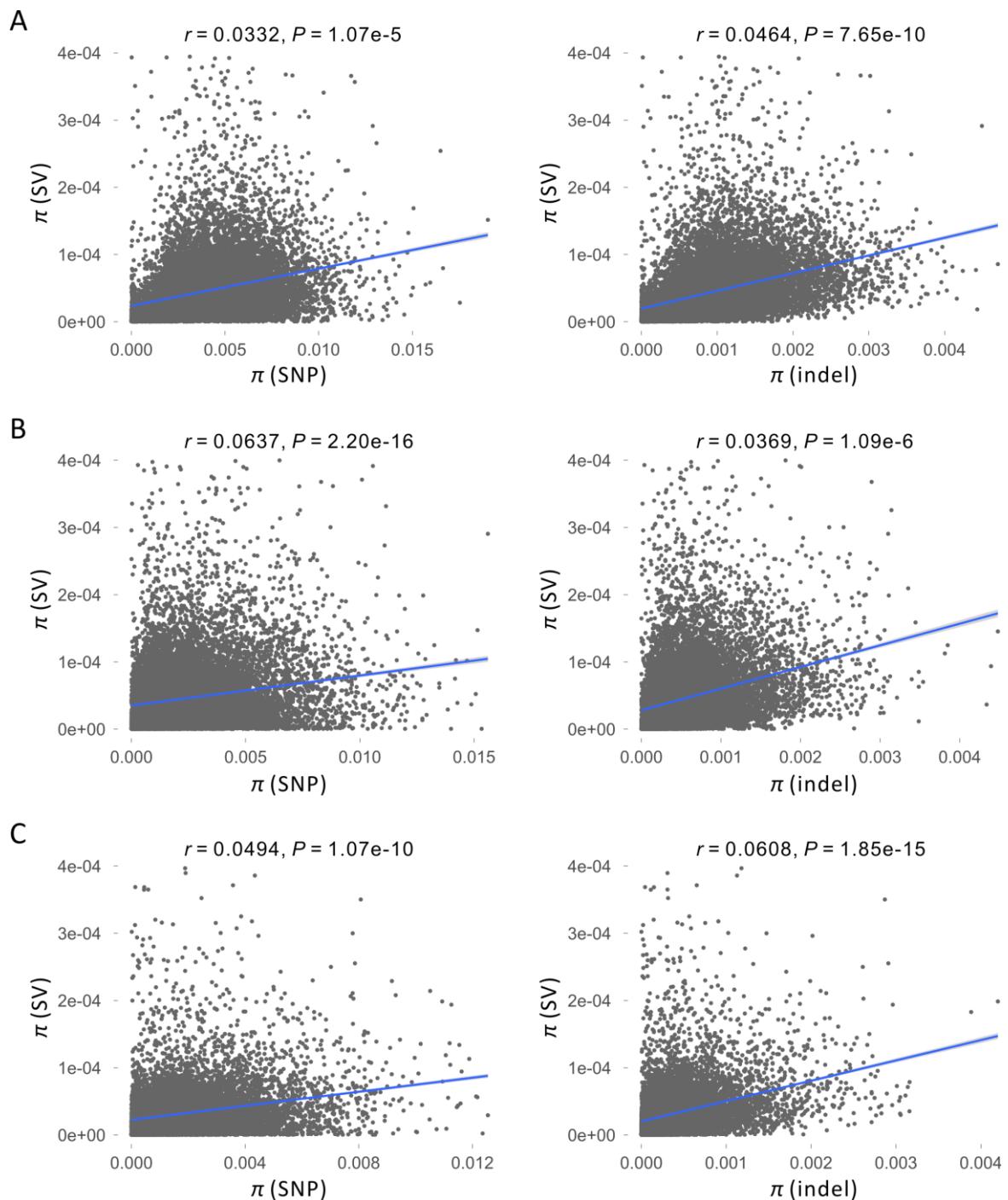


FIG. S7. The correlation (Pearson r) between genetic diversity (π) of SVs and that of SNPs and indels in rufipogon (A), indica (B), and japonica (C).

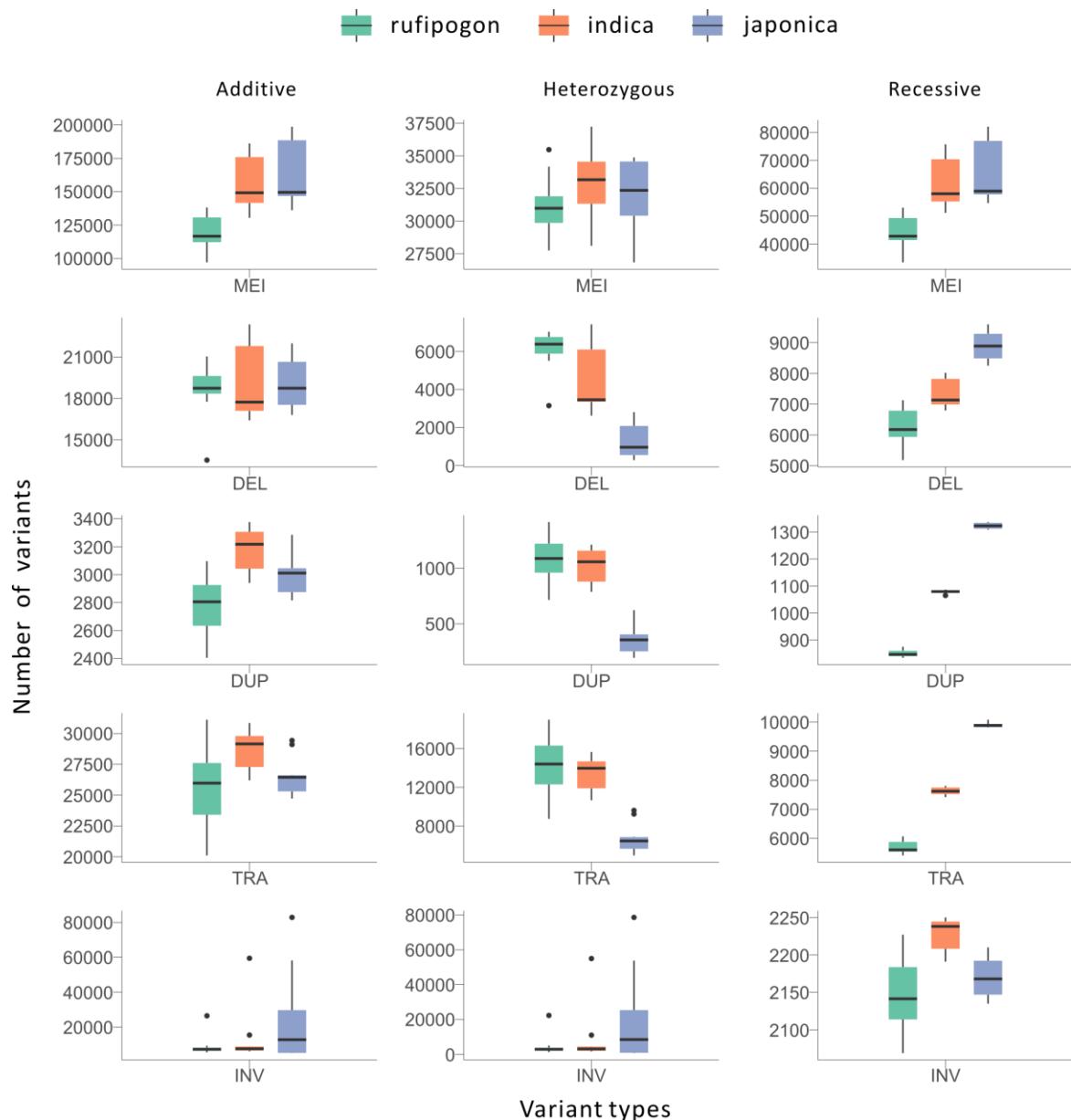


FIG. S8. The additive, heterozygous and recessive (homozygous) burden for three taxa and various categories of SV. See **figure 3A** of the main text to see the additive, heterozygous and recessive burden for all of SV.

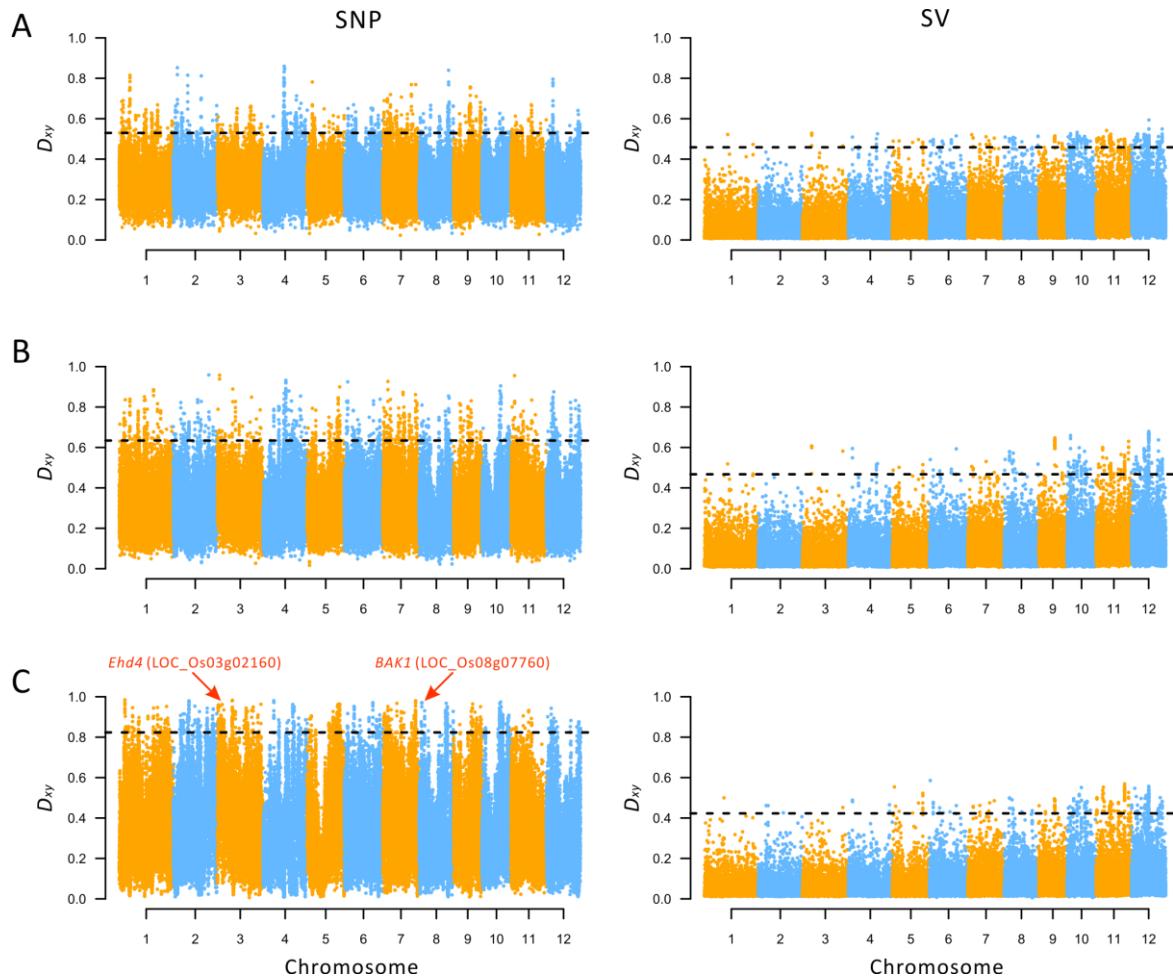


FIG. S9. Genomic differentiation (D_{xy}) between rufipogon and indica (A), rufipogon and japonica (B), and indica and japonica (C) based on SNPs and SVs in 20 kb windows. The dashed line represents the 99% cutoff. The arrows denote a couple of genes of interest.

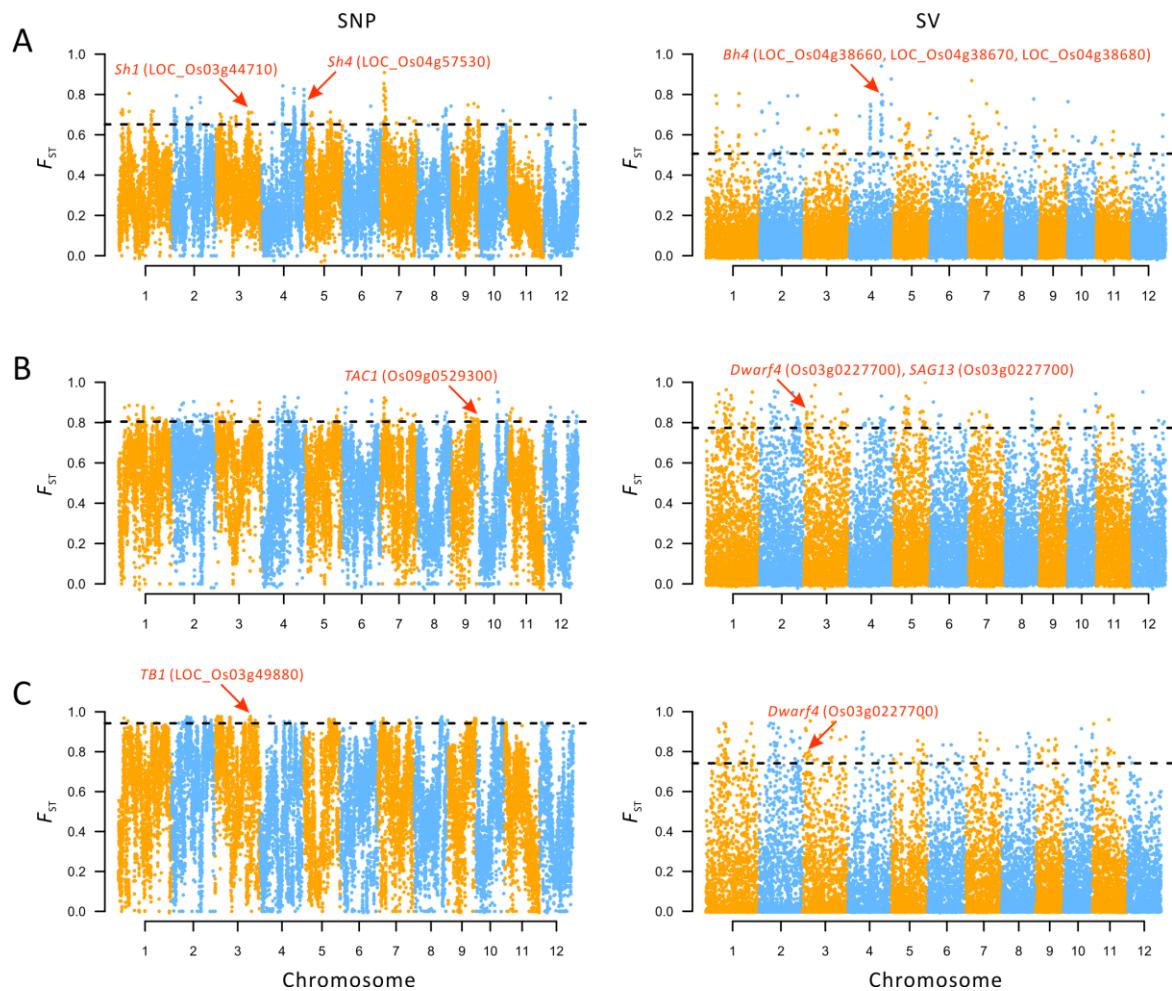


FIG. S10. Genomic differentiation (F_{ST}) between rufipogon and indica (**A**), rufipogon and japonica (**B**), and indica and japonica (**C**) based on SNPs and SVs in 20 kb non-overlapping windows. The dashed line represents the 99% cutoff. Arrows denote genes of interest.

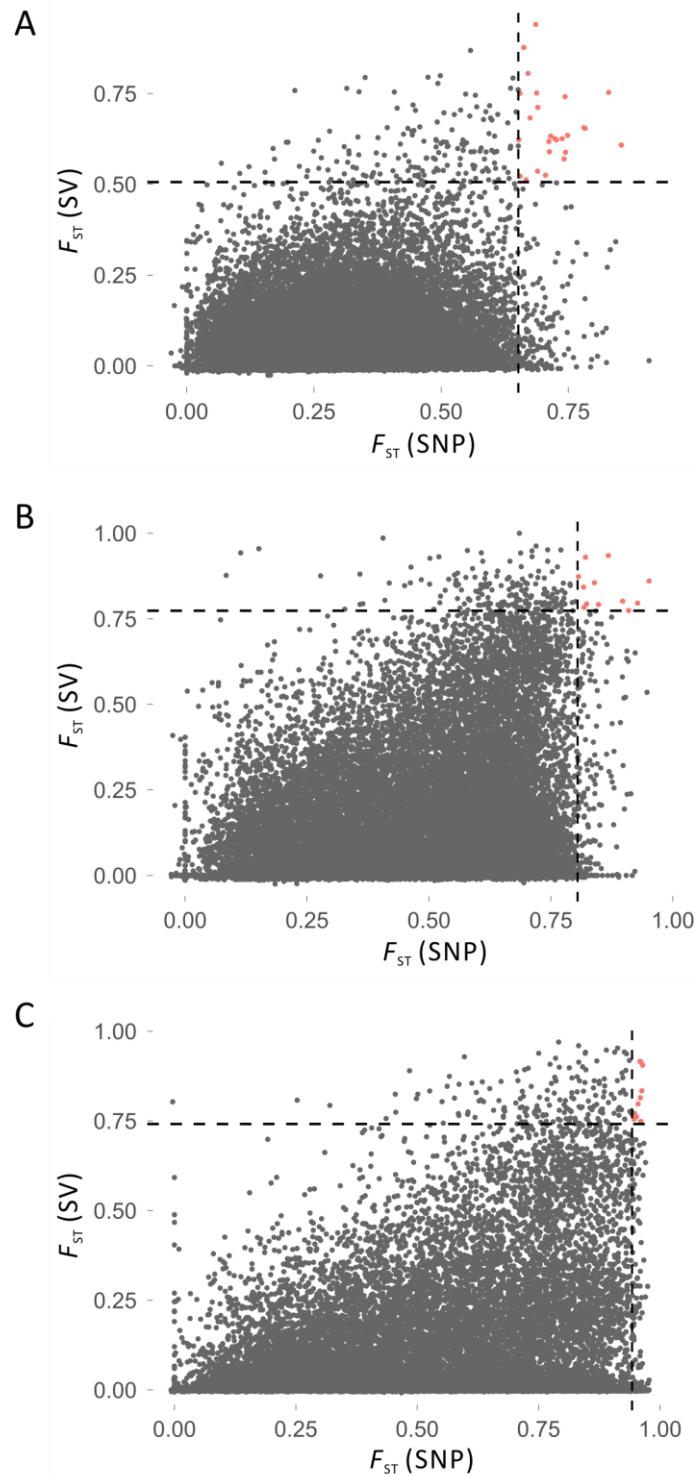


FIG. S11. Comparison of F_{ST} between SNPs and SVs. **(A)** F_{ST} is between rufipogon and indica, **(B)** F_{ST} is between rufipogon and japonica, **(C)** F_{ST} is between indica and japonica. The dashed line represents the 99% cutoff. Red dots represent the sites of significant differentiation in both SNP and SV, and there are 26, 12 and 10 sites in **(A)** F_{ST} between rufipogon and indica, **(B)** F_{ST} between rufipogon and japonica, **(C)** F_{ST} between indica and japonica, respectively.

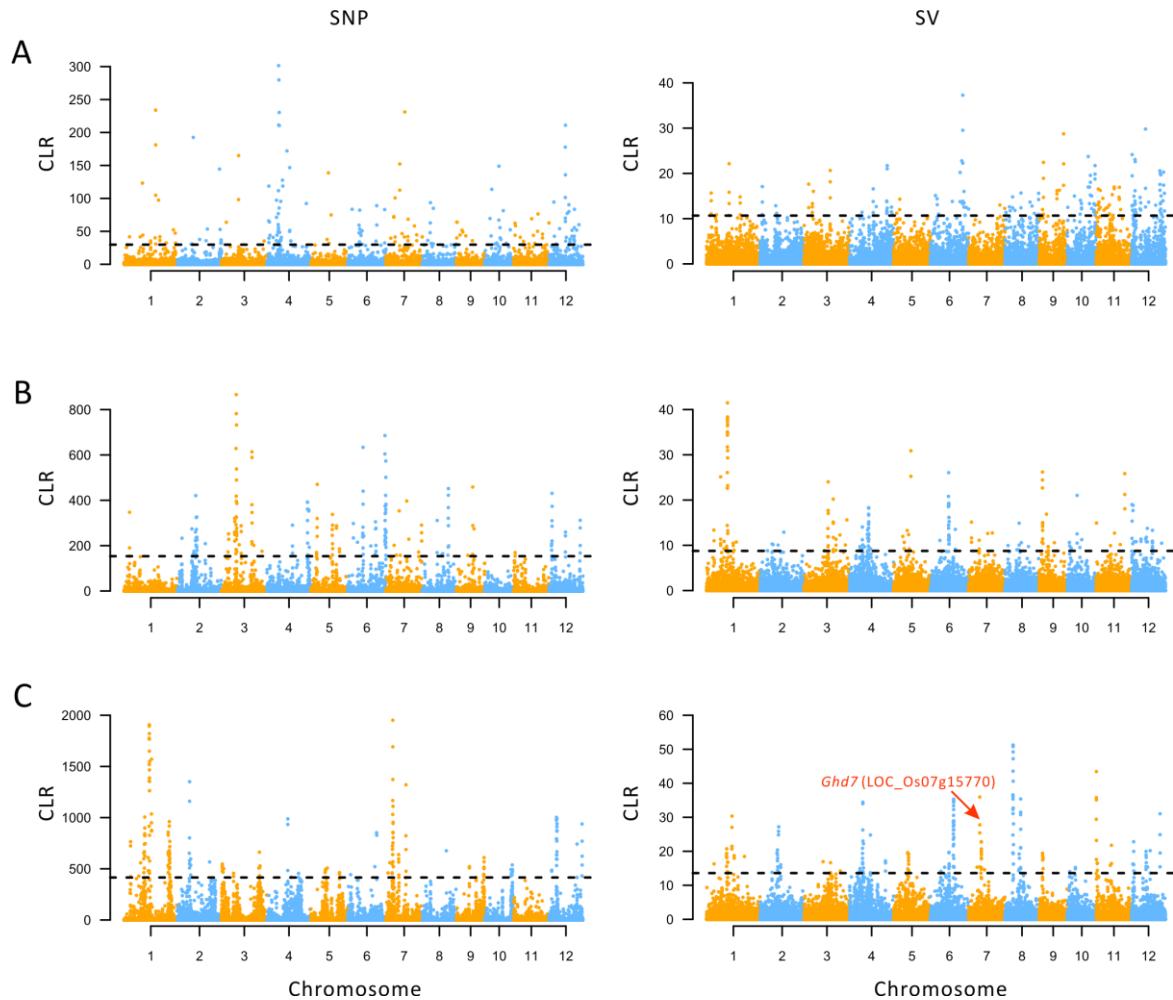


FIG. S12. Selective sweeps for rufipogon (A), indica (B) and japonica (C) detected by composite likelihood ratio (CLR) test based on SNPs and SVs in 20 kb non-overlapping windows. The dashed line represents the 99% cutoff. Red arrow represent a gene *Ghd7* related to tillering.

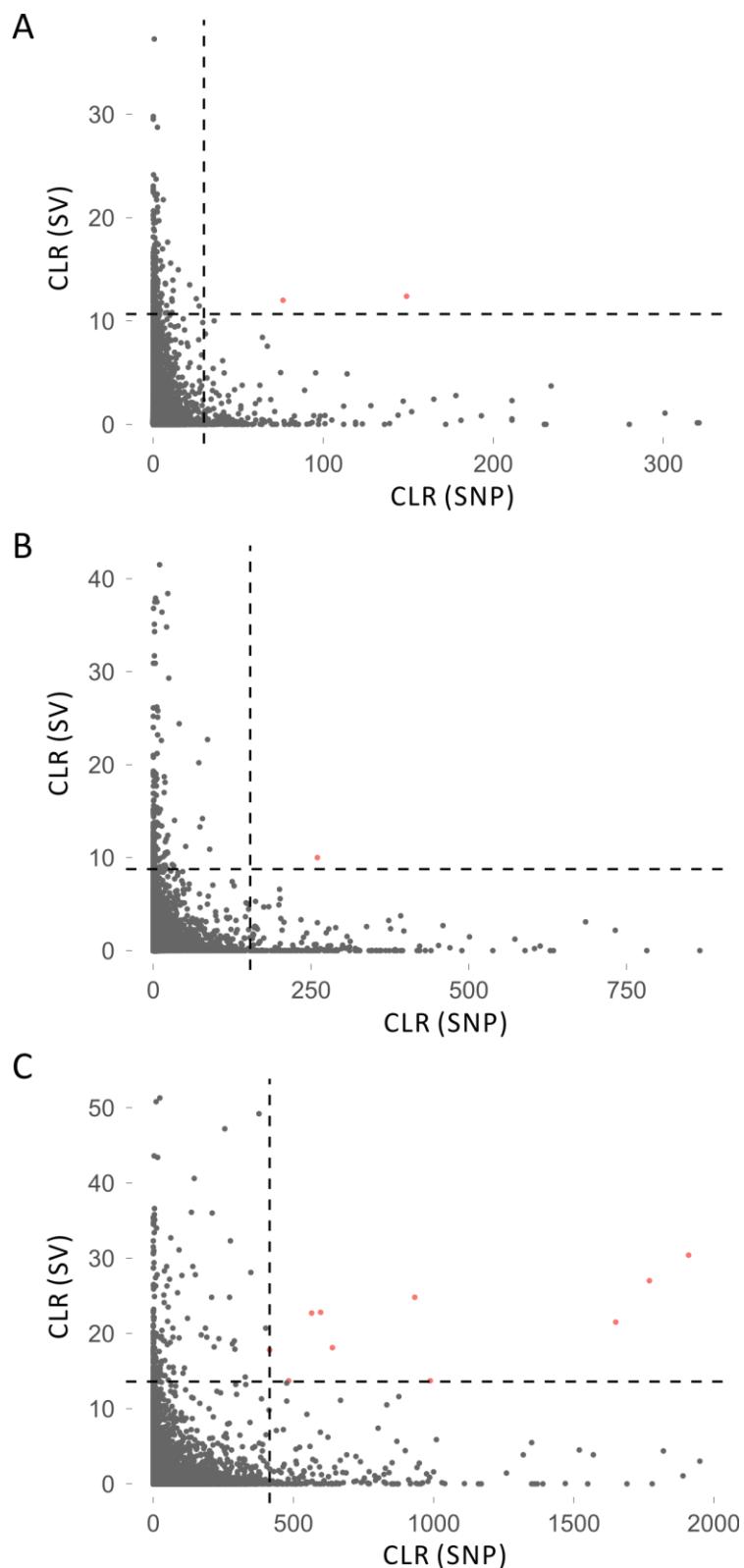


FIG. S13. Comparison of CLR between SNPs and SVs for (A) *rufipogon*, (B) *indica* and (C) *japonica*. These graphs reveal little correspondence (red dots) between CLRs based on SNPs (left) and SVs (right) in supplementary **figure S12**, Supplementary Material online.

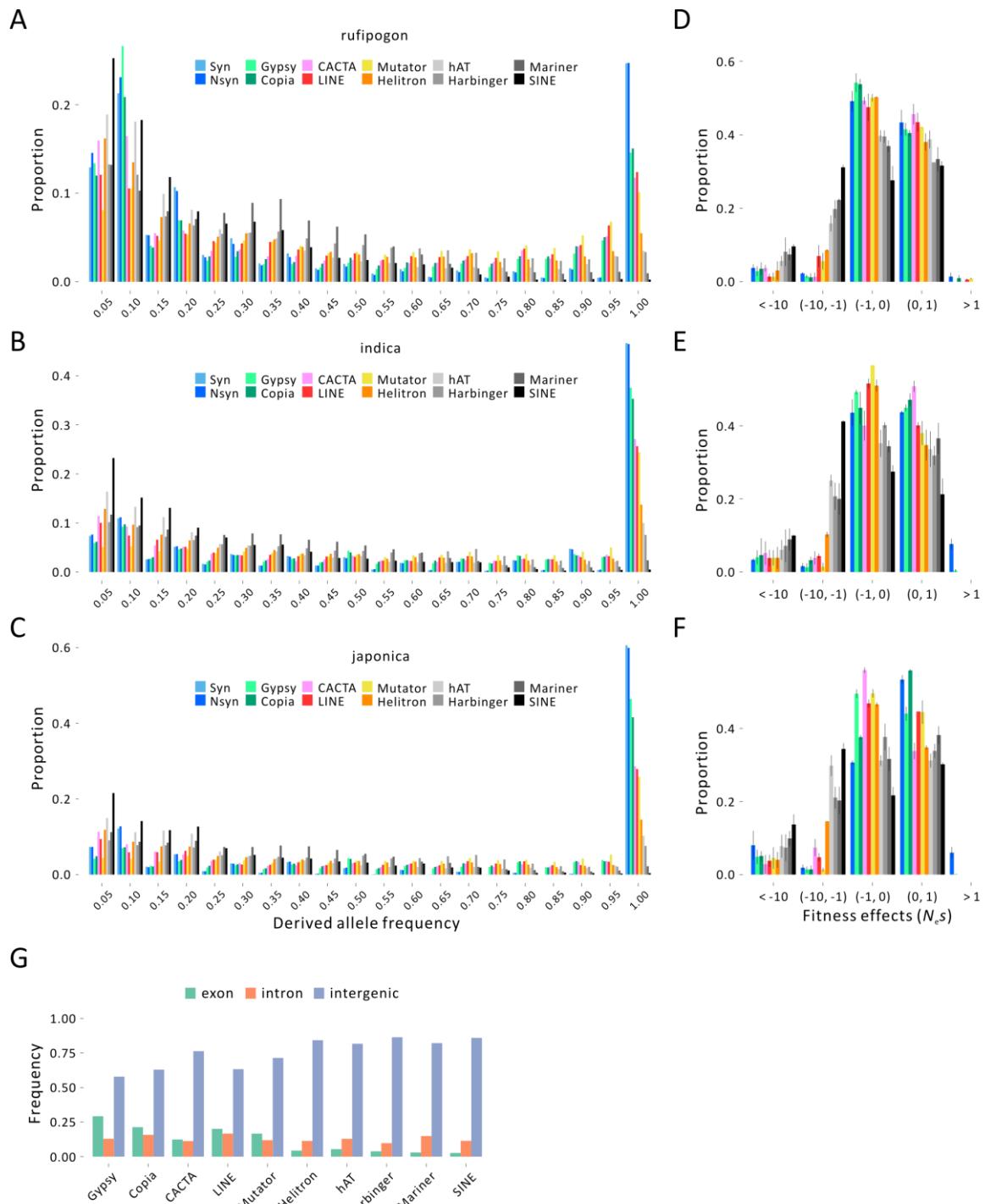


FIG. S14. Graphs (A), (B) and (C) illustrate the SFS calculated by PoPopulationTE2 for various TE families in rufipogon, indica, japonica, respectively. Graphs (D), (E) and (F) represent the DFEs estimates for each taxon and each family. (G) The frequency of SVs within exons, introns and intergenic regions for TEs of various families within the Nipponbare reference.

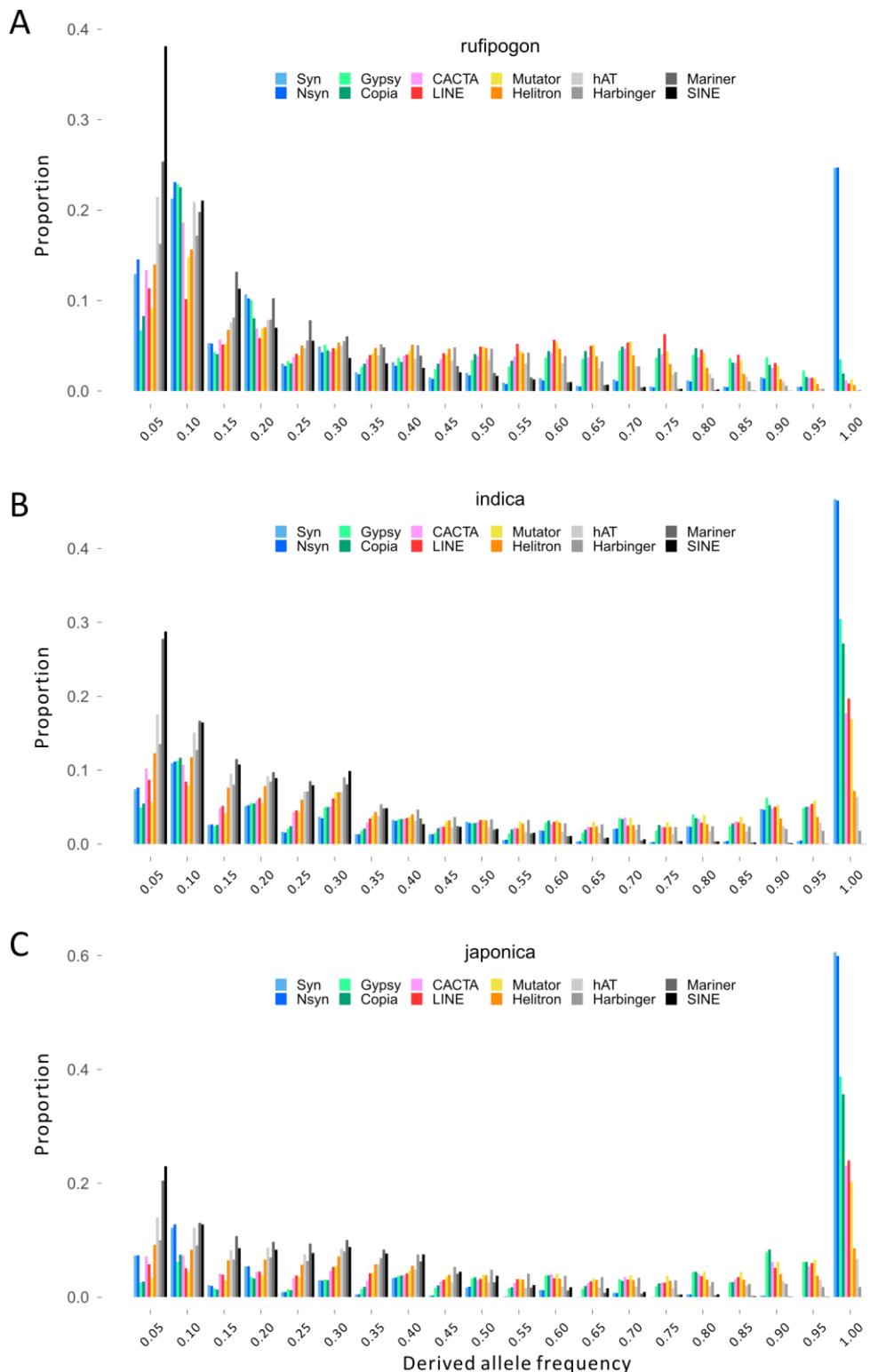


FIG. S15. The SFS of TE families in *rufipogon* (**A**), *indica* (**B**), *japonica* (**C**) were detected by TE-locate.

Table S1. The number of variants detected by Illumina short reads, PacBio long reads, and genome alignment.

	Variant type	Illumina	PacBio	Genome alignment	
				LASTZ	MUMmer
rufipogon	Number of sample	90		1	1
	TRA	73,051			182
	DUP	21,090		1,121	0
	DEL	52,946		22,367	12,978
	INV	178,141		37	73
	INS			27,460	24
	MEI	280,556		44,832	123,896
indica	Number of sample	96	6	6	6
	TRA	49,144	76,146		1,143
	DUP	45,404	197	1,646	1
	DEL	27,188	58,621	33,551	12,788
	INV	261,158	11,081	105	227
	INS		88,336	28,284	66
	MEI	280,904	269,104	66,599	221,790
japonica	Number of sample	106	3	6	6
	TRA	40,370	9,797		221
	DUP	3,905	8	1,797	1
	DEL	21,325	7,134	28,773	25,919
	INV	259,990	807	67	74
	INS		23,610	35,308	49
	MEI	246,979	52,572	89,723	49,494
All taxa	Number of sample	347	10		14
	TRA	76,835	85,279		1,332
	DUP	48,132	213	3,700	2
	DEL	72,930	60,747	62,953	48,153

INV	341,752	11,532	159	343
INS		103,447	70,065	113
MEI	284,741	270,708		246,340

Table S2. The details of assembled genomes used in this study.

Species	Infraspecific name (Abbr.)	NCBI BioProject	Sequencing technology	Assembly level	Reference
indica	Zhenshan 97 (ZS97)	PRJNA302542	PacBio ~120X	Chromosome	Zhang et al. 2016a
	Shuhui 498 (R498)	PRJNA318714	PacBio ~120X	Chromosome	Du et al. 2017
	Minghui 63 (MH63)	PRJNA302543	PacBio ~120X	Chromosome	Zhang et al. 2016a
	IR8	PRJNA353946	PacBio ~70X	Chromosome	Stein et al. 2018
	93-11	PRJNA427873	PacBio ~116X	Chromosome	Zhang et al. 2018 https://www.ncbi.nlm.nih.gov/assembly/GCA_004348155.2
	Tetep	PRJNA482013	PacBio ~148X	Chromosome	
japonica	HEG4	PRJNA264749	Illumina ~220X	Chromosome	Lu et al. 2017
	Nipponbare (IRGSP)	PRJDB1747	Illumina	Chromosome	IRGSP 2005
	Nipponbare (Nippo)	PRJNA427870	PacBio ~117X	Chromosome	Zhang et al. 2018 https://www.ncbi.nlm.nih.gov/assembly/GCA_000321445.1
	Hitomebore (Hitom)	PRJDA67163	Illumina ~179X	Chromosome	
	Suijing18	PRJNA396093	PacBio ~62X	Contig	Nie et al. 2017
	KitaakeX	PRJNA234782	PacBio ~100X	Scaffold	Jain et al. 2019
rufipogon	W1943	PRJEB4137	Illumina ~130X	Scaffold	Stein et al. 2018
<i>O. longistaminata</i>		PRJDB6339	PacBio ~66X	Chromosome	Reuscher et al. 2018

Table S3. Functional annotation of significantly divergent (top 1% F_{ST}) genes between each pairst of taxa (rufipogon, indica and japonica).

Gene ID (MSU7)	Gene ID (IRGSP1.0)	Function annotation
Shared genes in indica-rufipogon comparision		
LOC_Os01g01560	Os01g0105300	transposon protein, putative, unclassified, expressed
LOC_Os01g02740	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g09110	None	retrotransposon protein, putative, unclassified
LOC_Os01g11190	None	expressed protein
LOC_Os01g15070	None	retrotransposon protein, putative, unclassified
LOC_Os01g15260	Os01g0256400	dynein light chain type 1 domain containing protein, expressed
LOC_Os01g15270	Os01g0256500	expressed protein
LOC_Os01g15290	Os01g0256600	ribosomal L18p/L5e family protein, putative, expressed
LOC_Os01g15300	Os01g0256800	zinc finger helicase family protein, putative, expressed
LOC_Os01g17060	Os01g0278200	expressed protein
LOC_Os01g18010	Os01g0282400	hypothetical protein
LOC_Os01g18020	None	retrotransposon protein, putative, unclassified
LOC_Os01g18250	None	subtilase, putative, expressed
LOC_Os01g33136	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g40540	Os01g0587900	lectin receptor-type protein kinase, putative, expressed
LOC_Os01g42890	None	expressed protein
LOC_Os01g46530	None	expressed protein
LOC_Os01g50220	Os01g0697250	retrotransposon protein, putative, LINE subclass, expressed
LOC_Os01g62710	None	transposon protein, putative, unclassified
LOC_Os01g63040	Os01g0849900	expressed protein
LOC_Os02g04100	Os02g0133800	peptidase, T1 family, putative, expressed
LOC_Os02g04110	Os02g0133900	expressed protein
LOC_Os02g04120	Os02g0134000	cytidylyltransferase domain containing protein, expressed
LOC_Os02g04130	Os02g0134200	DUF1645 domain containing protein, putative, expressed
LOC_Os02g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os02g26180	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os02g37230	Os02g0583500	expressed protein

LOC_Os02g39090	Os02g0603000	expressed protein
LOC_Os02g42430	Os02g0636600	GEM, putative, expressed
LOC_Os02g42440	Os02g0636700	GEM, putative, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g48290	Os02g0713400	thioredoxin reductase 2, putative, expressed
LOC_Os03g27320	Os03g0390700	steroid binding protein, putative, expressed
LOC_Os03g27340	Os03g0390900	expressed protein
LOC_Os03g27350	Os03g0391000	cysteine protease ATG4, putative, expressed
LOC_Os03g27360	Os03g0391100	RING-H2 finger protein ATL5H precursor, putative, expressed
LOC_Os03g45744	None	hypothetical protein
LOC_Os03g45750	Os03g0659700	DUF260 domain containing protein, putative, expressed
LOC_Os03g45760	Os03g0659800	expressed protein
LOC_Os03g45830	Os03g0660300	OsSAUR15 - Auxin-responsive SAUR gene family member
LOC_Os03g45850	Os03g0660400	OsSAUR16 - Auxin-responsive SAUR gene family member, expressed
LOC_Os03g45870	Os03g0660700	expressed protein
LOC_Os03g45880	None	expressed protein
LOC_Os03g58080	Os03g0795000	BT1 family protein, putative, expressed
LOC_Os04g28290	Os04g0350900	transposon protein, putative, unclassified, expressed
LOC_Os04g28310	None	expressed protein
LOC_Os04g28480	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g28500	None	expressed protein
LOC_Os04g28520	Os04g0353600	male sterility protein, putative, expressed
LOC_Os04g28830	Os04g0357400	RALFL34 - Rapid ALkalization Factor RALF family protein precursor, putative, expressed
LOC_Os04g28840	Os04g0357500	RALFL35 - Rapid ALkalization Factor RALF family protein precursor, putative, expressed
LOC_Os04g33720	Os04g0413200	glycosyl hydrolases, putative, expressed
LOC_Os04g40600	Os04g0482000	peptide methionine sulfoxide reductase, putative, expressed
LOC_Os04g43840	Os04g0518800	possible lysine decarboxylase domain containing protein, expressed
LOC_Os04g44190	Os04g0522800	expressed protein

LOC_Os04g44200	Os04g0523000	oxygen-evolving enhancer protein 3, chloroplast precursor, putative, expressed
LOC_Os04g44210	Os04g0523100	expressed protein
LOC_Os04g44230	Os04g0523500	cytokinin dehydrogenase precursor, putative, expressed
LOC_Os04g44240	Os04g0523600	cytokinin-O-glucosyltransferase 3, putative, expressed
LOC_Os04g44520	None	expressed protein
LOC_Os04g56900	Os04g0664500	transferase family protein, putative, expressed
LOC_Os04g57260	None	expressed protein
LOC_Os04g57300	Os04g0668700	phosphatidylinositol 3- and 4-kinase family protein, putative, expressed
LOC_Os04g57310	Os04g0668800	thiol-disulphide oxidoreductase DCC, putative, expressed
LOC_Os04g57400	Os04g0669800	methylthioribose kinase, putative, expressed
LOC_Os04g57420	Os04g0670000	reticulon domain containing protein, putative, expressed
LOC_Os04g57430	Os04g0670100	uncharacterized protein At4g06744 precursor, putative, expressed
LOC_Os05g01880	None	expressed protein
LOC_Os05g25940	None	expressed protein
LOC_Os06g38590	Os06g0585950	receptor-like protein kinase precursor, putative, expressed
LOC_Os06g38600	None	expressed protein
LOC_Os07g05470	Os07g0148800	AIR9 protein, putative, expressed
LOC_Os07g05680	Os07g0151600	expressed protein
LOC_Os07g07640	Os07g0172800	hypothetical protein
LOC_Os07g07646	Os07g0172900	expressed protein
LOC_Os07g07780	None	expressed protein
LOC_Os07g07790	Os07g0174400	LTPL75 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os07g07820	Os07g0174700	expressed protein
LOC_Os07g37270	Os07g0558800	MSP domain containing protein, putative, expressed
LOC_Os09g22110	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os12g09610	Os12g0197900	expressed protein
LOC_Os12g09640	Os12g0198200	protein phosphatase 2C, putative, expressed

Genes in indica-rufipogon_SNPs

LOC_Os01g01540	None	retrotransposon protein, putative, unclassified, expressed
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LOC_Os01g01550	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g01560	Os01g0105300	transposon protein, putative, unclassified, expressed
LOC_Os01g02740	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g03610	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g03720	Os01g0128000	MYB family transcription factor, putative, expressed
LOC_Os01g03830	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g03860	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g04110	Os01g0132700	mediator of RNA polymerase II transcription subunit 22, putative, expressed
LOC_Os01g04250	Os01g0134200	expressed protein
LOC_Os01g04290	Os01g0134800	glycosyl hydrolase family 10 protein, putative, expressed
LOC_Os01g05320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g06460	Os01g0157900	uncharacterized Cys-rich domain containing protein, putative, expressed
LOC_Os01g06470	Os01g0158000	expressed protein
LOC_Os01g06490	Os01g0158200	OsSCP1 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os01g06500	Os01g0158400	PHLOEM 2-LIKE A5, putative, expressed
LOC_Os01g06510	Os01g0158500	arginyl-tRNA synthetase, putative, expressed
LOC_Os01g06520	Os01g0158600	verticillium wilt disease resistance protein, putative, expressed
LOC_Os01g06530	Os01g0158850	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g06540	Os01g0158800	PHD finger protein, putative, expressed
LOC_Os01g06550	Os01g0158900	NF-X1-type zinc finger protein, putative, expressed
LOC_Os01g06560	Os01g0159000	transcription factor HBP-1b, putative, expressed
LOC_Os01g06570	None	expressed protein
LOC_Os01g06580	Os01g0159200	fasciclin domain containing protein, expressed
LOC_Os01g06590	Os01g0159300	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os01g07760	Os01g0172400	phospholipase D, putative, expressed
LOC_Os01g09110	None	retrotransposon protein, putative, unclassified
LOC_Os01g09246	Os01g0187400	glycine-rich protein, putative, expressed
LOC_Os01g10030	Os01g0196800	expressed protein
LOC_Os01g10160	None	latency associated nuclear antigen, putative, expressed
LOC_Os01g10170	None	expressed protein

LOC_Os01g10260	Os01g0199700	expressed protein
LOC_Os01g11190	None	expressed protein
LOC_Os01g11660	Os01g0215000	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os01g11820	Os01g0217100	expressed protein
LOC_Os01g11840	None	xylem cysteine proteinase 2 precursor, putative, expressed
LOC_Os01g12170	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g13840	None	PE-PGRS family protein, putative, expressed
LOC_Os01g14410	Os01g0246400	early light-induced protein, chloroplast precursor, putative, expressed
LOC_Os01g14420	Os01g0246500	RWP-RK domain-containing protein, putative, expressed
LOC_Os01g14430	Os01g0246601	DNA binding protein, putative, expressed
LOC_Os01g15070	None	retrotransposon protein, putative, unclassified
LOC_Os01g15260	Os01g0256400	dynein light chain type 1 domain containing protein, expressed
LOC_Os01g15270	Os01g0256500	expressed protein
LOC_Os01g15290	Os01g0256600	ribosomal L18p/L5e family protein, putative, expressed
LOC_Os01g15300	Os01g0256800	zinc finger helicase family protein, putative, expressed
LOC_Os01g15310	Os01g0256900	LSM domain containing protein, expressed
LOC_Os01g15320	Os01g0257100	RALFL9 - Rapid ALkalinization Factor RALF family protein precursor, expressed
LOC_Os01g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os01g16160	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g16190	Os01g0267200	26S proteasome non-ATPase regulatory subunit 14, putative, expressed
LOC_Os01g17060	Os01g0278200	expressed protein
LOC_Os01g18010	Os01g0282400	hypothetical protein
LOC_Os01g18020	None	retrotransposon protein, putative, unclassified
LOC_Os01g18250	None	subtilase, putative, expressed
LOC_Os01g19010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g19100	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g21760	None	retrotransposon protein, putative, unclassified
LOC_Os01g25040	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g25065	None	ATP synthase subunit beta, putative, expressed
LOC_Os01g25300	Os01g0355400	expressed protein

LOC_Os01g26290	Os01g0364900	expressed protein
LOC_Os01g27270	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29040	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29507	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os01g31629	Os01g0501000	expressed protein
LOC_Os01g32500	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g33136	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g34620	Os01g0530400	OsGrx_S15
LOC_Os01g35660	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g36460	Os01g0545100	MYB family transcription factor, putative, expressed
LOC_Os01g37260	Os01g0553400	OsFBX14 - F-box domain containing protein, expressed
LOC_Os01g40540	Os01g0587900	lectin receptor-type protein kinase, putative, expressed
LOC_Os01g42890	None	expressed protein
LOC_Os01g45040	Os01g0637300	Leucine rich repeat N-terminal domain containing protein, putative, expressed
LOC_Os01g46070	Os01g0649100	lactate/malate dehydrogenase, putative, expressed
LOC_Os01g46080	Os01g0649200	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os01g46530	None	expressed protein
LOC_Os01g46570	Os01g0654100	CTP synthase, putative, expressed
LOC_Os01g46580	Os01g0654300, Os01g0654450	actin-related protein 2/3 complex subunit 2, putative, expressed
LOC_Os01g47256	Os01g0661400	exosome complex exonuclease RRP40, putative, expressed
LOC_Os01g47440	None	expressed protein
LOC_Os01g47500	Os01g0664851	expressed protein
LOC_Os01g48000	Os01g0670100	S-locus-like receptor protein kinase, putative, expressed
LOC_Os01g48525	Os01g0676800	expressed protein
LOC_Os01g48810	Os01g0680400	transcription initiation factor TFIID subunit 11, putative, expressed
LOC_Os01g48820	Os01g0680600	expressed protein
LOC_Os01g48830	Os01g0680700	expressed protein
LOC_Os01g50220	Os01g0697250	retrotransposon protein, putative, LINE subclass, expressed
LOC_Os01g52000	None	retrotransposon protein, putative, unclassified, expressed

LOC_Os01g53750	Os01g0739700	glucan endo-1,3-beta-glucosidase precursor, putative, expressed
LOC_Os01g55200	Os01g0756700	potassium channel KAT1, putative, expressed
LOC_Os01g58020	None	ribulose bisphosphate carboxylase large chain precursor, putative, expressed
LOC_Os01g62660	Os01g0844900	MYB family transcription factor, putative, expressed
LOC_Os01g62710	None	transposon protein, putative, unclassified
LOC_Os01g62960	None	hypothetical protein
LOC_Os01g63040	Os01g0849900	expressed protein
LOC_Os01g63050	Os01g0850000	expressed protein
LOC_Os01g65480	Os01g0875700	dnaJ domain containing protein, expressed
LOC_Os01g68230	Os01g0910200	expressed protein
LOC_Os01g68780	Os01g0916500	expressed protein
LOC_Os01g70790	Os01g0934100	SRC2 protein, putative, expressed
LOC_Os01g71020	Os01g0936400	expressed protein
LOC_Os01g73250	Os01g0963600	abscisic stress-ripening, putative, expressed
LOC_Os02g03840	Os02g0131100	expressed protein
LOC_Os02g03850	Os02g0131200	glycosyltransferase, putative, expressed
LOC_Os02g03860	Os02g0131300	mitochondrial ATP synthase precursor, putative, expressed
LOC_Os02g03910	Os02g0131900	OsFBX35 - F-box domain containing protein, expressed
LOC_Os02g03950	Os02g0132300	zinc finger, C3HC4 type family protein, expressed
LOC_Os02g03960	Os02g0132500	CPuORF1 - conserved peptide uORF-containing transcript, expressed
LOC_Os02g03990	Os02g0132800	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os02g04010	Os02g0133000	cyclin-T1-1, putative, expressed
LOC_Os02g04020	Os02g0133100	expressed protein
LOC_Os02g04030	Os02g0133200	phosphatidylinositol transfer, putative, expressed
LOC_Os02g04040	Os02g0133300	RecF/RecN/SMC N terminal domain containing protein, expressed
LOC_Os02g04100	Os02g0133800	peptidase, T1 family, putative, expressed
LOC_Os02g04110	Os02g0133900	expressed protein
LOC_Os02g04120	Os02g0134000	cytidylyltransferase domain containing protein, expressed
LOC_Os02g04130	Os02g0134200	DUF1645 domain containing protein, putative, expressed
LOC_Os02g04320	Os02g0135800	WD domain, G-beta repeat domain containing protein, expressed

LOC_Os02g04325	Os02g0135850	expressed protein
LOC_Os02g04330	Os02g0135900	5-AMP-activated protein kinase beta-1 subunit-related, putative, expressed
LOC_Os02g04340	Os02g0136000	NIN-like protein 2, putative, expressed
LOC_Os02g04480	Os02g0137400	cleavage and polyadenylation specificity factor, putative, expressed
	Os02g0137450,	
LOC_Os02g04490	Os02g0137500	histone acetyltransferase HAC1, putative, expressed
LOC_Os02g04500	Os02g0137600	S-adenosyl-L-methionine-dependent methyltransferase mraW, putative, expressed
LOC_Os02g04510	Os02g0137700	UOS1, putative, expressed
LOC_Os02g05610	Os02g0149600	ZOS2-03 - C2H2 zinc finger protein, expressed
LOC_Os02g05780	Os02g0151600	expressed protein
LOC_Os02g06700	Os02g0162500	ribosomal protein, putative, expressed
LOC_Os02g06730	Os02g0162800	expressed protein
LOC_Os02g06820	None	transposon protein, putative, unclassified, expressed
LOC_Os02g06850	Os02g0164400	expressed protein
LOC_Os02g06860	Os02g0164450	OsMADS80 - MADS-box family gene with M-alpha type-box, expressed
LOC_Os02g07110	Os02g0167600	OsSAUR6 - Auxin-responsive SAUR gene family member, expressed
LOC_Os02g07120	Os02g0167700	HEAT repeat family protein, putative, expressed
LOC_Os02g07200	Os02g0168500	protein-O-fucosyltransferase 1, putative, expressed
LOC_Os02g07210	Os02g0168600	OTU-like cysteine protease family protein, putative, expressed
LOC_Os02g07230	Os02g0168800	porphobilinogen deaminase, chloroplast precursor, putative, expressed
LOC_Os02g07240	Os02g0168900	expressed protein
LOC_Os02g11665	Os02g0206833	transposon protein, putative, unclassified, expressed
LOC_Os02g14150	None	transposon protein, putative, unclassified, expressed
LOC_Os02g15340	Os02g0252200	no apical meristem protein, putative, expressed
LOC_Os02g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os02g18400	None	hypothetical protein
LOC_Os02g19530	None	lectin-like receptor kinase, putative, expressed
LOC_Os02g19700	Os02g0300000	hypothetical protein
LOC_Os02g20270	Os02g0305600	expressed protein
LOC_Os02g20960	None	hypothetical protein

LOC_Os02g20970	Os02g0313700	C2 domain containing protein, putative, expressed
LOC_Os02g21030	None	expressed protein
LOC_Os02g21040	Os02g0314600	aspartic proteinase nepenthesin precursor, putative, expressed
LOC_Os02g21220	Os02g0317100	expressed protein
LOC_Os02g21240	Os02g0317300	OsFBX48 - F-box domain containing protein, expressed
LOC_Os02g21250	Os02g0317400	clathrin adaptor complex small chain domain containing protein, expressed
LOC_Os02g26180	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os02g26310	Os02g0461300	expressed protein
LOC_Os02g26320	Os02g0461500	fasciclin-like arabinogalactan precursor protein, putative, expressed
LOC_Os02g26330	Os02g0461700	expressed protein
LOC_Os02g27110	Os02g0470400,	expressed protein
	Os02g0470600	expressed protein
LOC_Os02g27210	None	hypothetical protein
LOC_Os02g27870	Os02g0480200	expressed protein
LOC_Os02g28980	Os02g0491400	peptidyl-prolyl isomerase, putative, expressed
LOC_Os02g35610	Os02g0564200	expressed protein
LOC_Os02g37230	Os02g0583500	expressed protein
LOC_Os02g37862	Os02g0591700	60S ribosomal protein L6, putative, expressed
LOC_Os02g37870	Os02g0591800	Brix domain containing protein, putative, expressed
LOC_Os02g37880	Os02g0591900	cyclin G-associated kinase, putative, expressed
LOC_Os02g37910	Os02g0592200	expressed protein
LOC_Os02g37920	Os02g0592300	expressed protein
LOC_Os02g37930	Os02g0592400	hypoxia-responsive family protein, putative, expressed
LOC_Os02g37940	Os02g0592500	CRP12 - Cysteine-rich family protein precursor, expressed
LOC_Os02g39090	Os02g0603000	expressed protein
LOC_Os02g39910	Os02g0612700	B4-BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with B4 subfamily
LOC_Os02g41800	Os02g0628600	conserved sequence, expressed
LOC_Os02g41860	Os02g0629200	auxin response factor, putative, expressed
LOC_Os02g41954	Os02g0630300	aquaporin protein, putative, expressed
		gibberellin 2-beta-dioxygenase 7, putative, expressed

LOC_Os02g42040	Os02g0631500, Os02g0631601	MIF4G domain containing protein, putative, expressed
LOC_Os02g42430	Os02g0636600	GEM, putative, expressed
LOC_Os02g42440	Os02g0636700	GEM, putative, expressed
LOC_Os02g42585	Os02g0638650	AP2 domain containing protein, expressed
LOC_Os02g42860	Os02g0641800	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os02g42920	Os02g0642700	DTA2, putative, expressed
LOC_Os02g42950	Os02g0643200	YABBY domain containing protein, putative, expressed
LOC_Os02g43030	Os02g0644200	integral membrane protein, putative, expressed
LOC_Os02g43170	Os02g0646200	B-box zinc finger family protein, putative, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g47330	Os02g0701750	expressed protein
LOC_Os02g47770	Os02g0706600	ZF-HD protein dimerisation region containing protein, expressed
LOC_Os02g48290	Os02g0713400	thioredoxin reductase 2, putative, expressed
LOC_Os02g49210	None	expressed protein
LOC_Os02g55400	Os02g0797300	ATPase 8, plasma membrane-type, putative, expressed
LOC_Os02g56880	Os02g0813800	transcriptional corepressor LEUNIG, putative, expressed
LOC_Os02g57570	Os02g0821600	MATE efflux family protein, putative, expressed
LOC_Os02g57750	Os02g0823300	protein binding protein, putative, expressed
LOC_Os02g58600	Os02g0832900	expressed protein
LOC_Os03g02280	Os03g0113900	DUF584 domain containing protein, putative, expressed
LOC_Os03g06160	Os03g0157500	BTBP1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with pentapeptide repeats, expressed
LOC_Os03g06170	Os03g0157600	hsp20/alpha crystallin family protein, putative, expressed
LOC_Os03g06180	Os03g0157700	expressed protein
LOC_Os03g06190	Os03g0157800	3-5 exonuclease family protein, putative, expressed
LOC_Os03g06200	Os03g0157900	aminotransferase, putative, expressed
LOC_Os03g08130	Os03g0178900	expressed protein
LOC_Os03g08140	Os03g0179000	tubulin--tyrosine ligase-like protein 12, putative, expressed
LOC_Os03g08220	Os03g0179900,	lipoxygenase protein, putative, expressed

LOC_Os03g08230	Os03g0179950	sodium/calcium exchanger protein, putative, expressed
LOC_Os03g08240	Os03g0180000	hypothetical protein
LOC_Os03g08250	None	expressed protein
LOC_Os03g08260	Os03g0180100	hypothetical protein
LOC_Os03g08270	None	ataxin-2 C-terminal region family protein, expressed
LOC_Os03g10430	Os03g0180300	expressed protein
LOC_Os03g13660	None	expressed protein
LOC_Os03g15110	None	expressed protein
LOC_Os03g18900	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os03g18910	Os03g0301200	COBRA-like protein 7 precursor, putative, expressed
LOC_Os03g19660	None	conserved hypothetical protein
LOC_Os03g21140	Os03g0328900	RNA-binding zinc finger protein, putative, expressed
LOC_Os03g22990	Os03g0353300	OsFBX84 - F-box domain containing protein, expressed
LOC_Os03g27230	Os03g0389700	phospho-2-dehydro-3-deoxyheptonate aldolase, chloroplast precursor, putative, expressed
LOC_Os03g27250	Os03g0389900	OsFBO14 - F-box and other domain containing protein, expressed
LOC_Os03g27260	Os03g0390000	40S ribosomal protein S6, putative, expressed
LOC_Os03g27280	Os03g0390200	CAMK_CAMK_like
LOC_Os03g27320	Os03g0390700	steroid binding protein, putative, expressed
LOC_Os03g27340	Os03g0390900	expressed protein
LOC_Os03g27350	Os03g0391000	cysteine protease ATG4, putative, expressed
LOC_Os03g27360	Os03g0391100	RING-H2 finger protein ATL5H precursor, putative, expressed
LOC_Os03g27380	Os03g0391601	hypothetical protein
LOC_Os03g27390	Os03g0391700	CPuORF35 - conserved peptide uORF-containing transcript, expressed
LOC_Os03g27420	Os03g0392000	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g27440	Os03g0392200	hypothetical protein
LOC_Os03g27450	Os03g0392300	ADP-ribosylation factor, putative, expressed
LOC_Os03g42820	Os03g0626600	LIM domain-containing protein, putative, expressed
LOC_Os03g42840	Os03g0626800	calcineurin B, putative, expressed

LOC_Os03g42900	Os03g0627500	KH domain containing protein, putative, expressed
LOC_Os03g44380	Os03g0645900	9-cis-epoxycarotenoid dioxygenase 1, chloroplast precursor, putative, expressed
LOC_Os03g44690	Os03g0649800	expressed protein
LOC_Os03g44720	None	expressed protein
LOC_Os03g45744	None	hypothetical protein
LOC_Os03g45750	Os03g0659700	DUF260 domain containing protein, putative, expressed
LOC_Os03g45760	Os03g0659800	expressed protein
LOC_Os03g45830	Os03g0660300	OsSAUR15 - Auxin-responsive SAUR gene family member
LOC_Os03g45850	Os03g0660400	OsSAUR16 - Auxin-responsive SAUR gene family member, expressed
LOC_Os03g45870	Os03g0660700	expressed protein
LOC_Os03g45880	None	expressed protein
LOC_Os03g45890	None	hypothetical protein
LOC_Os03g45900	None	expressed protein
LOC_Os03g45960	Os03g0661600	thaumatin, putative, expressed
LOC_Os03g49970	None	expressed protein
LOC_Os03g51510	Os03g0725000	ribosomal protein L6, putative, expressed
LOC_Os03g57120	Os03g0784700	ferredoxin--NADP reductase, chloroplast precursor, putative, expressed
LOC_Os03g58050	Os03g0794700	ribosomal protein S13p/S18e, putative, expressed
LOC_Os03g58080	Os03g0795000	BT1 family protein, putative, expressed
LOC_Os03g59225	Os03g0807000	expressed protein
LOC_Os03g60120	Os03g0815800	AP2 domain containing protein, expressed
LOC_Os03g63010	Os03g0847500	plastid terminal oxidase, putative, expressed
LOC_Os03g63210	None	expressed protein
LOC_Os04g03884	Os04g0128300	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os04g04650	None	hypothetical protein
LOC_Os04g10890	Os04g0187400, Os04g0189000	expressed protein
LOC_Os04g14840	Os04g0225250	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g18380	Os04g0255600	cytochrome P450, putative, expressed
LOC_Os04g19250	None	hypothetical protein

LOC_Os04g27680	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os04g28290	Os04g0350900	transposon protein, putative, unclassified, expressed
LOC_Os04g28310	None	expressed protein
LOC_Os04g28410	Os04g0352200	expressed protein
LOC_Os04g28480	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g28500	None	expressed protein
LOC_Os04g28520	Os04g0353600	male sterility protein, putative, expressed
LOC_Os04g28710	Os04g0355700	hypothetical protein
LOC_Os04g28720	Os04g0356000	RALFL32 - Rapid Alkalization Factor RALF family protein precursor, putative, expressed
LOC_Os04g28790	None	hypothetical protein
LOC_Os04g28830	Os04g0357400	RALFL34 - Rapid Alkalization Factor RALF family protein precursor, putative, expressed
LOC_Os04g28840	Os04g0357500	RALFL35 - Rapid Alkalization Factor RALF family protein precursor, putative, expressed
LOC_Os04g28850	Os04g0357700	RALFL36 - Rapid Alkalization Factor RALF family protein precursor, expressed
LOC_Os04g28860	Os04g0357850	expressed protein
LOC_Os04g33720	Os04g0413200	glycosyl hydrolases, putative, expressed
LOC_Os04g40600	Os04g0482000	peptide methionine sulfoxide reductase, putative, expressed
LOC_Os04g41430	None	retrotransposon protein, putative, unclassified
LOC_Os04g42570	Os04g0504500	AP2/EREBP transcription factor BABY BOOM, putative, expressed
LOC_Os04g43120	None	expressed protein
LOC_Os04g43140	Os04g0510400	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os04g43840	Os04g0518800	possible lysine decarboxylase domain containing protein, expressed
LOC_Os04g43960	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os04g44020	Os04g0520800	expressed protein
LOC_Os04g44050	None	expressed protein
LOC_Os04g44070	Os04g0521300	expressed protein
LOC_Os04g44090	Os04g0521600	expressed protein
LOC_Os04g44110	Os04g0521800	hydrolase, putative, expressed

LOC_Os04g44120	None	collagen triple helix repeat, putative, expressed
LOC_Os04g44130	Os04g0522100	DEF12 - Defensin and Defensin-like DEFL family, expressed
LOC_Os04g44190	Os04g0522800	expressed protein
LOC_Os04g44200	Os04g0523000	oxygen-evolving enhancer protein 3, chloroplast precursor, putative, expressed
LOC_Os04g44210	Os04g0523100	expressed protein
LOC_Os04g44224	None	brain acid soluble protein 1, putative, expressed
LOC_Os04g44230	Os04g0523500	cytokinin dehydrogenase precursor, putative, expressed
LOC_Os04g44240	Os04g0523600	cytokinin-O-glucosyltransferase 3, putative, expressed
LOC_Os04g44280	Os04g0524300	OsRR5 type-A response regulator, expressed
LOC_Os04g44340	Os04g0525000	expressed protein
LOC_Os04g44520	None	expressed protein
LOC_Os04g44530	Os04g0527400	expressed protein
LOC_Os04g44540	Os04g0527500	mitochondrial carrier protein, putative, expressed
LOC_Os04g44550	Os04g0527700	CHCH domain containing protein, expressed
LOC_Os04g44560	Os04g0527800	expressed protein
LOC_Os04g44580	Os04g0528000	expressed protein
LOC_Os04g44590	Os04g0528100	expressed protein
LOC_Os04g44600	Os04g0528200	CRP1 - Cysteine-rich family protein precursor, expressed
LOC_Os04g44610	Os04g0528300	white-brown complex homolog protein 11, putative, expressed
LOC_Os04g44690	None	expressed protein
LOC_Os04g44700	Os04g0529400	WD-40 repeat family protein, putative, expressed
LOC_Os04g44870	Os04g0531100	C2 domain containing protein, putative, expressed
LOC_Os04g44880	Os04g0531200	expressed protein
LOC_Os04g44890	Os04g0531300	tRNA-dihydrouridine synthase, putative, expressed
LOC_Os04g44920	Os04g0531700	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed
LOC_Os04g44924	Os04g0531750	short-chain dehydrogenase/reductase, putative, expressed
LOC_Os04g44940	None	hypothetical protein
LOC_Os04g45050	Os04g0533101	hypothetical protein
LOC_Os04g45170	Os04g0534166,	leucine-rich repeat family protein, putative, expressed

LOC_Os04g45180	Os04g0534200	
LOC_Os04g45190	Os04g0534300	EF hand family protein, expressed
LOC_Os04g45270	Os04g0534400	MSP domain containing protein, expressed
LOC_Os04g45280	Os04g0535200	aspartyl protease family protein, putative, expressed
LOC_Os04g45290	Os04g0535400	histidine triad family protein, putative, expressed
	Os04g0535600	glycosyl hydrolases, putative, expressed
LOC_Os04g45490	Os04g0538100,	elongation factor, putative, expressed
	Os04g0538166	
LOC_Os04g45500	None	expressed protein
LOC_Os04g45510	Os04g0538300	expressed protein
LOC_Os04g45600	Os04g0539000	NDH-M H PLASTOQUINONE DEHY, putative, expressed
LOC_Os04g45620	Os04g0539200	expressed protein
LOC_Os04g45630	Os04g0539300	expressed protein
LOC_Os04g45640	None	hypothetical protein
LOC_Os04g45670	Os04g0539800	src homology-3 domain protein 3, putative, expressed
LOC_Os04g45700	Os04g0540300	COBRA, putative, expressed
LOC_Os04g48370	Os04g0572600	RNA polymerase IV subunit, putative, expressed
LOC_Os04g55560	Os04g0649100	AP2 domain containing protein, expressed
LOC_Os04g55570	Os04g0649200	plant protein of unknown function DUF869 domain containing protein, expressed
LOC_Os04g56090	Os04g0655000	S-locus-like receptor protein kinase, putative, expressed
LOC_Os04g56510	Os04g0660200	ABC1 family domain containing protein, putative, expressed
LOC_Os04g56520	Os04g0660400	alpha-1,4-glucan-protein synthase, putative, expressed
LOC_Os04g56530	Os04g0660500	STE_MEKK_ste11_MAP3K
LOC_Os04g56540	Os04g0660600	expressed protein
LOC_Os04g56620	None	molybdopterin biosynthesis protein CNX1, putative, expressed
LOC_Os04g56640	Os04g0661800	mediator of RNA polymerase II transcription subunit 7, putative, expressed
LOC_Os04g56646	Os04g0661900	MEE34, putative, expressed
LOC_Os04g56654	Os04g0662000	BSD domain-containing protein, putative, expressed
LOC_Os04g56670	Os04g0662100	S4 domain containing protein, putative, expressed
LOC_Os04g56680	Os04g0662200	OsSAUR22 - Auxin-responsive SAUR gene family member, expressed

LOC_Os04g56810	Os04g0664000	hypothetical protein
LOC_Os04g56840	Os04g0664300	expressed protein
LOC_Os04g56850	Os04g0664400	auxin response factor, putative, expressed
LOC_Os04g56900	Os04g0664500	transferase family protein, putative, expressed
LOC_Os04g56939	Os04g0665000	expressed protein
LOC_Os04g56950	Os04g0665200	jasmonate O-methyltransferase, putative, expressed
LOC_Os04g56960	None	expressed protein
LOC_Os04g56970	Os04g0665400	tubulin/FtsZ domain containing protein, putative, expressed
LOC_Os04g56980	Os04g0665500	SWIB/MDM2 domain containing protein, expressed
LOC_Os04g56990	Os04g0665600	Myb-like DNA-binding domain containing protein, putative, expressed
LOC_Os04g56995	Os04g0665666	expressed protein
LOC_Os04g57010	Os04g0665700	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os04g57020	Os04g0665800	expressed protein
LOC_Os04g57030	Os04g0665900	VQ domain containing protein, putative, expressed
LOC_Os04g57140	Os04g0666900	kinesin motor domain containing protein, putative, expressed
LOC_Os04g57150	Os04g0667000	tafazzin, putative, expressed
LOC_Os04g57154	Os04g0667100	expressed protein
LOC_Os04g57180	Os04g0667400	flavonol synthase/flavanone 3-hydroxylase, putative, expressed
LOC_Os04g57190	Os04g0667500	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed
LOC_Os04g57200	Os04g0667600	heavy metal transport/detoxification protein, putative, expressed
LOC_Os04g57210	Os04g0667700	actin-6, putative, expressed
LOC_Os04g57220	Os04g0667800	ubiquitin-conjugating enzyme, putative, expressed
LOC_Os04g57230	Os04g0667900	regulatory protein RecX family protein, putative, expressed
LOC_Os04g57260	None	expressed protein
LOC_Os04g57300	Os04g0668700	phosphatidylinositol 3- and 4-kinase family protein, putative, expressed
LOC_Os04g57310	Os04g0668800	thiol-disulphide oxidoreductase DCC, putative, expressed
LOC_Os04g57350	Os04g0669300	EH domain-containing protein 1, putative, expressed
LOC_Os04g57360	Os04g0669475	expressed protein
LOC_Os04g57370	Os04g0669500	acyl-protein thioesterase, putative, expressed
LOC_Os04g57380	Os04g0669600	acyl-protein thioesterase, putative, expressed

LOC_Os04g57400	Os04g0669800	methylthioribose kinase, putative, expressed
LOC_Os04g57420	Os04g0670000	reticulon domain containing protein, putative, expressed
LOC_Os04g57430	Os04g0670100	uncharacterized protein At4g06744 precursor, putative, expressed
LOC_Os04g57480	Os04g0670400	OTU-like cysteine protease family protein, putative, expressed
LOC_Os04g57500	Os04g0670700	phosphatidate cytidylyltransferase, putative, expressed
LOC_Os04g57520	Os04g0670800	UBX domain-containing protein, putative, expressed
LOC_Os04g57530	Os04g0670900	transcription factor, putative, expressed
LOC_Os04g57540	Os04g0671100	adenylate kinase, putative, expressed
LOC_Os04g57550	Os04g0671200	amine oxidase, flavin-containing, domain containing protein, expressed
LOC_Os04g57560	Os04g0671300	amine oxidase, flavin-containing, domain containing protein, expressed
LOC_Os04g57950	Os04g0676300	dihydroorotate dihydrogenase protein, putative, expressed
LOC_Os04g57970	Os04g0676400	expressed protein
LOC_Os04g58000	Os04g0676600	B3 DNA binding domain containing protein, expressed
LOC_Os05g01880	None	expressed protein
LOC_Os05g05830	Os05g0150800	bifunctional protein fold, putative, expressed
LOC_Os05g05840	Os05g0150900	tRNA synthetase class II core domain containing protein, expressed
LOC_Os05g05850	Os05g0150950	expressed protein
LOC_Os05g05860	Os05g0151000	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g07680	Os05g0168800	KIP1, putative, expressed
LOC_Os05g07690	Os05g0169000	thioredoxin, putative, expressed
LOC_Os05g07710	Os05g0169200	WD40-like domain containing protein, putative, expressed
LOC_Os05g09350	Os05g0185400	expressed protein
LOC_Os05g09430	None	expressed protein
LOC_Os05g09460	None	hypothetical protein
LOC_Os05g25940	None	expressed protein
LOC_Os05g30790	Os05g0371100	CW-type Zinc Finger, putative, expressed
LOC_Os05g33830	Os05g0408800	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os05g33840	Os05g0408900	transketolase, putative, expressed
LOC_Os05g33850	Os05g0409000	UBA/TS-N domain containing protein, expressed
LOC_Os05g33860	Os05g0409100	expressed protein

LOC_Os05g33870	Os05g0409200	ran GTPase activating protein, putative, expressed
LOC_Os05g34040	Os05g0411200	monooxygenase, putative, expressed
LOC_Os05g34050	Os05g0411300	bZIP transcription factor domain containing protein, expressed
LOC_Os05g34060	None	expressed protein
LOC_Os05g34070	Os05g0411600	DIP1, putative, expressed
LOC_Os05g34100	None	expressed protein
LOC_Os05g34870	Os05g0422200	expressed protein
LOC_Os05g34880	Os05g0422300	zinc finger, C3HC4 type family protein, expressed
LOC_Os05g34890	Os05g0422400	expressed protein
LOC_Os05g35310	Os05g0427600	ankyrin repeat family protein, putative, expressed
LOC_Os05g43280	Os05g0508700	MATH domain containing protein, expressed
LOC_Os05g46920	Os05g0547100	expressed protein
LOC_Os05g48370	Os05g0557500	expressed protein
LOC_Os05g48380	Os05g0557600	ubiquitin-conjugating enzyme domain containing protein, expressed
LOC_Os05g48390	Os05g0557700	ubiquitin conjugating enzyme protein, putative, expressed
LOC_Os06g10190	None	flavin-containing monooxygenase 2, putative, expressed
LOC_Os06g12730	None	expressed protein
LOC_Os06g14220	Os06g0252800	STF-1, putative, expressed
LOC_Os06g38590	Os06g0585950	receptor-like protein kinase precursor, putative, expressed
LOC_Os06g38600	None	expressed protein
LOC_Os06g44220	Os06g0651900	OsRCI2-9 - Putative low temperature and salt responsive protein, expressed GASR8 - Gibberellin-regulated GASA/GAST/Snakin family protein precursor, expressed
LOC_Os06g51320	Os06g0729400	IPP transferase, putative, expressed
LOC_Os06g51350	Os06g0729800	lysM domain containing protein, putative, expressed
LOC_Os06g51360	Os06g0729900	DUF538 domain containing protein, putative, expressed
LOC_Os07g02690	Os07g0118200	expressed protein
LOC_Os07g02710	Os07g0118300	ATPase BadF/BadG/BcrA/BcrD type, putative, expressed
LOC_Os07g05380	Os07g0147700	AIR9 protein, putative, expressed
LOC_Os07g05470	Os07g0148800	photosystem I reaction center subunit, chloroplast precursor, putative, expressed
LOC_Os07g05480	Os07g0148900	

LOC_Os07g05570	Os07g0150100	ERD4 protein, putative, expressed
LOC_Os07g05680	Os07g0151600	expressed protein
LOC_Os07g05930	None	expressed protein
LOC_Os07g05950	Os07g0154300	expressed protein
LOC_Os07g05960	Os07g0154400	expressed protein
LOC_Os07g07480	Os07g0170200	HNH endonuclease domain-containing protein, putative, expressed
LOC_Os07g07490	Os07g0170300	YT521-B, putative, expressed
LOC_Os07g07510	Os07g0170600	expressed protein
LOC_Os07g07540	Os07g0171100	SHOOT1 protein, putative, expressed
LOC_Os07g07550	Os07g0171200	galactose-1-phosphate uridyl transferase, putative, expressed
LOC_Os07g07590	None	expressed protein
LOC_Os07g07610	Os07g0172500	RNA polymerase subunit, putative, expressed
LOC_Os07g07620	Os07g0172600	pentatricopeptide, putative, expressed
LOC_Os07g07630	Os07g0172700	expressed protein
LOC_Os07g07640	Os07g0172800	hypothetical protein
LOC_Os07g07646	Os07g0172900	expressed protein
LOC_Os07g07709	Os07g0173501	ribosomal protein S13p/S18e, putative, expressed
LOC_Os07g07730	None	hypothetical protein
LOC_Os07g07740	None	expressed protein
LOC_Os07g07760	Os07g0174000	expressed protein
LOC_Os07g07780	None	expressed protein
LOC_Os07g07790	Os07g0174400	LTPL75 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os07g07820	Os07g0174700	expressed protein
LOC_Os07g07920	Os07g0175500	LTPL100 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os07g07930	Os07g0175600	LTPL78 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os07g07940	None	expressed protein
LOC_Os07g08510	Os07g0183000	expressed protein
LOC_Os07g08530	Os07g0183200	auxin response factor, putative, expressed
LOC_Os07g09675	Os07g0194950	expressed protein
LOC_Os07g22890	Os07g0411832	expressed protein

LOC_Os07g23460	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os07g26595	Os07g0447200	expressed protein
LOC_Os07g37270	Os07g0558800	MSP domain containing protein, putative, expressed
LOC_Os07g39060	None	expressed protein
LOC_Os07g39070	Os07g0578600	5-formyltetrahydrofolate cyclo-ligase, putative, expressed
LOC_Os07g39080	Os07g0578700	expressed protein
LOC_Os07g39090	Os07g0578800, Os07g0578866	pentatricopeptide repeat domain containing protein, putative, expressed
LOC_Os07g39110	Os07g0579000	AP2/EREBP transcription factor BABY BOOM, putative, expressed
LOC_Os07g45160	Os07g0646000	SAC3/GANP family protein, expressed
LOC_Os07g45170	Os07g0646100	protein phosphatase 2C, putative, expressed
LOC_Os07g45430	None	expressed protein
LOC_Os07g47360	Os07g0669800	CW-type Zinc Finger, putative, expressed
LOC_Os07g47370	Os07g0670000	pentatricopeptide, putative, expressed
LOC_Os07g47380	Os07g0670100	expressed protein
LOC_Os07g47410	None	WD40-like domain containing protein, putative, expressed
LOC_Os08g34249	None	inhibitor I family protein, putative, expressed
LOC_Os08g34270	Os08g0441400	expressed protein
LOC_Os08g37470	Os08g0480400	2-aminoethanethiol dioxygenase, putative, expressed
LOC_Os08g37490	Os08g0480800	14-3-3 protein, putative, expressed
LOC_Os08g37500	Os08g0481100	expressed protein
LOC_Os08g37520	Os08g0481000	pentatricopeptide, putative, expressed
LOC_Os08g37770	None	expressed protein
LOC_Os08g37780	Os08g0484400	NOL1/NOP2/sun family protein, putative, expressed
LOC_Os08g38690	Os08g0495300	retrotransposon protein, putative, SINE subclass, expressed
LOC_Os08g38780	Os08g0496500	core histone H2A/H2B/H3/H4, putative, expressed
LOC_Os08g44880	None	expressed protein
LOC_Os09g21520	Os09g0383400	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os09g22040	None	expressed protein
LOC_Os09g22110	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed

LOC_Os09g22530	None	expressed protein
LOC_Os09g23370	Os09g0397700	proline-rich protein 6, putative, expressed
LOC_Os09g23390	None	hypothetical protein
LOC_Os09g23440	Os09g0399000	hypothetical protein
LOC_Os09g23450	None	expressed protein
LOC_Os09g23460	Os09g0399300	expressed protein
LOC_Os09g30280	Os09g0480400	glycosyl transferase 8 domain containing protein, putative, expressed
LOC_Os09g30290	Os09g0480532	expressed protein
LOC_Os09g30300	Os09g0480600	expressed protein
LOC_Os09g34150	Os09g0517100	NBS-LRR disease resistance protein, putative, expressed
LOC_Os09g37680	Os09g0549175	expressed protein
LOC_Os09g37700	Os09g0549400	proteophosphoglycan ppg4, putative, expressed
LOC_Os09g37720	Os09g0549500	RNA recognition motif containing protein, expressed
LOC_Os09g37730	Os09g0549600	expressed protein
LOC_Os09g37740	Os09g0549700	ribosomal L18p/L5e family protein, putative, expressed
LOC_Os09g37750	Os09g0549800	hypothetical protein
LOC_Os09g37760	Os09g0550000	bromodomain domain containing protein, expressed
LOC_Os09g38239	Os09g0555150	sulfotransferase domain containing protein, expressed
LOC_Os10g35120	Os10g0493700	expressed protein
LOC_Os10g35130	Os10g0493800	expressed protein
LOC_Os10g35150	Os10g0494000	expressed protein
LOC_Os11g03840	Os11g0133100	D-mannose binding lectin family protein, expressed
LOC_Os11g03870	Os11g0133400	LTPL31 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os11g03900	Os11g0133700	glucosamine--fructose-6-phosphate aminotransferase 1, putative, expressed
LOC_Os12g01820	Os12g0109100, Os12g0109150	ATCHX, putative, expressed
LOC_Os12g09610	Os12g0197900	expressed protein
LOC_Os12g09640	Os12g0198200	protein phosphatase 2C, putative, expressed
LOC_Os12g09739	Os12g0199100	pollen signalling protein with adenylyl cyclase activity, putative, expressed
LOC_Os12g40290	None	expressed protein

LOC_Os12g40300	Os12g0594600	SKP1, putative, expressed
LOC_Os12g40340	Os12g0595000	EXS family protein, putative, expressed
LOC_Os12g40470	Os12g0596300	DC1 domain-containing protein, putative, expressed
LOC_Os12g40500	Os12g0596900	expressed protein
LOC_Os12g40540	Os12g0597400	FAD dependent oxidoreductase, putative, expressed
LOC_Os12g40550	Os12g0597500	peptidase, putative, expressed
LOC_Os12g40570	Os12g0597700	WRKY94, expressed
LOC_Os12g40710	Os12g0599000	helix-loop-helix DNA-binding domain containing protein, expressed

Genes in indica-rufipogon_SV

LOC_Os01g01270	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g01560	Os01g0105300	transposon protein, putative, unclassified, expressed
LOC_Os01g01760	None	expressed protein
LOC_Os01g01810	None	expressed protein
	Os01g0114400, Os01g0114401, Os01g0114450	protein kinase domain containing protein, expressed
LOC_Os01g02410		
LOC_Os01g02629	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g02740	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g04850	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g05320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g06530	Os01g0158850	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g06610	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g06740	Os01g0160800	ribosome inactivating protein, putative, expressed
LOC_Os01g07550	None	hypothetical protein
LOC_Os01g08970	Os01g0184900	SSRP1-like FACT complex subunit, putative, expressed
LOC_Os01g09000	Os01g0185200	glutaminyl-tRNA synthetase, putative, expressed
LOC_Os01g09100	Os01g0186000	WRKY10, expressed
LOC_Os01g09110	None	retrotransposon protein, putative, unclassified

LOC_Os01g09960	None	transposon protein, putative, unclassified, expressed
LOC_Os01g10030	Os01g0196800	expressed protein
LOC_Os01g10610	Os01g0203000	BES1/BZR1 homolog protein, putative, expressed
LOC_Os01g11054	Os01g0208700	phosphoenolpyruvate carboxylase, putative, expressed
LOC_Os01g11190	None	expressed protein
LOC_Os01g11660	Os01g0215000	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os01g13300	Os01g0234100	B3 DNA binding domain containing protein, expressed
LOC_Os01g13620	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g13690	Os01g0238500	ligA, putative, expressed
LOC_Os01g13720	Os01g0238800	expressed protein
LOC_Os01g13730	Os01g0238900	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os01g13810	Os01g0239800	expressed protein
LOC_Os01g14110	Os01g0243400	expressed protein
LOC_Os01g14170	None	expressed protein
LOC_Os01g14200	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g14470	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g14490	Os01g0247200	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g14550	Os01g0248300	pathogen-related protein, putative, expressed
LOC_Os01g14610	Os01g0248600	PSF2 - Putative GINS complex subunit, expressed
LOC_Os01g14650	Os01g0248900	expansin precursor, putative, expressed
LOC_Os01g14670	Os01g0249200	Cupin domain containing protein, expressed
LOC_Os01g14690	Os01g0249300	Lg106, putative, expressed
LOC_Os01g15070	None	retrotransposon protein, putative, unclassified
LOC_Os01g15200	None	hypothetical protein
LOC_Os01g15210	Os01g0255700	expressed protein
LOC_Os01g15220	None	expressed protein
LOC_Os01g15229	None	expressed protein
LOC_Os01g15240	None	expressed protein
LOC_Os01g15250	Os01g0256300	expressed protein
LOC_Os01g15260	Os01g0256400	dynein light chain type 1 domain containing protein, expressed

LOC_Os01g15270	Os01g0256500	expressed protein
LOC_Os01g15290	Os01g0256600	ribosomal L18p/L5e family protein, putative, expressed
LOC_Os01g15300	Os01g0256800	zinc finger helicase family protein, putative, expressed
LOC_Os01g15350	Os01g0257400	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os01g15448	Os01g0258600	expressed protein
LOC_Os01g15700	None	transposon protein, putative, Pong sub-class, expressed
LOC_Os01g16180	Os01g0267100	MT-A70 domain containing protein, expressed
LOC_Os01g17060	Os01g0278200	expressed protein
LOC_Os01g17130	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g18010	Os01g0282400	hypothetical protein
LOC_Os01g18020	None	retrotransposon protein, putative, unclassified
LOC_Os01g18230	None	FAD-linked oxidoreductase protein, putative, expressed
LOC_Os01g18250	None	subtilase, putative, expressed
LOC_Os01g18980	None	transposon protein, putative, unclassified
LOC_Os01g19780	None	expressed protein
LOC_Os01g20060	None	expressed protein
LOC_Os01g21360	None	retrotransposon protein, putative, unclassified
LOC_Os01g21550	None	expressed protein
LOC_Os01g23500	None	expressed protein
LOC_Os01g23510	None	expressed protein
LOC_Os01g23940	None	expressed protein
LOC_Os01g24140	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g24160	None	hypothetical protein
LOC_Os01g24800	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g27070	Os01g0368500	expressed protein
LOC_Os01g27320	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g27970	None	hypothetical protein
LOC_Os01g28000	Os01g0377800	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g28200	Os01g0379800	transposon protein, putative, unclassified, expressed
LOC_Os01g28270	None	retrotransposon protein, putative, Ty1-copia subclass

LOC_Os01g29040	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29570	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g29730	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g32184	Os01g0506200	tetratricopeptide repeat protein 5, putative, expressed
LOC_Os01g32530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g32550	None	hypothetical protein
LOC_Os01g33136	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g33180	None	hypothetical protein
LOC_Os01g33740	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g33760	None	expressed protein
LOC_Os01g33980	None	expressed protein
LOC_Os01g33990	Os01g0523800	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g35980	Os01g0541500	expressed protein
LOC_Os01g37990	None	expressed protein
LOC_Os01g38000	None	conserved hypothetical protein
LOC_Os01g38650	Os01g0567200	expressed protein
LOC_Os01g39136	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g40410	Os01g0586500	transmembrane amino acid transporter protein, putative, expressed
LOC_Os01g40540	Os01g0587900	lectin receptor-type protein kinase, putative, expressed
LOC_Os01g40880	Os01g0591400	hypothetical protein
LOC_Os01g41030	Os01g0593500	ribosomal protein L25, putative, expressed
LOC_Os01g41670	None	G-patch domain containing protein, putative, expressed
LOC_Os01g41960	Os01g0604150	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g42400	None	STE_MEK_ste7_MAP2K
LOC_Os01g42890	None	expressed protein
LOC_Os01g43650	Os01g0626400	WRKY11, expressed
LOC_Os01g45460	Os01g0642000	serine esterase, putative, expressed
LOC_Os01g45470	Os01g0642200	expressed protein
LOC_Os01g45540	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g45620	Os01g0643800	CGMC_MAPKCMGC_2

LOC_Os01g45624	Os01g0643900	oleosin, putative, expressed
LOC_Os01g45640	Os01g0644000	tat pathway signal sequence family protein, expressed
LOC_Os01g45650	Os01g0644100	OsFBX19 - F-box domain containing protein, expressed
LOC_Os01g45659	None	expressed protein
LOC_Os01g46250	Os01g0651200	lipase, putative, expressed
	Os01g0651932,	
LOC_Os01g46340	Os01g0652000	chloroplast unusual positioning protein, putative, expressed
LOC_Os01g46360	None	expressed protein
LOC_Os01g46530	None	expressed protein
LOC_Os01g47300	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g48650	None	expressed protein
LOC_Os01g50220	Os01g0697250	retrotransposon protein, putative, LINE subclass, expressed
LOC_Os01g51820	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g52130	Os01g0719300	sulfate transporter, putative, expressed
LOC_Os01g52920	Os01g0729900	expressed protein
LOC_Os01g57942	None	cytochrome b6, putative, expressed
LOC_Os01g57945	None	cytochrome b6-f complex subunit 4, putative, expressed
LOC_Os01g57946	None	DNA-directed RNA polymerase subunit alpha, putative, expressed
LOC_Os01g57956		chloroplast 50S ribosomal protein L14, putative, expressed
	Os01g0793500,	
LOC_Os01g58114	Os01g0793600	expressed protein
LOC_Os01g59420	Os01g0809000	expressed protein
LOC_Os01g60549	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g60850	Os01g0823700	expressed protein
LOC_Os01g62290	Os01g0840100	DnaK family protein, putative, expressed
LOC_Os01g62710	None	transposon protein, putative, unclassified
LOC_Os01g62960	None	hypothetical protein
LOC_Os01g63040	Os01g0849900	expressed protein
LOC_Os01g63970	Os01g0858900	sialyltransferase family domain containing protein, expressed
LOC_Os01g66650	Os01g0890300	expressed protein

LOC_Os01g67410	Os01g0899800	AP2/EREBP transcription factor BABY BOOM, putative, expressed
LOC_Os01g72140	Os01g0949800	glutathione S-transferase, putative, expressed
LOC_Os01g73332	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g73900	Os01g0970600	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os01g74200	Os01g0973500	protein kinase domain containing protein, expressed
LOC_Os02g04040	Os02g0133300	RecF/RecN/SMC N terminal domain containing protein, expressed
LOC_Os02g04100	Os02g0133800	peptidase, T1 family, putative, expressed
LOC_Os02g04110	Os02g0133900	expressed protein
LOC_Os02g04120	Os02g0134000	cytidylyltransferase domain containing protein, expressed
LOC_Os02g04130	Os02g0134200	DUF1645 domain containing protein, putative, expressed
LOC_Os02g04880	None	expressed protein
LOC_Os02g06980	Os02g0166300	expressed protein
LOC_Os02g06990	None	expressed protein
LOC_Os02g14420	None	hypothetical protein
LOC_Os02g14929	Os02g0247200	T-complex protein, putative, expressed
LOC_Os02g15050	None	expressed protein
LOC_Os02g15240	None	transposon protein, putative, unclassified, expressed
LOC_Os02g15380	None	transposon protein, putative, Ac/Ds sub-class, expressed
LOC_Os02g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os02g18515	Os02g0286891	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g18910	None	hypothetical protein
LOC_Os02g20520	None	retrotransposon, putative, centromere-specific
LOC_Os02g20820	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g21160	None	hypothetical protein
LOC_Os02g24920	None	expressed protein
LOC_Os02g24930	None	expressed protein
LOC_Os02g26180	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os02g26190	Os02g0460000	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os02g26500	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g27910	None	expressed protein

LOC_Os02g28170	Os02g0483500	transferase family protein, putative, expressed
LOC_Os02g28980	Os02g0491400	peptidyl-prolyl isomerase, putative, expressed
LOC_Os02g29970	None	expressed protein
LOC_Os02g29980	Os02g0503350	X8 domain containing protein, expressed
LOC_Os02g34430	Os02g0549200	serine/threonine-protein kinase, putative, expressed
LOC_Os02g35820	Os02g0566300	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g37230	Os02g0583500	expressed protein
LOC_Os02g37654	Os02g0589000	lecithin:cholesterol acyltransferase, putative, expressed
LOC_Os02g38090	Os02g0594300	AP2 domain containing protein, expressed
LOC_Os02g38100	None	hypothetical protein
LOC_Os02g39090	Os02g0603000	expressed protein
LOC_Os02g39780	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g41520	Os02g0624400	glycosyl transferase 8 domain containing protein, putative, expressed
LOC_Os02g41590	Os02g0625500	kinase, pfkB family, putative, expressed
LOC_Os02g41630	Os02g0626100	phenylalanine ammonia-lyase, putative, expressed
LOC_Os02g42430	Os02g0636600	GEM, putative, expressed
LOC_Os02g42440	Os02g0636700	GEM, putative, expressed
LOC_Os02g42990	Os02g0643800	OsSAUR11 - Auxin-responsive SAUR gene family member, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g45370	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g48290	Os02g0713400	thioredoxin reductase 2, putative, expressed
LOC_Os02g51010	Os02g0743900	membrane associated DUF588 domain containing protein, putative, expressed
LOC_Os02g53160	Os02g0771400	tyrosine phosphatase family protein, putative, expressed
LOC_Os02g57860	None	OsFBX71 - F-box domain containing protein, expressed
LOC_Os03g06530	None	expressed protein
LOC_Os03g08170	Os03g0179400	protein kinase APK1B, chloroplast precursor, putative, expressed
LOC_Os03g08180	Os03g0179500	expressed protein
LOC_Os03g08190	Os03g0179600	expressed protein
LOC_Os03g08200	Os03g0179700	DUF567 domain containing protein, putative, expressed
LOC_Os03g08210	None	hypothetical protein

LOC_Os03g08220	Os03g0179900, Os03g0179950	lipoxygenase protein, putative, expressed
LOC_Os03g11800	None	expressed protein
LOC_Os03g12730	Os03g0228800	receptor protein kinase CLAVATA1 precursor, putative, expressed
LOC_Os03g13920	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os03g16860	Os03g0276500	DnaK family protein, putative, expressed
LOC_Os03g23940	Os03g0355500	expressed protein
LOC_Os03g23950	Os03g0355600	adipitin protein, putative, expressed
LOC_Os03g27320	Os03g0390700	steroid binding protein, putative, expressed
LOC_Os03g27340	Os03g0390900	expressed protein
LOC_Os03g27350	Os03g0391000	cysteine protease ATG4, putative, expressed
LOC_Os03g27360	Os03g0391100	RING-H2 finger protein ATL5H precursor, putative, expressed
LOC_Os03g30460	Os03g0417900	vacuolar protein sorting-associated protein 52, putative, expressed
LOC_Os03g30470	Os03g0418000	CHIT4 - Chitinase family protein precursor, expressed
LOC_Os03g30500	None	hypothetical protein
LOC_Os03g32540	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os03g34030	None	hypothetical protein
LOC_Os03g36070	None	retrotransposon protein, putative, unclassified
LOC_Os03g36110	Os03g0559900	expressed protein
LOC_Os03g36220	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g42130	Os03g0618300	gibberellin 20 oxidase 2, putative, expressed
LOC_Os03g42440	Os03g0622300	expressed protein
LOC_Os03g42490	Os03g0622800	expressed protein
LOC_Os03g42510	Os03g0623000	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os03g43114	Os03g0629900	expressed protein
LOC_Os03g45330	Os03g0656000, Os03g0656075	hsp20/alpha crystallin family protein, putative, expressed
LOC_Os03g45340	Os03g0656100	hsp20/alpha crystallin family protein, putative, expressed
LOC_Os03g45344	Os03g0656201	expressed protein
LOC_Os03g45350	None	expressed protein

LOC_Os03g45710	Os03g0659200, Os03g0659233	2Fe-2S iron-sulfur cluster binding domain containing protein, expressed
LOC_Os03g45720	Os03g0659300	glyoxalase family protein, putative, expressed
LOC_Os03g45730	Os03g0659400	DNA-binding protein-like, putative, expressed
LOC_Os03g45744	None	hypothetical protein
LOC_Os03g45750	Os03g0659700	DUF260 domain containing protein, putative, expressed
LOC_Os03g45760	Os03g0659800	expressed protein
LOC_Os03g45830	Os03g0660300	OsSAUR15 - Auxin-responsive SAUR gene family member
LOC_Os03g45850	Os03g0660400	OsSAUR16 - Auxin-responsive SAUR gene family member, expressed
LOC_Os03g45870	Os03g0660700	expressed protein
LOC_Os03g45880	None	expressed protein
LOC_Os03g46240	None	hypothetical protein
LOC_Os03g46250	Os03g0665000	acetyltransferase, GNAT family, putative, expressed
LOC_Os03g53010	Os03g0741000	acyl-desaturase, chloroplast precursor, putative, expressed
LOC_Os03g56740	Os03g0779400	expressed protein
LOC_Os03g56750	None	expressed protein
LOC_Os03g58080	Os03g0795000	BT1 family protein, putative, expressed
LOC_Os03g59030	Os03g0804900	UDP-rhamnose rhamnosyltransferase, putative, expressed
LOC_Os03g59225	Os03g0807000	expressed protein
LOC_Os04g09330	None	expressed protein
LOC_Os04g09420	None	hypothetical protein
LOC_Os04g14540	Os04g0221800	expressed protein
LOC_Os04g15900	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os04g16832	None	chloroplast 30S ribosomal protein S8, putative, expressed
LOC_Os04g16848	None	photosystem II reaction center protein H, putative
LOC_Os04g23890	Os04g0304200	AGC_PVPK_like_kin82y
LOC_Os04g25790	None	expressed protein
LOC_Os04g28074	Os04g0348200	expressed protein
LOC_Os04g28234	Os04g0350000	Rf1, mitochondrial precursor, putative, expressed
LOC_Os04g28280	Os04g0350700	BEE 3, putative, expressed

LOC_Os04g28290	Os04g0350900	transposon protein, putative, unclassified, expressed
LOC_Os04g28310	None	expressed protein
LOC_Os04g28480	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g28500	None	expressed protein
LOC_Os04g28520	Os04g0353600	male sterility protein, putative, expressed
LOC_Os04g28805	Os04g0357000	expressed protein
LOC_Os04g28810	Os04g0357100	expressed protein
LOC_Os04g28830	Os04g0357400	RALFL34 - Rapid ALkalization Factor RALF family protein precursor, putative, expressed
LOC_Os04g28840	Os04g0357500	RALFL35 - Rapid ALkalization Factor RALF family protein precursor, putative, expressed
LOC_Os04g29100	None	hypothetical protein
LOC_Os04g29260	None	expressed protein
LOC_Os04g29270	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g29280	None	expressed protein
LOC_Os04g33720	Os04g0413200	glycosyl hydrolases, putative, expressed
LOC_Os04g38680	Os04g0460300	transmembrane amino acid transporter protein, putative, expressed
LOC_Os04g38700	Os04g0460500	molybdopterin biosynthesis protein CNX3, putative, expressed
LOC_Os04g40600	Os04g0482000	peptide methionine sulfoxide reductase, putative, expressed
LOC_Os04g41080	Os04g0487800	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os04g42770	Os04g0506900	expressed protein
LOC_Os04g43020	Os04g0509000	protein kinase, putative, expressed
LOC_Os04g43030	Os04g0509100	lipase class 3 family protein, putative, expressed
	Os04g0512700, Os04g0512750, Os04g0512775,	G-patch domain containing protein, putative, expressed
LOC_Os04g43324	Os04g0512800	disease resistance RPP13-like protein 1, putative, expressed
LOC_Os04g43340	Os04g0512900	expressed protein
LOC_Os04g43350	Os04g0513000	DUF647 domain containing protein, putative, expressed
LOC_Os04g43690	Os04g0517300	

LOC_Os04g43710	Os04g0517500	CAMK_CAMK_like
LOC_Os04g43770	Os04g0518200	expressed protein
LOC_Os04g43824	Os04g0518650	expressed protein
LOC_Os04g43840	Os04g0518800	possible lysine decarboxylase domain containing protein, expressed
LOC_Os04g43880	Os04g0519300	expressed protein
LOC_Os04g44190	Os04g0522800	expressed protein
LOC_Os04g44200	Os04g0523000	oxygen-evolving enhancer protein 3, chloroplast precursor, putative, expressed
LOC_Os04g44210	Os04g0523100	expressed protein
LOC_Os04g44230	Os04g0523500	cytokinin dehydrogenase precursor, putative, expressed
LOC_Os04g44240	Os04g0523600	cytokinin-O-glucosyltransferase 3, putative, expressed
LOC_Os04g44460	Os04g0526300	sulfotransferase domain containing protein, expressed
LOC_Os04g44470	Os04g0526600	KUN1 - Kunitz-type trypsin inhibitor precursor, expressed
LOC_Os04g44520	None	expressed protein
LOC_Os04g45350	None	expressed protein
LOC_Os04g45560	None	hypothetical protein
LOC_Os04g45570	Os04g0538700	expressed protein
LOC_Os04g45740	None	hypothetical protein
LOC_Os04g53050	None	disease resistance RPP13-like protein 1, putative, expressed
LOC_Os04g56900	Os04g0664500	transferase family protein, putative, expressed
LOC_Os04g57260	None	expressed protein
LOC_Os04g57300	Os04g0668700	phosphatidylinositol 3- and 4-kinase family protein, putative, expressed
LOC_Os04g57310	Os04g0668800	thiol-disulphide oxidoreductase DCC, putative, expressed
LOC_Os04g57400	Os04g0669800	methylthioribose kinase, putative, expressed
LOC_Os04g57420	Os04g0670000	reticulon domain containing protein, putative, expressed
LOC_Os04g57430	Os04g0670100	uncharacterized protein At4g06744 precursor, putative, expressed
LOC_Os05g01880	None	expressed protein
LOC_Os05g02700	None	expressed protein
LOC_Os05g02710	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g02720	Os05g0118600	expressed protein
LOC_Os05g08980	Os05g0182700	expressed protein

LOC_Os05g09050	Os05g0183200	MLO domain containing protein, putative, expressed
LOC_Os05g21240	Os05g0183300	expressed protein
LOC_Os05g22960	None	expressed protein
LOC_Os05g22970	Os05g0295700	glyoxalase family protein, putative, expressed
LOC_Os05g22990	Os05g0295800	expressed protein
LOC_Os05g23000	Os05g0295900	expressed protein
LOC_Os05g25940	None	expressed protein
LOC_Os05g28490	Os05g0353100	FAD-binding domain-containing protein, putative, expressed
LOC_Os05g34330	Os05g0415900	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g46920	Os05g0547100	expressed protein
LOC_Os05g48430	None	hypothetical protein
LOC_Os05g48470	Os05g0558500	expressed protein
LOC_Os05g51710	Os05g0595500	pleckstrin homology domain-containing protein-related taxo, putative, expressed
LOC_Os05g51760	Os05g0596300	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os06g01050	None	expressed protein
LOC_Os06g10660	Os06g0208800	lysM domain-containing GPI-anchored protein 1 precursor, putative, expressed
LOC_Os06g10670	Os06g0209100	aspartic proteinase nepenthesin-1 precursor, putative, expressed
LOC_Os06g10680	Os06g0209200	expressed protein
LOC_Os06g10690	Os06g0209300	PHD-finger domain containing protein, putative, expressed
LOC_Os06g11650	Os06g0219900	phosphate-induced protein 1 conserved region domain containing protein, expressed
LOC_Os06g30750	Os06g0503400	reticulon domain containing protein, putative, expressed
LOC_Os06g30770	Os06g0503700	CAF1 family ribonuclease containing protein, putative, expressed
LOC_Os06g34700	None	expressed protein
LOC_Os06g38590	Os06g0585950	receptor-like protein kinase precursor, putative, expressed
LOC_Os06g38600	None	expressed protein
LOC_Os06g39708	None	photosystem II P680 chlorophyll A apoprotein, putative, expressed
LOC_Os06g39712	None	OsClp10 - Putative Clp protease homologue, expressed
LOC_Os06g39716	None	chloroplast 30S ribosomal protein S18, putative, expressed
LOC_Os06g39718	None	chloroplast 50S ribosomal protein L33, putative, expressed
LOC_Os06g41360	Os06g0617800	phosphoribosyl transferase, putative, expressed

LOC_Os06g41380	Os06g0618000	expressed protein
LOC_Os06g41610	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os06g44510	None	hypothetical protein
LOC_Os06g44830	None	expressed protein
LOC_Os06g49920	Os06g0713300	expressed protein
LOC_Os06g49930	Os06g0713400	OsFBX207 - F-box domain containing protein, expressed
LOC_Os07g02730	None	expressed protein
LOC_Os07g02740	Os07g0118600	hypothetical protein
LOC_Os07g02770	Os07g0118900	OsFBL32 - F-box domain and LRR containing protein, expressed
LOC_Os07g05470	Os07g0148800	AIR9 protein, putative, expressed
LOC_Os07g05670	Os07g0151500	expressed protein
LOC_Os07g05680	Os07g0151600	expressed protein
LOC_Os07g05690	Os07g0151700	expressed protein
LOC_Os07g05740	Os07g0152200	receptor-like protein kinase 2 precursor, putative, expressed
LOC_Os07g05760	None	expressed protein
LOC_Os07g07640	Os07g0172800	hypothetical protein
LOC_Os07g07646	Os07g0172900	expressed protein
LOC_Os07g07780	None	expressed protein
LOC_Os07g07790	Os07g0174400	LTPL75 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os07g07820	Os07g0174700	expressed protein
LOC_Os07g07974	Os07g0176200	tesmin/TSO1-like CXC domain containing protein, expressed
LOC_Os07g09520	Os07g0193000	expressed protein
LOC_Os07g09530	Os07g0193200	ankyrin repeat family protein, putative, expressed
LOC_Os07g11020	Os07g0211500	rc - bHLH transcription factor regulating proanthocyanidin production in seeds, expressed
LOC_Os07g11330	Os07g0213800	RAL2 - Seed allergenic protein RA5/RA14/RA17 precursor, expressed
LOC_Os07g14514	Os07g0248800, Os07g0248900	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g14540	Os07g0249200	vesicle-associated membrane protein, putative, expressed
LOC_Os07g14720	None	expressed protein

LOC_Os07g18510	Os07g0285200	OsFBLD5 - F-box, LRR and FBD domain containing protein, expressed
LOC_Os07g20290	Os07g0298400	expressed protein
LOC_Os07g22024	Os07g0404300	zinc finger family protein, putative, expressed
LOC_Os07g22730	Os07g0410300	AP2 domain containing protein, expressed
LOC_Os07g22760	None	conserved hypothetical protein
LOC_Os07g23100	None	expressed protein
LOC_Os07g26530	None	hypothetical protein
LOC_Os07g26990	Os07g0452801	expressed protein
LOC_Os07g29600	Os07g0479100	zinc finger, C3HC4 type, domain containing protein, expressed
LOC_Os07g31720	Os07g0500300	GTPase activating protein, putative, expressed
LOC_Os07g31750	Os07g0500800	chalcone synthase, putative, expressed
LOC_Os07g31930	None	hypothetical protein
LOC_Os07g35050	Os07g0535100	OsFBX237 - F-box domain containing protein, expressed
LOC_Os07g37270	Os07g0558800	MSP domain containing protein, putative, expressed
LOC_Os07g39120	Os07g0579100	expressed protein
LOC_Os07g39140	Os07g0579500	expressed protein
LOC_Os07g39190	Os07g0580200	expressed protein
LOC_Os07g39200	None	hypothetical protein
LOC_Os08g02450	Os08g0117800	ATCHX, putative, expressed
LOC_Os08g02600	Os08g0119500	methyltransferase domain containing protein, expressed
LOC_Os08g13430	Os08g0231100	expressed protein
LOC_Os08g13440	Os08g0231400	cupin domain containing protein, expressed
LOC_Os08g13460	None	expressed protein
LOC_Os08g14350	Os08g0241700	expressed protein
LOC_Os08g29040	Os08g0378300	protein kinase domain containing protein, expressed
LOC_Os08g33050	Os08g0426866	MYB family transcription factor, putative, expressed
LOC_Os08g37610	Os08g0482100	expressed protein
LOC_Os08g37630	Os08g0482300	elastin precursor, putative, expressed
LOC_Os08g37650	Os08g0482500	expressed protein
LOC_Os08g37660	Os08g0482600	plastocyanin-like domain containing protein, putative, expressed

LOC_Os08g37680	None	expressed protein
LOC_Os08g37830	None	expressed protein
LOC_Os08g38170	Os08g0489300	methyladenine glycosylase, putative, expressed
LOC_Os08g38480	Os08g0493100	OsFBX300 - F-box domain containing protein, expressed
LOC_Os08g38650	Os08g0494700	expressed protein
LOC_Os08g38670	None	expressed protein
LOC_Os08g39250	Os08g0502000	EDM2, putative, expressed
LOC_Os08g39270	Os08g0502400	fasciclin domain containing protein, expressed
LOC_Os08g40790	Os08g0519400	DNA repair ATPase-related, putative, expressed
LOC_Os08g42268	Os08g0534900	expressed protein
LOC_Os08g42320	Os08g0535100	expressed protein
LOC_Os09g03960	None	expressed protein
LOC_Os09g08920	Os09g0263933	cytochrome P450, putative, expressed
LOC_Os09g16850	Os09g0338000	A3-BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with A3 subfamily conserved sequence, expressed
LOC_Os09g21580	Os09g0384100	OsFBX324 - F-box domain containing protein, expressed
LOC_Os09g21710	Os09g0385700	AN1-like zinc finger domain containing protein, expressed
LOC_Os09g21720	Os09g0386000	expressed protein
LOC_Os09g22110	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os09g22440	Os09g0392000	expressed protein
LOC_Os09g23500	Os09g0399501	hypothetical protein
LOC_Os09g30170	Os09g0479000	F-box protein interaction domain containing protein, expressed
LOC_Os10g08018	Os10g0163310	expressed protein
LOC_Os10g08230	Os10g0164500	retrotransposon, putative, centromere-specific, expressed
LOC_Os10g40920	Os10g0558600	pentatricopeptide, putative, expressed
LOC_Os10g40934	Os10g0558700, Os10g0558750	flavonol synthase/flavanone 3-hydroxylase, putative, expressed
LOC_Os10g40950	None	polyol transporter 5, putative, expressed
LOC_Os10g42040	Os10g0570200	expressed protein
LOC_Os11g03240	Os11g0126100	MATE efflux family protein, putative, expressed

LOC_Os11g04130	None	nodulin MtN21 family protein, putative, expressed
LOC_Os11g11620	None	ZmEBE-1 protein, putative, expressed
LOC_Os11g22449	Os11g0417800	expressed protein
LOC_Os11g24170	Os11g0429100	CC-NBS-LRR protein, putative, expressed
LOC_Os11g39160	Os11g0604900	NBS-LRR disease resistance protein, putative, expressed
LOC_Os12g09610	Os12g0197900	expressed protein
LOC_Os12g09640	Os12g0198200	protein phosphatase 2C, putative, expressed
LOC_Os12g09660	Os12g0198400	expressed protein
LOC_Os12g20370	Os12g0299050	expressed protein
LOC_Os12g26220	Os12g0448400	expressed protein
LOC_Os12g33460	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os12g40830	Os12g0600400	kinase, pfkB family, putative, expressed
LOC_Os12g41050	None	hypothetical protein

Shared genes in japonica-rufipogon comparision

LOC_Os01g02240	None	transposon protein, putative, unclassified, expressed
LOC_Os01g05580	None	Exo70 exocyst complex subunit family, putative, expressed
LOC_Os01g06810	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g08440	Os01g0179600	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed
LOC_Os01g09060	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g10770	Os01g0204900	expressed protein
LOC_Os01g15830	Os01g0263300	peroxidase precursor, putative, expressed
LOC_Os01g19894	Os01g0304500	transposon protein, putative, unclassified, expressed
LOC_Os01g27260	Os01g0370200	glutathione S-transferase, putative, expressed
LOC_Os01g36390	Os01g0544450	MCM4 - Putative minichromosome maintenance MCM complex subunit 4, expressed
LOC_Os01g37325	Os01g0553901	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g41430	Os01g0597800	UDP-glucuronosyl and UDP-glucosyl transferase, putative, expressed
LOC_Os01g53440	None	expressed protein
LOC_Os01g56120	Os01g0766800, Os01g0766850	RNA recognition motif containing protein, putative, expressed

LOC_Os01g57599	Os01g0785300	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g63170	None	transposon protein, putative, unclassified, expressed
LOC_Os02g16030	Os02g0261000	harpin-induced protein 1 domain containing protein, expressed
LOC_Os02g16040	Os02g0261100	ubiquitin-conjugating enzyme, putative, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g45370	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os03g05560	Os03g0149700	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os03g11840	Os03g0217900	expressed protein
LOC_Os04g15760	None	DEFL51 - Defensin and Defensin-like DEFL family, expressed
LOC_Os04g21880	Os04g0286800	expressed protein
LOC_Os04g21890	None	disease resistance protein RPM1, putative, expressed
LOC_Os04g21900	None	expressed protein
LOC_Os04g30920	None	expressed protein
LOC_Os04g42210	Os04g0500300	GPI-anchored protein, putative, expressed
LOC_Os06g30470	Os06g0500100	expressed protein
LOC_Os06g39800	Os06g0599400	expressed protein
LOC_Os07g34990	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g38664	Os07g0574400	expressed protein
LOC_Os08g12650	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os10g27070	None	hypothetical protein

Genes in japonica-rufipogon_SNP

LOC_Os01g01560	Os01g0105300	transposon protein, putative, unclassified, expressed
LOC_Os01g02240	None	transposon protein, putative, unclassified, expressed
LOC_Os01g02500	Os01g0115200	glutamyl-tRNA amidotransferase, putative, expressed
LOC_Os01g03830	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g05320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g05580	None	Exo70 exocyst complex subunit family, putative, expressed
LOC_Os01g06330	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g06430	Os01g0157500	expressed protein

LOC_Os01g06810	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g07450	Os01g0169100	MYB family transcription factor, putative, expressed
LOC_Os01g08440	Os01g0179600	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed
LOC_Os01g09060	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g09110	None	retrotransposon protein, putative, unclassified
LOC_Os01g09440	None	expressed protein
LOC_Os01g09450	Os01g0190300	OsIAA2 - Auxin-responsive Aux/IAA gene family member, expressed
LOC_Os01g09460	Os01g0190400	hexokinase, putative, expressed
LOC_Os01g09850	Os01g0195000, Os01g0195066	ZOS1-04 - C2H2 zinc finger protein, expressed
LOC_Os01g10030	Os01g0196800	expressed protein
LOC_Os01g10770	Os01g0204900	expressed protein
LOC_Os01g10850	Os01g0205900	peroxidase precursor, putative, expressed
LOC_Os01g11200	Os01g0210200	transforming protein myb, putative, expressed
LOC_Os01g12040	None	transposon protein, putative, unclassified, expressed
LOC_Os01g12680	Os01g0226600	C4-dicarboxylate transporter/malic acid transport protein, expressed
LOC_Os01g13690	Os01g0238500	ligA, putative, expressed
LOC_Os01g13720	Os01g0238800	expressed protein
LOC_Os01g13730	Os01g0238900	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os01g14340	Os01g0245901	expressed protein
LOC_Os01g14360	None	expressed protein
LOC_Os01g15260	Os01g0256400	dynein light chain type 1 domain containing protein, expressed
LOC_Os01g15270	Os01g0256500	expressed protein
LOC_Os01g15290	Os01g0256600	ribosomal L18p/L5e family protein, putative, expressed
LOC_Os01g15300	Os01g0256800	zinc finger helicase family protein, putative, expressed
LOC_Os01g15310	Os01g0256900	LSM domain containing protein, expressed
LOC_Os01g15320	Os01g0257100	RALFL9 - Rapid ALkalinization Factor RALF family protein precursor, expressed
LOC_Os01g15830	Os01g0263300	peroxidase precursor, putative, expressed
LOC_Os01g15910	Os01g0264100	UTP--glucose-1-phosphate uridylyltransferase, putative, expressed
LOC_Os01g18020	None	retrotransposon protein, putative, unclassified

LOC_Os01g18250	None	subtilase, putative, expressed
LOC_Os01g18730	None	expressed protein
LOC_Os01g19310	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g19710	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g19720	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g19894	Os01g0304500	transposon protein, putative, unclassified, expressed
LOC_Os01g21550	None	expressed protein
LOC_Os01g21760	None	retrotransposon protein, putative, unclassified
LOC_Os01g23960	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g25040	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g25100	Os01g0353400	glutathione S-transferase, putative, expressed
LOC_Os01g25330	Os01g0355600	SAC9, putative, expressed
LOC_Os01g25340	Os01g0355700	expressed protein
LOC_Os01g25360	Os01g0355800	esterase, putative, expressed
LOC_Os01g25370	Os01g0355900	SUMO protease, putative, expressed
LOC_Os01g27070	Os01g0368500	expressed protein
LOC_Os01g27150	Os01g0369000	cullin, putative, expressed
	Os01g0369200,	
LOC_Os01g27160	Os01g0369366	cullin, putative, expressed
LOC_Os01g27190	Os01g0369500	C2 domain containing protein, putative, expressed
LOC_Os01g27230	Os01g0369900	12-oxophytodienoate reductase, putative, expressed
LOC_Os01g27260	Os01g0370200	glutathione S-transferase, putative, expressed
LOC_Os01g27834	None	hypothetical protein
LOC_Os01g28270	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g28540	Os01g0382700	stress regulated protein, putative, expressed
LOC_Os01g28570	Os01g0382800	pentatricopeptide, putative, expressed
LOC_Os01g29430	Os01g0390600	tetratricopeptide-like helical, putative, expressed
LOC_Os01g29450	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29507	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os01g29820	Os01g0392800	expressed protein

LOC_Os01g31020	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g31430	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g32500	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g33030	Os01g0513800	Brix domain containing protein, putative, expressed
LOC_Os01g34440	None	expressed protein
LOC_Os01g34510	None	hypothetical protein
LOC_Os01g36294	Os01g0543600	cytochrome P450, putative, expressed
LOC_Os01g36330	Os01g0544000	expressed protein
LOC_Os01g36340	None	expressed protein
LOC_Os01g36390	Os01g0544450	MCM4 - Putative minichromosome maintenance MCM complex subunit 4, expressed
LOC_Os01g36490	None	hypothetical protein
LOC_Os01g36500	Os01g0545500	TKL_IRAK_DUF26-lh
	Os01g0545600,	expressed protein
LOC_Os01g36510	Os01g0545701	
LOC_Os01g37325	Os01g0553901	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g37750	Os01g0558100	glutathione S-transferase, putative, expressed
LOC_Os01g38110	Os01g0561600	cytochrome P450, putative, expressed
LOC_Os01g39136	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g39970	Os01g0581400	protein kinase domain containing protein, putative, expressed
LOC_Os01g41430	Os01g0597800	UDP-glucoronosyl and UDP-glucosyl transferase, putative, expressed
LOC_Os01g43760	Os01g0627933	cytochrome P450 72A1, putative, expressed
LOC_Os01g45040	Os01g0637300	Leucine rich repeat N-terminal domain containing protein, putative, expressed
LOC_Os01g45060	Os01g0637500	polygalacturonase, putative, expressed
LOC_Os01g46984	Os01g0659400	expressed protein
LOC_Os01g47600	Os01g0666200	HMG1/2, putative, expressed
LOC_Os01g47610	Os01g0666400	lipase class 3 family protein, putative, expressed
LOC_Os01g47620	Os01g0666500	expressed protein
LOC_Os01g47630	Os01g0666600	expressed protein
LOC_Os01g47635	None	expressed protein
LOC_Os01g48010	Os01g0670200	expressed protein

LOC_Os01g48030	None	expressed protein
LOC_Os01g48040	Os01g0670600	S-locus-like receptor protein kinase, putative, expressed
LOC_Os01g48060	Os01g0670800	auxin response factor, putative, expressed
LOC_Os01g48120	None	expressed protein
LOC_Os01g48380	Os01g0674700	PPR repeat domain containing protein, putative, expressed
LOC_Os01g48390	Os01g0674800	expressed protein
LOC_Os01g48400	Os01g0674900	hypothetical protein
LOC_Os01g48410	Os01g0675000	ATROPGEF7/ROPGEF7, putative, expressed
LOC_Os01g48420	Os01g0675100	peroxiredoxin, putative, expressed
LOC_Os01g52000	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g52920	Os01g0729900	expressed protein
LOC_Os01g53440	None	expressed protein
LOC_Os01g55710	Os01g0762700	DNA-binding protein, putative, expressed
LOC_Os01g56120	Os01g0766800,	RNA recognition motif containing protein, putative, expressed
	Os01g0766850	
LOC_Os01g56530	Os01g0772100	DUF260 domain containing protein, putative, expressed
LOC_Os01g56930	Os01g0777200	eukaryotic aspartyl protease domain containing protein, expressed
LOC_Os01g56940	Os01g0777300	flap endonuclease, putative, expressed
LOC_Os01g57150	Os01g0779800	SR protein related family member, putative, expressed
LOC_Os01g57170	Os01g0780100	expressed protein
LOC_Os01g57450	Os01g0783500	universal stress protein domain containing protein, putative, expressed
LOC_Os01g57599	Os01g0785300	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g57954	None	translation initiation factor IF-1, chloroplast, putative, expressed
LOC_Os01g57956	None	chloroplast 50S ribosomal protein L14, putative, expressed
LOC_Os01g57958	None	chloroplast 50S ribosomal protein L16, putative, expressed
LOC_Os01g58870	Os01g0802850	domain of unknown function, DUF250 domain containing protein, expressed
LOC_Os01g60910	Os01g0824600	CAMK_KIN1/SNF1/Nim1_like
LOC_Os01g61880	Os01g0835500	respiratory burst oxidase, putative, expressed
LOC_Os01g63040	Os01g0849900	expressed protein
LOC_Os01g63170	None	transposon protein, putative, unclassified, expressed

LOC_Os01g65380	Os01g0874700	patellin protein, putative, expressed
LOC_Os01g65400	Os01g0874800	DNA polymerase I, putative, expressed
LOC_Os01g65410	Os01g0874900	serine hydroxymethyltransferase, mitochondrial precursor, putative, expressed
LOC_Os01g65900	Os01g0881500	chitin-inducible gibberellin-responsive protein, putative, expressed
LOC_Os01g65902	None	apocytochrome f precursor, putative, expressed
LOC_Os01g65920	Os01g0881900	F-box/LRR-repeat protein 2, putative, expressed
LOC_Os01g65940	None	expressed protein
LOC_Os01g67100	Os01g0896300	expressed protein
LOC_Os01g72400	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g72650	Os01g0956600	RNA recognition motif containing protein, putative, expressed
LOC_Os01g73100	Os01g0962000	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g73590	Os01g0966900	transporter family protein, putative, expressed
LOC_Os02g01180	Os02g0101800	kinesin motor domain containing protein, putative, expressed
LOC_Os02g01190	Os02g0101900	POEI25 - Pollen Ole e I allergen and extensin family protein precursor, expressed
LOC_Os02g01240	Os02g0102600	CPuORF11 - conserved peptide uORF-containing transcript, expressed
LOC_Os02g01250	Os02g0102700	LSM domain containing protein, expressed
LOC_Os02g01270	Os02g0102800	START domain containing protein, expressed
LOC_Os02g01800	Os02g0107700	receptor-like protein kinase precursor, putative, expressed
LOC_Os02g01820	Os02g0107900	ABC2 homolog 4, putative, expressed
LOC_Os02g02150	Os02g0111900	ATP-dependent helicase HRQ1, putative, expressed
LOC_Os02g02400	Os02g0115700	catalase isozyme A, putative, expressed
LOC_Os02g03200	Os02g0124400	FAD-binding and arabino-lactone oxidase domains containing protein, putative, expressed
LOC_Os02g03360	None	expressed protein
LOC_Os02g03390	Os02g0126200	expressed protein
LOC_Os02g03400	Os02g0126300	microtubule associated protein, putative, expressed
LOC_Os02g08160	Os02g0178200	OsFBD6 - F-box and FBD domain containing protein, expressed
LOC_Os02g08170	Os02g0178300	GDU1, putative, expressed
LOC_Os02g08180	Os02g0178400	protein transport protein SEC61 subunit gamma, putative, expressed
LOC_Os02g08190	Os02g0178500	CYPRO4, putative, expressed

LOC_Os02g10240	Os02g0196100	ZOS2-05 - C2H2 zinc finger protein, expressed
LOC_Os02g11000	Os02g0204500	agenet domain containing protein, putative, expressed
LOC_Os02g11060	Os02g0205400	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os02g11950	Os02g0210900	expressed protein
LOC_Os02g11970	Os02g0211100	expressed protein
LOC_Os02g13800	Os02g0232000	HSF-type DNA-binding domain containing protein, expressed
LOC_Os02g16030	Os02g0261000	harpin-induced protein 1 domain containing protein, expressed
LOC_Os02g16040	Os02g0261100	ubiquitin-conjugating enzyme, putative, expressed
LOC_Os02g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os02g16490	Os02g0264700	expressed protein
LOC_Os02g22740	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g25624	Os02g0453300	expressed protein
LOC_Os02g28530	None	expressed protein
LOC_Os02g29770	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g29774	Os02g0501350	expressed protein
LOC_Os02g29890	Os02g0502500	expressed protein
LOC_Os02g29900	Os02g0502600	expressed protein
LOC_Os02g33550	Os02g0538700	harpin-induced protein 1 domain containing protein, expressed
LOC_Os02g33560	Os02g0538900	expressed protein
LOC_Os02g33570	None	expressed protein
LOC_Os02g34290	None	expressed protein
LOC_Os02g37880	Os02g0591900	cyclin G-associated kinase, putative, expressed
LOC_Os02g37910	Os02g0592200	expressed protein
LOC_Os02g37920	Os02g0592300	expressed protein
LOC_Os02g37930	Os02g0592400	hypoxia-responsive family protein, putative, expressed
LOC_Os02g37940	Os02g0592500	CRP12 - Cysteine-rich family protein precursor, expressed
LOC_Os02g42590	Os02g0638900	WD-40 repeat family protein, putative, expressed
LOC_Os02g42600	Os02g0639000	double-stranded RNA binding motif containing protein, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g44720	Os02g0667300	expressed protein

LOC_Os02g44730	Os02g0667500	tetracycline transporter protein, putative, expressed
LOC_Os02g44740	Os02g0667600	expressed protein
LOC_Os02g44750	None	expressed protein
LOC_Os02g44810	Os02g0668400	tRNA pseudouridine synthase family protein, putative, expressed
LOC_Os02g44820	Os02g0668500	rho-GTPase-activating protein-related, putative, expressed
LOC_Os02g44830	None	hypothetical protein
LOC_Os02g45370	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g47490	Os02g0703800	expressed protein
LOC_Os02g47500	Os02g0703900	nodulin, putative, expressed
LOC_Os02g47510	Os02g0704000	9-cis-epoxycarotenoid dioxygenase 1, chloroplast precursor, putative, expressed
LOC_Os02g47520	None	expressed protein
LOC_Os02g48200	Os02g0712600	lectin-like protein kinase, putative, expressed
LOC_Os02g48220	Os02g0712800	expressed protein
LOC_Os02g48290	Os02g0713400	thioredoxin reductase 2, putative, expressed
LOC_Os02g53030	Os02g0769700	mitogen-activated protein kinase kinase kinase 1, putative, expressed
LOC_Os02g53040	Os02g0769800	STE_MEKK_ste11_MAP3K
LOC_Os02g53050	Os02g0769900	tetratricopeptide-like helical, putative, expressed
LOC_Os02g53670	Os02g0776700	MYB family transcription factor, putative, expressed
LOC_Os02g57490	Os02g0820500	DUF260 domain containing protein, putative, expressed
	Os03g0102300,	
	Os03g0102333,	
LOC_Os03g01240	Os03g0102366	
	Os03g0103800,	
	Os03g0104000	expressed protein
LOC_Os03g01360	Os03g0109400	START domain containing protein, expressed
LOC_Os03g01890	Os03g0109500	40S ribosomal protein S17, putative, expressed
LOC_Os03g01900	Os03g0109600	transcription factor BTF3, putative, expressed
LOC_Os03g01910	Os03g0109700	expressed protein
LOC_Os03g01920	Os03g0109800	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g01930	Os03g0111700	valyl-tRNA synthetase, putative, expressed

LOC_Os03g02280	Os03g0113900	DUF584 domain containing protein, putative, expressed
LOC_Os03g03550	Os03g0127500	bZIP family transcription factor, putative, expressed
LOC_Os03g03890	Os03g0131000	protein kinase family protein, putative, expressed
LOC_Os03g03930	Os03g0131400	tRNA nucleotidyltransferase/polyA polymerase family protein, putative, expressed
LOC_Os03g04500	Os03g0138000	tetratricopeptide repeat domain containing protein, expressed
	Os03g0146900,	
LOC_Os03g05340	Os03g0147001	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g05480	Os03g0148800	ZOS3-01 - C2H2 zinc finger protein, expressed
LOC_Os03g05490	Os03g0148900	ZOS3-02 - C2H2 zinc finger protein, expressed
LOC_Os03g05500	Os03g0149000	DUF260 domain containing protein, putative, expressed
LOC_Os03g05560	Os03g0149700	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os03g06090	Os03g0156700	high-affinity nickel-transport family protein, putative, expressed
LOC_Os03g06120	Os03g0157300	PLAC8 family protein, expressed
LOC_Os03g07930	Os03g0176100	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os03g07950	Os03g0176500	expressed protein
LOC_Os03g10060	Os03g0196800	S10/S20 domain containing ribosomal protein, putative, expressed
LOC_Os03g10070	Os03g0196900	transcription initiation factor IIB, putative, expressed
	Os03g0197000,	
LOC_Os03g10080	Os03g0197050	expressed protein
LOC_Os03g10110	Os03g0197300	cupin domain containing protein, expressed
LOC_Os03g10140	Os03g0197800	ZOS3-04 - C2H2 zinc finger protein, expressed
LOC_Os03g10150	Os03g0197900	DUF623 domain containing protein, expressed
LOC_Os03g11840	Os03g0217900	expressed protein
LOC_Os03g12530	Os03g0226400	cation efflux family protein, putative, expressed
LOC_Os03g12550	Os03g0226600	expressed protein
LOC_Os03g12790	Os03g0229500	MATE efflux family protein, putative, expressed
LOC_Os03g13660	None	expressed protein
LOC_Os03g17634	Os03g0284900	PPR repeat domain containing protein, putative, expressed
LOC_Os03g18779	Os03g0299700	expressed protein
LOC_Os03g21000	Os03g0326500	thioredoxin, putative, expressed

LOC_Os03g21010	Os03g0326550	expressed protein
LOC_Os03g21020	Os03g0326600	RNA recognition motif containing protein, putative, expressed
LOC_Os03g21570	Os03g0333501	DNA-binding protein, putative, expressed
LOC_Os03g21580	Os03g0333500	expressed protein
LOC_Os03g21630	Os03g0334100	PRC-barrel domain protein, putative, expressed
LOC_Os03g21720	Os03g0335300	vacuolar-sorting receptor precursor, putative, expressed
LOC_Os03g21730	Os03g0335500	receptor-like protein kinase precursor, putative, expressed
LOC_Os03g24960	Os03g0365000	ulp1 protease family, C-terminal catalytic domain containing protein, expressed
LOC_Os03g24970	Os03g0365100	SWIM zinc finger family protein, putative
LOC_Os03g30050	Os03g0414000	protein kinase family protein, putative, expressed
LOC_Os03g33060	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g34320	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g44380	Os03g0645900	9-cis-epoxycarotenoid dioxygenase 1, chloroplast precursor, putative, expressed
LOC_Os03g44500	Os03g0646900	serine/threonine protein phosphatase, putative, expressed
LOC_Os03g44760	Os03g0650400	SWI1, putative, expressed
LOC_Os03g45170	Os03g0654400	amino acid permease, putative, expressed
LOC_Os03g45370	Os03g0656500	sodium/calcium exchanger protein, putative, expressed
LOC_Os03g45710	Os03g0659200, Os03g0659233	2Fe-2S iron-sulfur cluster binding domain containing protein, expressed
LOC_Os03g46940	Os03g0672600	expressed protein
LOC_Os03g51610	Os03g0726200	Inositol 1, 3, 4-trisphosphate 5/6-kinase, putative, expressed
LOC_Os03g51620	Os03g0726300	DUF221 domain containing protein, expressed
LOC_Os03g51640	Os03g0726400	expressed protein
LOC_Os03g53270	Os03g0744600 Os03g0744650, Os03g0744675	stem-specific protein TSJT1, putative, expressed WD domain containing protein, putative, expressed
LOC_Os03g53280	Os03g0762400	peroxidase precursor, putative, expressed
LOC_Os03g55420	Os03g0784100	PLA IIIA/PLP7, putative, expressed
LOC_Os03g57080	Os03g0784700	ferredoxin--NADP reductase, chloroplast precursor, putative, expressed
LOC_Os03g57120	Os03g0798300	C-5 cytosine-specific DNA methylase, putative, expressed

LOC_Os03g58410	Os03g0798400	prenylated rab acceptor, putative, expressed
LOC_Os03g58420	Os03g0798500	WRKY6, expressed
LOC_Os03g58720	Os03g0801800	RNA recognition motif containing protein, putative, expressed
LOC_Os03g59225	Os03g0807000	expressed protein
	Os03g0808000,	
LOC_Os03g59330	Os03g0808150	polygalacturonase, putative, expressed
LOC_Os03g59760	Os03g0812200	RING finger protein 126, putative, expressed
LOC_Os03g59770	Os03g0812400	EF hand family protein, putative, expressed
LOC_Os03g60250	Os03g0817100	membrane associated DUF588 domain containing protein, putative, expressed
LOC_Os03g60910	Os03g0824100	PPR repeat domain containing protein, putative, expressed
LOC_Os03g60920	Os03g0824200	Methyltransferase small domain containing protein, expressed
LOC_Os03g60939	Os03g0824400	dolichyl-phosphate beta-glycosyltransferase, putative, expressed
LOC_Os03g60950	Os03g0824500	expressed protein
LOC_Os03g60960	Os03g0824600	cytokinin-N-glucosyltransferase 1, putative, expressed
	Os03g0824700,	
LOC_Os03g60976	Os03g0824800	expressed protein
LOC_Os03g63300	Os03g0850100	NLI interacting factor-like phosphatase, putative, expressed
LOC_Os04g02660	Os04g0117000	retrotransposon protein, putative, unclassified
LOC_Os04g04650	None	hypothetical protein
LOC_Os04g10480	None	hypothetical protein
LOC_Os04g12390	Os04g0200400	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os04g14840	Os04g0225250	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g15600	None	receptor kinase, putative, expressed
LOC_Os04g15670	Os04g0227300	expressed protein
LOC_Os04g15760	None	DEFL51 - Defensin and Defensin-like DEFL family, expressed
LOC_Os04g16824	None	chloroplast 30S ribosomal protein S3, putative, expressed
LOC_Os04g16832	None	chloroplast 30S ribosomal protein S8, putative, expressed
LOC_Os04g19250	None	hypothetical protein
LOC_Os04g21880	Os04g0286800	expressed protein
LOC_Os04g21890	None	disease resistance protein RPM1, putative, expressed

LOC_Os04g21900	None	expressed protein
LOC_Os04g22510	None	expressed protein
LOC_Os04g22800	Os04g0294625	expressed protein
LOC_Os04g22820	None	expressed protein
LOC_Os04g26330	None	expressed protein
LOC_Os04g28520	Os04g0353600	male sterility protein, putative, expressed
LOC_Os04g28530	None	expressed protein
LOC_Os04g28540	None	expressed protein
LOC_Os04g28630	None	hypothetical protein
LOC_Os04g28710	Os04g0355700	hypothetical protein
LOC_Os04g28720	Os04g0356000	RALFL32 - Rapid Alkalization Factor RALF family protein precursor, putative, expressed
LOC_Os04g28790	None	hypothetical protein
LOC_Os04g28850	Os04g0357700	RALFL36 - Rapid Alkalization Factor RALF family protein precursor, expressed
LOC_Os04g28860	Os04g0357850	expressed protein
LOC_Os04g30750	Os04g0376200	expressed protein
LOC_Os04g30780	Os04g0376500	eukaryotic translation initiation factor 3 subunit H, putative, expressed
LOC_Os04g30800	Os04g0376700	ER lumen protein retaining receptor, putative, expressed
LOC_Os04g30810	Os04g0376800	OsFBX129 - F-box domain containing protein, expressed
LOC_Os04g30880	Os04g0377600	TBC domain containing protein, expressed
LOC_Os04g30890	Os04g0377932	MYB family transcription factor, putative, expressed
LOC_Os04g30920	None	expressed protein
LOC_Os04g34550	Os04g0422800, Os04g0422900	expressed protein
LOC_Os04g34800	None	hypothetical protein
LOC_Os04g34860	None	expressed protein
LOC_Os04g36030	Os04g0441600	AIG1, putative, expressed
LOC_Os04g36040	Os04g0441800	peptide transporter PTR2, putative, expressed
LOC_Os04g40600	Os04g0482000	peptide methionine sulfoxide reductase, putative, expressed
LOC_Os04g41470	Os04g0492100	expressed protein

LOC_Os04g41480	None	skin secretory protein xP2 precursor, putative, expressed
LOC_Os04g41490	Os04g0492300	DNA-directed RNA polymerase III subunit RPC1, putative, expressed
LOC_Os04g42134	Os04g0499200	enhancer of rudimentary protein, putative, expressed
LOC_Os04g42140	Os04g0499300	eukaryotic initiation factor iso-4F subunit p82-34, putative, expressed
LOC_Os04g42150	None	hypothetical protein
LOC_Os04g42160	Os04g0499700	hypothetical protein
LOC_Os04g42174	Os04g0499800	expressed protein
LOC_Os04g42210	Os04g0500300	GPI-anchored protein, putative, expressed
LOC_Os04g42320	Os04g0501600	AT hook motif family protein, expressed
LOC_Os04g42340	Os04g0501800	expressed protein
LOC_Os04g42350	Os04g0502000	heavy metal-associated domain containing protein, expressed
LOC_Os04g42360	Os04g0502100	expressed protein
LOC_Os04g44020	Os04g0520800	expressed protein
LOC_Os04g44170	None	expressed protein
LOC_Os04g44230	Os04g0523500	cytokinin dehydrogenase precursor, putative, expressed
LOC_Os04g44240	Os04g0523600	cytokinin-O-glucosyltransferase 3, putative, expressed
LOC_Os04g47040	Os04g0557200	anthocyanin regulatory Lc protein, putative, expressed
LOC_Os04g49260	Os04g0581800	heavy metal-associated domain containing protein, expressed
LOC_Os04g49270	Os04g0582000	tRNA-splicing endonuclease positive effector-related, putative, expressed
LOC_Os04g49280	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g49290	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g57550	Os04g0671200	amine oxidase, flavin-containing, domain containing protein, expressed
LOC_Os04g57560	Os04g0671300	amine oxidase, flavin-containing, domain containing protein, expressed
LOC_Os04g59120	Os04g0687800	auxin-induced protein 5NG4, putative, expressed
LOC_Os05g01006	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g01880	None	expressed protein
LOC_Os05g02435	Os05g0114950	expressed protein
LOC_Os05g06230	None	expressed protein
LOC_Os05g06610	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g07680	Os05g0168800	KIP1, putative, expressed

LOC_Os05g07690	Os05g0169000	thioredoxin, putative, expressed
LOC_Os05g07710	Os05g0169200	WD40-like domain containing protein, putative, expressed
LOC_Os05g15490	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os05g31910	Os05g0384600	white-brown complex homolog protein 16, putative, expressed
LOC_Os05g35150	None	expressed protein
LOC_Os05g36320	Os05g0439100	expressed protein
LOC_Os05g40820	Os05g0486700	ribosomal protein L24, putative, expressed
LOC_Os05g43070	Os05g0506400	expressed protein
LOC_Os05g45260	None	expressed protein
LOC_Os05g45270	Os05g0528900	ribosomal L9, putative, expressed
LOC_Os05g45280	Os05g0529000	protein of unknown function DUF502 domain containing protein, expressed
LOC_Os05g45300	Os05g0529200	enoyl-CoA hydratase/isomerase family protein, putative, expressed
LOC_Os05g45310	Os05g0529300	ER lumen protein retaining receptor, putative, expressed
LOC_Os05g45320	Os05g0529400	ubiquitin domain-containing protein 1, putative, expressed
LOC_Os05g49530	Os05g0570500	F-box domain containing protein, expressed
LOC_Os06g04370	Os06g0134700	expressed protein
LOC_Os06g05900	Os06g0152300	methyltransferase, putative, expressed
LOC_Os06g05920	Os06g0152500	Rf1, mitochondrial precursor, putative, expressed
LOC_Os06g05930	Os06g0152600	expressed protein
LOC_Os06g05940	Os06g0152700	DTA2, putative, expressed
LOC_Os06g06090	Os06g0154500	CGMC_MAPKCMGC_2_ERK
LOC_Os06g09240	Os06g0192100	anthocyanidin 3-O-glucosyltransferase, putative, expressed
LOC_Os06g14220	Os06g0252800	STF-1, putative, expressed
LOC_Os06g14560	None	expressed protein
LOC_Os06g14860	None	hypothetical protein
LOC_Os06g21099	Os06g0315900	expressed protein
LOC_Os06g30470	Os06g0500100	expressed protein
LOC_Os06g35420	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os06g37400	Os06g0570800	retrotransposon protein, putative, unclassified, expressed
LOC_Os06g39800	Os06g0599400	expressed protein

LOC_Os06g39830	None	expressed protein
LOC_Os06g39840	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os06g39850	None	expressed protein
LOC_Os06g39860	Os06g0600000	expressed protein
LOC_Os06g46540	Os06g0679100	cell division cycle protein 23, putative, expressed
LOC_Os07g02420	Os07g0115100	expressed protein
LOC_Os07g02430	Os07g0115200	expressed protein
LOC_Os07g02450	None	receptor-like protein kinase 2 precursor, putative, expressed
LOC_Os07g02460	Os07g0115500	expressed protein
LOC_Os07g05084	None	expressed protein
LOC_Os07g05120	Os07g0144600	expressed protein
LOC_Os07g05260	Os07g0146300	expressed protein
LOC_Os07g05380	Os07g0147700	ATPase BadF/BadG/BcrA/BcrD type, putative, expressed
LOC_Os07g05410	None	expressed protein
LOC_Os07g05470	Os07g0148800	AIR9 protein, putative, expressed
LOC_Os07g05480	Os07g0148900	photosystem I reaction center subunit, chloroplast precursor, putative, expressed
LOC_Os07g05500	Os07g0149200	expressed protein
LOC_Os07g05520	None	hypothetical protein
LOC_Os07g05530	None	expressed protein
LOC_Os07g05930	None	expressed protein
LOC_Os07g05950	Os07g0154300	expressed protein
LOC_Os07g05960	Os07g0154400	expressed protein
LOC_Os07g06820	Os07g0162300	serine/threonine-protein kinase RIO-like, putative, expressed
LOC_Os07g08360	Os07g0181200	expressed protein
LOC_Os07g08380	Os07g0181400	expressed protein
LOC_Os07g10680	Os07g0207600	polygalacturonase, putative, expressed
LOC_Os07g10720	Os07g0208000	40S ribosomal protein S15a, putative, expressed
LOC_Os07g12240	None	EF hand family protein, putative, expressed
LOC_Os07g13090	None	expressed protein
LOC_Os07g20660	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed

LOC_Os07g28470	Os07g0467900	coiled-coil domain-containing protein 111, putative, expressed
LOC_Os07g34990	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g36610	Os07g0551600	CSLF9 - cellulose synthase-like family F; beta1,3;1,4 glucan synthase, expressed
LOC_Os07g36630	Os07g0551700	CSLF8 - cellulose synthase-like family F; beta1,3;1,4 glucan synthase, expressed
LOC_Os07g38664	Os07g0574400	expressed protein
	Os07g0648266,	
LOC_Os07g45400	Os07g0648300	expressed protein
LOC_Os08g12650	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os08g14630	None	hypothetical protein
LOC_Os08g36390	Os08g0467100	ZOS8-07 - C2H2 zinc finger protein, expressed
LOC_Os08g36410	Os08g0467300	ANTH domain containing protein, expressed
LOC_Os08g36750	Os08g0471700	NFKB, putative, expressed
LOC_Os08g36760	Os08g0471800	remorin C-terminal domain containing protein, putative, expressed
LOC_Os08g37470	Os08g0480400	2-aminoethanethiol dioxygenase, putative, expressed
LOC_Os08g38690	Os08g0495300	retrotransposon protein, putative, SINE subclass, expressed
LOC_Os08g38780	Os08g0496500	core histone H2A/H2B/H3/H4, putative, expressed
LOC_Os08g39140	Os08g0500700	heat shock protein, putative, expressed
LOC_Os08g43370	Os08g0547100	6-phosphogluconolactonase, putative, expressed
LOC_Os09g19720	Os09g0361300	expressed protein
	Os09g0361400,	
LOC_Os09g19734	Os09g0361500	isochorismate synthase 1, chloroplast precursor, putative, expressed
LOC_Os09g19750	Os09g0361700	expressed protein
LOC_Os09g20170	Os09g0366800	expressed protein
	Os09g0367000,	
LOC_Os09g20180	Os09g0367350	expressed protein
LOC_Os09g22110	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os09g29470	Os09g0470900	AGAP005770-PA, putative, expressed
LOC_Os09g30280	Os09g0480400	glycosyl transferase 8 domain containing protein, putative, expressed
LOC_Os09g30290	Os09g0480532	expressed protein
LOC_Os09g30300	Os09g0480600	expressed protein

LOC_Os09g34150	Os09g0517100	NBS-LRR disease resistance protein, putative, expressed
LOC_Os09g35960	Os09g0528800	TBC domain containing protein, expressed
LOC_Os09g35980	Os09g0529300	expressed protein
LOC_Os09g36380	Os09g0534300	expressed protein
LOC_Os09g36440	Os09g0534800	transcription initiation factor IIB, putative, expressed
LOC_Os09g37990	None	expressed protein
LOC_Os09g38040	Os09g0553300	hydrolase, NUDIX family protein, expressed
LOC_Os09g38050	None	expressed protein
LOC_Os09g38060	Os09g0553600, Os09g0564000	nicotinate-nucleotide pyrophosphorylase, putative, expressed
LOC_Os09g39060	Os09g0565100	vignain precursor, putative, expressed
LOC_Os09g39170	Os09g0570800	cysteine proteinase COT44 precursor, putative, expressed
LOC_Os09g39720	Os09g0570850	1-aminocyclopropane-1-carboxylate oxidase, putative, expressed
LOC_Os09g39730	Os09g0570900	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed
LOC_Os09g39740	None	ACT domain containing protein, expressed
LOC_Os10g26780	None	expressed protein
LOC_Os10g27070	None	hypothetical protein
LOC_Os10g27460	Os10g0420600	expressed protein
LOC_Os10g28450	Os10g0421500	CAF1 family ribonuclease containing protein, expressed
LOC_Os10g28570	Os10g0421800	expressed protein
LOC_Os10g28600	None	PPR repeat domain containing protein, putative, expressed
LOC_Os10g29300	Os10g0550400	expressed protein
LOC_Os10g40280	Os11g0122800	expressed protein
LOC_Os11g02950	Os11g0123023	auxin efflux carrier component, putative, expressed
LOC_Os11g02964	Os11g0123066	FAR1 family protein, expressed
LOC_Os11g02990	Os11g0123100	conserved hypothetical protein
LOC_Os11g03050	Os11g0123400	cytidylyltransferase domain containing protein, expressed
LOC_Os11g03060	Os11g0123500	SNF7 domain containing protein, putative, expressed
LOC_Os11g04390	Os11g0139500	RNA recognition motif containing protein, expressed
LOC_Os11g06290	Os11g0161700	expressed protein

LOC_Os11g06310	Os11g0161900	integral membrane protein, putative, expressed
LOC_Os11g17340	Os11g0273500	expressed protein
LOC_Os11g17640	None	expressed protein
LOC_Os11g17650	None	expressed protein
LOC_Os11g17660	Os11g0277100	expressed protein
LOC_Os11g17940	Os11g0282600	expressed protein
LOC_Os11g25900	None	hAT dimerisation domain containing protein, putative
LOC_Os12g07740	Os12g0176800	eukaryotic translation initiation factor 2 subunit gamma, putative, expressed
LOC_Os12g09739	Os12g0199100	pollen signalling protein with adenylyl cyclase activity, putative, expressed
LOC_Os12g29605	None	expressed protein
LOC_Os12g32470	Os12g0509100	expressed protein
LOC_Os12g38110	Os12g0568800	importin subunit beta, putative, expressed
LOC_Os12g38120	Os12g0568900	thaumatin family domain containing protein, expressed
LOC_Os12g38140	Os12g0569200	expressed protein
LOC_Os12g39480	None	expressed protein
LOC_Os12g41550	Os12g0609100	expressed protein
LOC_Os12g42290	Os12g0617700	expressed protein
LOC_Os12g42840	Os12g0623400	expressed protein
LOC_Os12g42860	Os12g0623600	2-aminoethanethiol dioxygenase, putative, expressed
LOC_Os12g42876	Os12g0623900	5-methyltetrahydropteroylglutamate--homocysteine methyltransferase, putative, expressed
LOC_Os12g42900	Os12g0624100	lysine-rich arabinogalactan protein 19 precursor, putative, expressed

Genes in japonica-rufipogon_SV

LOC_Os01g01090	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01100	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g01530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g01540	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01550	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g01910	None	expressed protein

LOC_Os01g02240	None	transposon protein, putative, unclassified, expressed
LOC_Os01g02910	Os01g0118600	glycosyltransferase, putative, expressed
LOC_Os01g03200	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g03830	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g03860	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g04230	Os01g0133900	inactive receptor kinase At2g26730 precursor, putative, expressed
LOC_Os01g04850	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g05240	None	retrotransposon protein, putative, unclassified
LOC_Os01g05320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g05580	None	Exo70 exocyst complex subunit family, putative, expressed
LOC_Os01g06360	Os01g0156500, Os01g0156600	transposon protein, putative, unclassified, expressed
LOC_Os01g06430	Os01g0157500	expressed protein
LOC_Os01g06610	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g06620	Os01g0159500	expressed protein
LOC_Os01g06810	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g08440	Os01g0179600	UDP-glucoronosyl and UDP-glucosyl transferase domain containing protein, expressed
LOC_Os01g09060	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g09110	None	retrotransposon protein, putative, unclassified
LOC_Os01g10030	Os01g0196800	expressed protein
LOC_Os01g10195	Os01g0198702	expressed protein
LOC_Os01g10480	Os01g0201500	plastocyanin-like domain containing protein, putative, expressed
LOC_Os01g10490	Os01g0201600	keratin, type I cytoskeletal 9, putative, expressed
LOC_Os01g10504	Os01g0201700	OsMADS3 - MADS-box family gene with MIKCC type-box, expressed
LOC_Os01g10560	None	transposon protein, putative, unclassified
LOC_Os01g10770	Os01g0204900	expressed protein
LOC_Os01g11680	None	transposon protein, putative, unclassified, expressed
LOC_Os01g11720	Os01g0215800	transposable element protein, putative, containing Pfam profile: PF03004, Transposase_24, expressed
LOC_Os01g12040	None	transposon protein, putative, unclassified, expressed

LOC_Os01g12340	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g13300	Os01g0234100	B3 DNA binding domain containing protein, expressed
LOC_Os01g13620	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g13630	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g13810	Os01g0239800	expressed protein
LOC_Os01g14170	None	expressed protein
LOC_Os01g14200	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g14260	None	transposon protein, putative, Ac/Ds sub-class
LOC_Os01g14270	Os01g0244900, Os01g0244966	OsFBX4 - F-box domain containing protein, expressed
LOC_Os01g15070	None	retrotransposon protein, putative, unclassified
LOC_Os01g15240	None	expressed protein
LOC_Os01g15510	None	expressed protein
LOC_Os01g15830	Os01g0263300	peroxidase precursor, putative, expressed
LOC_Os01g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os01g16300	None	hypothetical protein
LOC_Os01g17130	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g18020	None	retrotransposon protein, putative, unclassified
LOC_Os01g18230	None	FAD-linked oxidoreductase protein, putative, expressed
LOC_Os01g18250	None	subtilase, putative, expressed
LOC_Os01g19010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g19100	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g19110	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g19894	Os01g0304500	transposon protein, putative, unclassified, expressed
LOC_Os01g21120	Os01g0313300	AP2 domain containing protein, expressed
LOC_Os01g21550	None	expressed protein
LOC_Os01g22309	None	hypothetical protein
LOC_Os01g23180	None	retrotransposon protein, putative, unclassified
LOC_Os01g23239	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g24160	None	hypothetical protein

LOC_Os01g25100	Os01g0353400	glutathione S-transferase, putative, expressed
LOC_Os01g25600	Os01g0358300	tetratricopeptide repeat domain containing protein, expressed
LOC_Os01g27070	Os01g0368500	expressed protein
LOC_Os01g27230	Os01g0369900	12-oxophytodienoate reductase, putative, expressed
LOC_Os01g27260	Os01g0370200	glutathione S-transferase, putative, expressed
LOC_Os01g27270	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g27320	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g27449	Os01g0372100	expressed protein
LOC_Os01g27880	Os01g0376700	sucrose-phosphatase, putative, expressed
LOC_Os01g27890	Os01g0377000	cytochrome P450, putative, expressed
LOC_Os01g28134	Os01g0379101	expressed protein
LOC_Os01g28200	Os01g0379800	transposon protein, putative, unclassified, expressed
LOC_Os01g28270	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g28300	Os01g0380800	OsFBX7 - F-box domain containing protein, expressed
LOC_Os01g28320	None	retrotransposon, putative, centromere-specific
LOC_Os01g28570	Os01g0382800	pentatricopeptide, putative, expressed
LOC_Os01g28580	Os01g0382900	expressed protein
LOC_Os01g28590	None	expressed protein
LOC_Os01g28600	Os01g0383100	exo70 exocyst complex subunit family protein, putative, expressed
LOC_Os01g28940	None	hypothetical protein
LOC_Os01g28970	Os01g0386500	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g28980	Os01g0386600	proton-dependent oligopeptide transport, putative, expressed
LOC_Os01g29040	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29570	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g29610	Os01g0391500	expressed protein
LOC_Os01g31820	None	expressed protein
LOC_Os01g32530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g32550	None	hypothetical protein
LOC_Os01g33160	Os01g0516200	stress responsive A/B Barrel domain containing protein, expressed
LOC_Os01g34060	Os01g0524500	MYB family transcription factor, putative, expressed

LOC_Os01g34510	None	hypothetical protein
LOC_Os01g34560	Os01g0529800	3-ketoacyl-CoA synthase, putative, expressed
LOC_Os01g34620	Os01g0530400	OsGrx_S15
LOC_Os01g35160	Os01g0535400	TKL_IRAK_DUF26-lh
LOC_Os01g35170	Os01g0535900	tRNA methyltransferase, putative, expressed
LOC_Os01g35184	Os01g0536000	CAMK_KIN1/SNF1/Nim1_like
LOC_Os01g36390	Os01g0544450	MCM4 - Putative minichromosome maintenance MCM complex subunit 4, expressed
LOC_Os01g36860	Os01g0549400	DEAD-box ATP-dependent RNA helicase 40, putative, expressed
LOC_Os01g37050	Os01g0551100	ribonuclease III domain protein, putative, expressed
LOC_Os01g37160	None	retrotransposon protein, putative, unclassified
LOC_Os01g37170	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g37325	Os01g0553901	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g38400	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g39136	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g39340	Os01g0575300	expressed protein
LOC_Os01g39350	Os01g0575400	protein kinase domain containing protein, expressed
LOC_Os01g40260	Os01g0584900	WRKY77, expressed
LOC_Os01g40499	Os01g0587400	S-locus lectin protein kinase family protein, putative, expressed
LOC_Os01g41030	Os01g0593500	ribosomal protein L25, putative, expressed
LOC_Os01g41430	Os01g0597800	UDP-glucuronosyl and UDP-glucosyl transferase, putative, expressed
LOC_Os01g41440	None	retrotransposon protein, putative, unclassified
LOC_Os01g43280	Os01g0620800	hydroquinone glucosyltransferase, putative, expressed
LOC_Os01g43790	None	transposon protein, putative, unclassified
LOC_Os01g43980	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g45000	None	expressed protein
LOC_Os01g46169	Os01g0650200	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os01g46530	None	expressed protein
LOC_Os01g47300	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g50220	Os01g0697250	retrotransposon protein, putative, LINE subclass, expressed
LOC_Os01g53440	None	expressed protein

LOC_Os01g54060	None	expressed protein
LOC_Os01g54140	Os01g0744700	expressed protein
LOC_Os01g54980	Os01g0753400	expressed protein
	Os01g0766800,	
LOC_Os01g56120	Os01g0766850	RNA recognition motif containing protein, putative, expressed
LOC_Os01g56850	Os01g0776300	expressed protein
LOC_Os01g57110	Os01g0779400	SNF2 family N-terminal domain containing protein, expressed
LOC_Os01g57140	None	hypothetical protein
LOC_Os01g57599	Os01g0785300	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g58830	Os01g0802400	transposon protein, putative, unclassified, expressed
LOC_Os01g59230	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g59360	Os01g0808400	CAMK_CAMK_like
LOC_Os01g59420	Os01g0809000	expressed protein
LOC_Os01g60080	Os01g0816700	monocopper oxidase, putative, expressed
LOC_Os01g61920	Os01g0835900	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed
LOC_Os01g62700	None	expressed protein
LOC_Os01g62710	None	transposon protein, putative, unclassified
LOC_Os01g62740	Os01g0845950	expressed protein
LOC_Os01g63170	None	transposon protein, putative, unclassified, expressed
LOC_Os01g63610	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g63970	Os01g0858900	sialyltransferase family domain containing protein, expressed
LOC_Os01g64140	None	endoglucanase 22 precursor, putative, expressed
LOC_Os01g64320	None	expressed protein
LOC_Os01g64340	Os01g0863133	expressed protein
LOC_Os01g64370	Os01g0863400	expressed protein
LOC_Os01g64380	None	expressed protein
LOC_Os01g66890	Os01g0893400	BTBZ1 - Bric-a-Brac, Tramtrack, and Broad Complex BTB domain with TAZ zinc finger and Calmodulin-binding domains, expressed
LOC_Os01g66900	Os01g0893700	expressed protein
LOC_Os01g66910	None	expressed protein

LOC_Os01g66920	Os01g0894000	Ser/Thr protein phosphatase family protein, putative, expressed
LOC_Os01g66930	Os01g0894100	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g68340	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g68990	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os01g71870	None	transposon protein, putative, unclassified, expressed
LOC_Os01g72200	Os01g0950800	expressed protein
LOC_Os01g73332	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os02g01620	None	transposon protein, putative, unclassified, expressed
LOC_Os02g03130	None	expressed protein
LOC_Os02g03140	Os02g0123900	inhibitor I family protein, putative, expressed
LOC_Os02g04400	None	expressed protein
LOC_Os02g09270	Os02g0185500	cytochrome P450 71A1, putative, expressed
LOC_Os02g12140	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g14600	Os02g0242600	glutelin, putative, expressed
LOC_Os02g14610	None	expressed protein
LOC_Os02g15360	Os02g0252600	expressed protein
LOC_Os02g16030	Os02g0261000	harpin-induced protein 1 domain containing protein, expressed
LOC_Os02g16040	Os02g0261100	ubiquitin-conjugating enzyme, putative, expressed
LOC_Os02g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os02g16060	None	RGA-1, putative, expressed
LOC_Os02g16320	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g16450	Os02g0264300	expressed protein
LOC_Os02g16470	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os02g16500	Os02g0264800	expressed protein
LOC_Os02g18064	None	expressed protein
LOC_Os02g18400	None	hypothetical protein
LOC_Os02g18410	Os02g0285300	salt stress root protein RS1, putative, expressed
LOC_Os02g18420	None	expressed protein
LOC_Os02g18515	Os02g0286891	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g18954	Os02g0291600	GDSL-like lipase/acylhydrolase, putative, expressed

LOC_Os02g19010	None	hypothetical protein
LOC_Os02g20040	Os02g0303500	loricrin, putative, expressed
LOC_Os02g20210	Os02g0305300	disease resistance protein RGA1, putative, expressed
LOC_Os02g21320	None	expressed protein
LOC_Os02g21550	Os02g0320800	flavonol synthase/flavanone 3-hydroxylase, putative, expressed
LOC_Os02g22200	None	expressed protein
LOC_Os02g22770	None	expressed protein
LOC_Os02g22780	Os02g0332200	T-complex protein, putative, expressed
LOC_Os02g24205	Os02g0438601	expressed protein
LOC_Os02g24420	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g25310	Os02g0450800	zinc knuckle family protein, expressed
LOC_Os02g27220	Os02g0471500	protein phosphatase 2C, putative, expressed
LOC_Os02g27340	Os02g0472900	riboflavin biosynthesis protein ribD, putative, expressed
LOC_Os02g29450	Os02g0497400	expressed protein
LOC_Os02g29464	Os02g0497500	RecF/RecN/SMC N terminal domain containing protein, expressed
LOC_Os02g30760	None	expressed protein
LOC_Os02g33800	Os02g0542800	expressed protein
LOC_Os02g35250	None	conserved hypothetical protein
LOC_Os02g37230	Os02g0583500	expressed protein
LOC_Os02g38090	Os02g0594300	AP2 domain containing protein, expressed
LOC_Os02g38100	None	hypothetical protein
LOC_Os02g43460	Os02g0650800	required to maintain repression 1, putative, expressed
LOC_Os02g43590	Os02g0652300	ELMO/CED-12 family protein, putative, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g44420	None	conserved hypothetical protein
LOC_Os02g45280	Os02g0675400	cytochrome P450, putative, expressed
LOC_Os02g45300	None	hypothetical protein
LOC_Os02g45370	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g47470	Os02g0703600	cytochrome P450, putative, expressed
LOC_Os02g47680	None	retrotransposon protein, putative, Ty3-gypsy subclass

LOC_Os02g48260	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g48270	None	DUF260 domain containing protein, putative
LOC_Os02g48280	Os02g0713250	expressed protein
LOC_Os02g48290	Os02g0713400	thioredoxin reductase 2, putative, expressed
LOC_Os02g48300	Os02g0713500	OsFBX60 - F-box domain containing protein, expressed
LOC_Os02g49310	Os02g0725000	AGC_PVPK_like_kin82y
LOC_Os02g49320	Os02g0725100	sucrase-related, putative, expressed
LOC_Os02g50110	Os02g0733900	expressed protein
LOC_Os02g50120	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os02g51270	Os02g0747300	expressed protein
LOC_Os02g51970	Os02g0756200	phosphate-induced protein 1 conserved region domain containing protein, expressed
LOC_Os02g51990	None	expressed protein
LOC_Os02g52000	Os02g0756600	phosphate-induced protein 1 conserved region domain containing protein, expressed
LOC_Os02g52650	Os02g0764500	chlorophyll A-B binding protein, putative, expressed
LOC_Os02g53380	Os02g0773732	expressed protein
LOC_Os02g53390	Os02g0773950	expressed protein
LOC_Os02g53400	Os02g0774100	thioredoxin, putative, expressed
LOC_Os02g53410	Os02g0774200	expressed protein
LOC_Os02g53420	Os02g0774300	DnaK family protein, putative, expressed
LOC_Os02g54120	Os02g0782200	CCR4-NOT transcription factor, putative, expressed
	Os03g0102300, Os03g0102333, Os03g0102366	CCR4-Not complex component, Not1domain containing protein, expressed
LOC_Os03g01240	Os03g0116300, Os03g0116316	hydrolase, alpha/beta fold family protein, putative, expressed
LOC_Os03g02514	Os03g0116400	OsRhmbd7 - Putative Rhomboid homologue, expressed
LOC_Os03g02530	Os03g0134300	ATP phosphoribosyltransferase, putative, expressed
LOC_Os03g04169	Os03g0139600	cytochrome P450 protein, putative, expressed
LOC_Os03g04630	Os03g0141100	expressed protein
LOC_Os03g04760	Os03g0141800	expressed protein

LOC_Os03g05370	Os03g0147200	expressed protein
LOC_Os03g05560	Os03g0149700	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os03g06120	Os03g0157300	PLAC8 family protein, expressed
LOC_Os03g06139	Os03g0157400	ABC-2 type transporter domain containing protein, expressed
LOC_Os03g09120	Os03g0191200	expressed protein
LOC_Os03g09130	None	expressed protein
LOC_Os03g09140	Os03g0191400	ras-related protein, putative, expressed
LOC_Os03g09150	Os03g0191700	pumilio-family RNA binding repeat domain containing protein, expressed
LOC_Os03g11840	Os03g0217900	expressed protein
LOC_Os03g12510	Os03g0226200	non-symbiotic hemoglobin 2, putative, expressed
LOC_Os03g12520	Os03g0226300	STRUBBELIG-RECEPTOR FAMILY 7 precursor, putative, expressed
LOC_Os03g12660	Os03g0227700	cytochrome P450, putative, expressed
LOC_Os03g13920	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os03g16260	Os03g0269300	protein kinase, putative, expressed
LOC_Os03g20060	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g21914	Os03g0337700	ATP binding protein, putative, expressed
LOC_Os03g28180	None	expressed protein
LOC_Os03g36070	None	retrotransposon protein, putative, unclassified
LOC_Os03g36220	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g37430	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g38520	Os03g0581800	expressed protein
LOC_Os03g38534	None	expressed protein
LOC_Os03g38540	Os03g0582000	folic acid binding protein, putative, expressed
LOC_Os03g44380	Os03g0645900	9-cis-epoxycarotenoid dioxygenase 1, chloroplast precursor, putative, expressed
LOC_Os03g50590	Os03g0714100	expressed protein
LOC_Os03g50600	Os03g0714200	expressed protein
LOC_Os03g52794	Os03g0738000	phosphatidylinositol kinase, putative, expressed
LOC_Os03g54930	Os03g0756500	VIP4, putative, expressed
LOC_Os03g54970	Os03g0756700	expressed protein
LOC_Os03g57460	Os03g0788600	fasciclin domain containing protein, expressed

LOC_Os03g57569	Os03g0789600	expressed protein
LOC_Os03g60030	Os03g0814800	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os03g61410	Os03g0829600	expressed protein
LOC_Os03g61419	None	expressed protein
LOC_Os04g02530	Os04g0115700	expressed protein
LOC_Os04g09330	None	expressed protein
LOC_Os04g12250	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os04g15760	None	DEFL51 - Defensin and Defensin-like DEFL family, expressed
LOC_Os04g20424	Os04g0272500	neural Wiskott-Aldrich syndrome protein, putative, expressed
LOC_Os04g20430	None	expressed protein
LOC_Os04g21880	Os04g0286800	expressed protein
LOC_Os04g21890	None	disease resistance protein RPM1, putative, expressed
LOC_Os04g21900	None	expressed protein
LOC_Os04g22210	Os04g0289500	SCP-like extracellular protein, expressed
LOC_Os04g22220	Os04g0289600	SCP-like extracellular protein, expressed
LOC_Os04g22230	Os04g0289700	SCP-like extracellular protein, expressed
LOC_Os04g22440	None	expressed protein
LOC_Os04g23190	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g23890	Os04g0304200	AGC_PVPK_like_kin82y
LOC_Os04g25790	None	expressed protein
LOC_Os04g27010	None	hypothetical protein
LOC_Os04g27190	Os04g0340300	terpene synthase, putative, expressed
LOC_Os04g28074	Os04g0348200	expressed protein
LOC_Os04g28500	None	expressed protein
LOC_Os04g28760	None	expressed protein
LOC_Os04g30920	None	expressed protein
LOC_Os04g41080	Os04g0487800	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os04g42110	Os04g0498800	cell division control protein 48 homolog B, putative, expressed
LOC_Os04g42120	Os04g0498900	N-acetyltransferase ESCO2, putative, expressed
LOC_Os04g42130	Os04g0499100	integral membrane transporter family protein, putative, expressed

LOC_Os04g42134	Os04g0499200	enhancer of rudimentary protein, putative, expressed
LOC_Os04g42210	Os04g0500300	GPI-anchored protein, putative, expressed
LOC_Os04g42470	Os04g0503500	regulatory subunit, putative, expressed
LOC_Os04g42480	Os04g0503600	receptor-like protein kinase At3g46290 precursor, putative, expressed
LOC_Os04g42770	Os04g0506900	expressed protein
LOC_Os04g43840	Os04g0518800	possible lysine decarboxylase domain containing protein, expressed
LOC_Os04g44460	Os04g0526300	sulfotransferase domain containing protein, expressed
LOC_Os04g44470	Os04g0526600	KUN1 - Kunitz-type trypsin inhibitor precursor, expressed
LOC_Os04g45560	None	hypothetical protein
LOC_Os04g45570	Os04g0538700	expressed protein
LOC_Os04g48160	Os04g0569900	IQ calmodulin-binding motif family protein, putative, expressed
LOC_Os04g52640	Os04g0616700	SHR5-receptor-like kinase, putative, expressed
LOC_Os04g55350	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os04g59160	Os04g0688200	peroxidase precursor, putative, expressed
LOC_Os05g11820	Os05g0208600	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g16000	Os05g0248600	expressed protein
LOC_Os05g21240	None	expressed protein
LOC_Os05g22960	Os05g0295700	expressed protein
LOC_Os05g22970	Os05g0295800	glyoxalase family protein, putative, expressed
LOC_Os05g25940	None	expressed protein
LOC_Os05g28490	Os05g0353100	FAD-binding domain-containing protein, putative, expressed
LOC_Os05g31520	None	expressed protein
LOC_Os05g34330	Os05g0415900	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g36370	Os05g0439500	expressed protein
LOC_Os05g36380	Os05g0439750	expressed protein
LOC_Os05g39730	Os05g0474900	SAG20, putative, expressed
LOC_Os05g40720	Os05g0485500	glycosyl transferase, family 8, putative, expressed
LOC_Os05g41310	Os05g0492600	disease resistance protein RGA2, putative, expressed
LOC_Os05g41370	Os05g0493100	TKL_IRAK_DUF26-la
LOC_Os05g43360	Os05g0509200	NADH dehydrogenase flavoprotein 2, mitochondrial precursor, putative, expressed

LOC_Os05g44420	Os05g0520600	expressed protein
LOC_Os05g44430	Os05g0520801	hypothetical protein
LOC_Os05g45240	Os05g0528600	flavin monooxygenase, putative, expressed
LOC_Os05g45260	None	expressed protein
LOC_Os05g47880	Os05g0552200	hypro1, putative, expressed
LOC_Os06g05750	Os06g0150600	transferase family domain containing protein, expressed
LOC_Os06g05800	Os06g0151200	RNA recognition motif containing protein, putative, expressed
LOC_Os06g05804	Os06g0151300	trafficking protein particle complex subunit 4, putative, expressed
LOC_Os06g11970	Os06g0223300	OsMADS63 - MADS-box family gene with MIKC* type-box, expressed
LOC_Os06g13410	Os06g0242100	OsSCP33 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os06g30470	Os06g0500100	expressed protein
LOC_Os06g39800	Os06g0599400	expressed protein
LOC_Os06g49420	Os06g0707800	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g01600	Os07g0106700	dirigent, putative, expressed
LOC_Os07g05740	Os07g0152200	receptor-like protein kinase 2 precursor, putative, expressed
LOC_Os07g05760	None	expressed protein
LOC_Os07g15610	None	hypothetical protein
LOC_Os07g16280	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os07g20640	None	hypothetical protein
LOC_Os07g26060	None	expressed protein
LOC_Os07g34990	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g37890	Os07g0566200	protein phosphatase 2C, putative, expressed
LOC_Os07g38664	Os07g0574400	expressed protein
LOC_Os08g12650	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os08g32530	Os08g0421000	expressed protein
LOC_Os08g35560	Os08g0457000	expressed protein
LOC_Os08g36240	Os08g0465200	expressed protein
LOC_Os08g36850	None	hypothetical protein
LOC_Os08g38170	Os08g0489300	methyladenine glycosylase, putative, expressed
LOC_Os09g07930	None	retrotransposon protein, putative, unclassified, expressed

LOC_Os09g09820	Os09g0271000	retrotransposon protein, putative, unclassified, expressed
LOC_Os09g21490	None	expressed protein
LOC_Os09g26330	Os09g0433500	hypro1, putative, expressed
LOC_Os09g26670	Os09g0438100	expressed protein
LOC_Os10g27070	None	hypothetical protein
LOC_Os11g03240	Os11g0126100	MATE efflux family protein, putative, expressed
LOC_Os11g04130	None	nodulin MtN21 family protein, putative, expressed
LOC_Os11g04630	None	expressed protein
LOC_Os11g22449	Os11g0417800	expressed protein
LOC_Os11g24360	None	expressed protein
LOC_Os11g24374	Os11g0431700	OsSCP55 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os12g29605	None	expressed protein
LOC_Os12g39690	None	hypothetical protein
LOC_Os12g41050	None	hypothetical protein
LOC_Os12g42670	Os12g0621600	expressed protein
LOC_Os12g42700	Os12g0621700	expressed protein

Shared genes in indica-japonica comparision

LOC_Os01g01910	None	expressed protein
LOC_Os01g02240	None	transposon protein, putative, unclassified, expressed
LOC_Os01g02910	Os01g0118600	glycosyltransferase, putative, expressed
LOC_Os01g05580	None	Exo70 exocyst complex subunit family, putative, expressed
	Os01g0156500,	transposon protein, putative, unclassified, expressed
LOC_Os01g06360	Os01g0156600	
LOC_Os01g10770	Os01g0204900	expressed protein
LOC_Os02g16030	Os02g0261000	harpin-induced protein 1 domain containing protein, expressed
LOC_Os02g16040	Os02g0261100	ubiquitin-conjugating enzyme, putative, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g43960	Os02g0656900	expressed protein
LOC_Os02g45370	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed

LOC_Os02g46370	None	expressed protein
LOC_Os02g47470	Os02g0703600	cytochrome P450, putative, expressed
LOC_Os03g04840	Os03g0141800	expressed protein
LOC_Os03g05560	Os03g0149700	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os04g42210	Os04g0500300	GPI-anchored protein, putative, expressed
LOC_Os08g12650	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os08g36240	Os08g0465200	expressed protein
LOC_Os08g36850	None	hypothetical protein
LOC_Os10g27070	None	hypothetical protein

Genes in indica-japonica_SNP

LOC_Os01g01360	Os01g0103100	peptide transporter PTR2, putative, expressed
LOC_Os01g01470	Os01g0104500	no apical meristem protein, putative, expressed
LOC_Os01g01530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g01910	None	expressed protein
LOC_Os01g02240	None	transposon protein, putative, unclassified, expressed
LOC_Os01g02290	Os01g0113200	Ser/Thr receptor-like kinase, putative, expressed
LOC_Os01g02910	Os01g0118600	glycosyltransferase, putative, expressed
LOC_Os01g03860	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g05320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g05580	None	Exo70 exocyst complex subunit family, putative, expressed
LOC_Os01g06300	None	transposon protein, putative, unclassified, expressed
LOC_Os01g06360	Os01g0156500, Os01g0156600	transposon protein, putative, unclassified, expressed
LOC_Os01g08890	None	expressed protein
LOC_Os01g08930	Os01g0184500	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os01g08940	Os01g0184600	expressed protein
LOC_Os01g08950	Os01g0184700	expressed protein
LOC_Os01g08970	Os01g0184900	SSRP1-like FACT complex subunit, putative, expressed
LOC_Os01g09110	None	retrotransposon protein, putative, unclassified

LOC_Os01g09220	Os01g0186900	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g10030	Os01g0196800	expressed protein
LOC_Os01g10090	Os01g0197450	pentatricopeptide, putative, expressed
LOC_Os01g10770	Os01g0204900	expressed protein
LOC_Os01g11200	Os01g0210200	transforming protein myb, putative, expressed
LOC_Os01g11670	Os01g0215100	OsSCP2 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os01g11910	Os01g0218100	basic helix-loop-helix, putative, expressed
LOC_Os01g12170	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g12680	Os01g0226600	C4-dicarboxylate transporter/malic acid transport protein, expressed
LOC_Os01g13300	Os01g0234100	B3 DNA binding domain containing protein, expressed
LOC_Os01g13690	Os01g0238500	ligA, putative, expressed
LOC_Os01g13720	Os01g0238800	expressed protein
LOC_Os01g13730	Os01g0238900	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os01g13840	None	PE-PGRS family protein, putative, expressed
LOC_Os01g14514	Os01g0247600	expressed protein
LOC_Os01g14650	Os01g0248900	expansin precursor, putative, expressed
LOC_Os01g14670	Os01g0249200	Cupin domain containing protein, expressed
LOC_Os01g15910	Os01g0264100	UTP--glucose-1-phosphate uridylyltransferase, putative, expressed
LOC_Os01g16030	Os01g0265100	ADP-ribosylation factor, putative, expressed
LOC_Os01g16370	Os01g0269500	NBS-LRR type disease resistance protein, putative, expressed
LOC_Os01g18250	None	subtilase, putative, expressed
LOC_Os01g19010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g19310	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g19670	None	expressed protein
LOC_Os01g20850	Os01g0310032	expressed protein
LOC_Os01g21760	None	retrotransposon protein, putative, unclassified
LOC_Os01g22080	Os01g0324300	expressed protein
LOC_Os01g22490	Os01g0328400	40S ribosomal protein S27a, putative, expressed
LOC_Os01g23940	None	expressed protein
LOC_Os01g24800	None	retrotransposon protein, putative, unclassified, expressed

LOC_Os01g25510	Os01g0357400	alpha-amylase isozyme C, putative, expressed
LOC_Os01g28270	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g28970	Os01g0386500	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g32530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g32550	None	hypothetical protein
LOC_Os01g33030	Os01g0513800	Brix domain containing protein, putative, expressed
LOC_Os01g34440	None	expressed protein
LOC_Os01g34620	Os01g0530400	OsGrx_S15
LOC_Os01g35870	None	hypothetical protein
LOC_Os01g37837	Os01g0559100	seryl-tRNA synthetase, putative, expressed
LOC_Os01g38110	Os01g0561600	cytochrome P450, putative, expressed
LOC_Os01g38650	Os01g0567200	expressed protein
	Os01g0567700,	nucleic acid binding protein, putative, expressed
LOC_Os01g38690	Os01g0568100	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g39136	None	expressed protein
LOC_Os01g39590	None	1-aminocyclopropane-1-carboxylate oxidase protein, putative, expressed
LOC_Os01g39860	Os01g0580500	transposon protein, putative, unclassified
LOC_Os01g40910	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g41145	Os01g0594600	nodulin MtN3 family protein, putative, expressed
LOC_Os01g42110	Os01g0606000	ammonium transporter 2, putative, expressed
LOC_Os01g42740	None	expressed protein
LOC_Os01g42890	None	auxin efflux carrier component, putative, expressed
LOC_Os01g45550	Os01g0643300	inorganic phosphate transporter, putative, expressed
LOC_Os01g46860	Os01g0657100	AP2 domain containing protein, expressed
LOC_Os01g46870	Os01g0657400	expressed protein
LOC_Os01g48120	None	expressed protein
LOC_Os01g48650	None	expressed protein
LOC_Os01g49550	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g52000	None	OsSub3 - Putative Subtilisin homologue, expressed
LOC_Os01g52750	Os01g0727800,	

LOC_Os01g52920	Os01g0727840	
LOC_Os01g53750	Os01g0729900	expressed protein
LOC_Os01g53880	Os01g0739700	glucan endo-1,3-beta-glucosidase precursor, putative, expressed
LOC_Os01g53890	Os01g0741900	OsIAA6 - Auxin-responsive Aux/IAA gene family member, expressed
LOC_Os01g53900	Os01g0742000	RNA methyltransferase, TrmH family protein, putative, expressed
LOC_Os01g53900	Os01g0742200	elongation factor, putative, expressed
LOC_Os01g55200	Os01g0756700	potassium channel KAT1, putative, expressed
LOC_Os01g56420	Os01g0770700	ctr copper transporter family protein, putative, expressed
LOC_Os01g57956	None	chloroplast 50S ribosomal protein L14, putative, expressed
LOC_Os01g58300	None	expressed protein
LOC_Os01g58850	Os01g0802600	circadian clock coupling factor-related, putative, expressed
LOC_Os01g58870	Os01g0802850	domain of unknown function, DUF250 domain containing protein, expressed
LOC_Os01g59360	Os01g0808400	CAMK_CAMK_like
LOC_Os01g59760	Os01g0813100	bZIP transcription factor, putative, expressed
LOC_Os01g60770	Os01g0823100	expansin precursor, putative, expressed
LOC_Os01g61480	Os01g0831000	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os01g61540	Os01g0831800	expressed protein
LOC_Os01g61630	Os01g0833000	expressed protein
LOC_Os01g62310	Os01g0840300	homeobox domain containing protein, expressed
LOC_Os01g63170	None	transposon protein, putative, unclassified, expressed
LOC_Os01g64090	Os01g0860300	L1P family of ribosomal proteins domain containing protein, expressed
LOC_Os01g64640	Os01g0866200	histone H3, putative, expressed
LOC_Os01g65410	Os01g0874900	serine hydroxymethyltransferase, mitochondrial precursor, putative, expressed
LOC_Os01g65440	Os01g0875300	universal stress protein domain containing protein, putative, expressed
LOC_Os01g65640	Os01g0878200	expressed protein
LOC_Os01g65670	Os01g0878700	amino acid transporter, putative, expressed
LOC_Os01g65986	Os01g0882300	DUF803 domain containing, putative, expressed
LOC_Os01g66020	Os01g0883000	protein kinase family protein, putative, expressed
LOC_Os01g66810	None	expressed protein
LOC_Os01g67100	Os01g0896300	expressed protein

LOC_Os01g67620	None	expressed protein
LOC_Os01g68070	Os01g0908800	PPR repeat containing protein, expressed
LOC_Os01g71240	Os01g0939100	calcium-transporting ATPase, plasma membrane-type, putative, expressed
LOC_Os02g02890	Os02g0121300	peptidyl-prolyl cis-trans isomerase, putative, expressed
LOC_Os02g06910	Os02g0164900	auxin response factor 6, putative, expressed
LOC_Os02g06940	None	expressed protein
LOC_Os02g07130	None	expressed protein
LOC_Os02g09390	Os02g0186800	cytochrome P450, putative, expressed
LOC_Os02g09610	Os02g0189200	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os02g09620	Os02g0189300	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os02g10240	Os02g0196100	ZOS2-05 - C2H2 zinc finger protein, expressed
LOC_Os02g11110	Os02g0206100	flavonol-3-O-glycoside-7-O-glucosyltransferase 1, putative, expressed
LOC_Os02g11665	Os02g0206833	transposon protein, putative, unclassified, expressed
LOC_Os02g14140	None	cytokinin inducible protein, putative, expressed
LOC_Os02g16030	Os02g0261000	harpin-induced protein 1 domain containing protein, expressed
LOC_Os02g16040	Os02g0261100	ubiquitin-conjugating enzyme, putative, expressed
LOC_Os02g19770	Os02g0300700	eukaryotic translation initiation factor 1A, putative, expressed
LOC_Os02g19780	None	expressed protein
LOC_Os02g19790	Os02g0300900	lipoxygenase 4, putative, expressed
LOC_Os02g19804	Os02g0301000	Zinc finger C-x8-C-x5-C-x3-H type domain containing protein, expressed
LOC_Os02g19820	Os02g0301100	nodulin MtN3 family protein, putative, expressed
LOC_Os02g20270	Os02g0305600	expressed protein
LOC_Os02g20960	None	hypothetical protein
LOC_Os02g20970	Os02g0313700	C2 domain containing protein, putative, expressed
LOC_Os02g21030	None	expressed protein
LOC_Os02g21040	Os02g0314600	aspartic proteinase nepenthesin precursor, putative, expressed
LOC_Os02g21080	Os02g0315400	AGAP008475-PA, putative, expressed
LOC_Os02g21090	Os02g0315600	CPuORF33 - conserved peptide uORF-containing transcript, expressed
LOC_Os02g21220	Os02g0317100	expressed protein
LOC_Os02g21240	Os02g0317300	OsFBX48 - F-box domain containing protein, expressed

LOC_Os02g21250	Os02g0317400	clathrin adaptor complex small chain domain containing protein, expressed
LOC_Os02g21430	Os02g0319100	AML1, putative, expressed
LOC_Os02g21520	Os02g0320300	chalcone isomerase 3, putative, expressed
LOC_Os02g21530	Os02g0320600	expressed protein
LOC_Os02g21540	Os02g0320700	expressed protein
LOC_Os02g21550	Os02g0320800	flavonol synthase/flavanone 3-hydroxylase, putative, expressed
LOC_Os02g21570	Os02g0321000	expressed protein
LOC_Os02g21580	None	PPR repeat containing protein, expressed
LOC_Os02g21680	None	expressed protein
LOC_Os02g21685	Os02g0329300	expressed protein
LOC_Os02g22370	Os02g0329600	expressed protein
LOC_Os02g22374	Os02g0445100	expressed protein
LOC_Os02g24700	None	OsSAUR8 - Auxin-responsive SAUR gene family member, expressed
LOC_Os02g24710	Os02g0445200	expressed protein
LOC_Os02g24720	Os02g0445300	LTPL21 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os02g24730	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g25830	Os02g0455900	expressed protein
LOC_Os02g25840	Os02g0456000	conserved oligomeric Golgi complex component 4, related, putative, expressed
LOC_Os02g25860	Os02g0456100	glutelin, putative, expressed
LOC_Os02g25900	Os02g0456800	pollen signalling protein with adenylyl cyclase activity, putative, expressed
LOC_Os02g26310	Os02g0461300	expressed protein
LOC_Os02g26320	Os02g0461500	fasciclin-like arabinogalactan precursor protein, putative, expressed
LOC_Os02g26330	Os02g0461700	expressed protein
LOC_Os02g26349	Os02g0461600	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os02g26370	Os02g0461900	wiskott-Aldrich syndrome protein family member 2, putative, expressed
LOC_Os02g26700	Os02g0465900	cation transport regulator-like protein 1, putative, expressed
LOC_Os02g26710	None	cyclo-DOPA 5-O-glucosyltransferase, putative
LOC_Os02g26940	Os02g0468800	vegetative storage protein, putative, expressed
LOC_Os02g26950	Os02g0468900	expressed protein
LOC_Os02g26960	Os02g0469000	expressed protein

LOC_Os02g26970	None	hypothetical protein
LOC_Os02g26984	Os02g0469200	expressed protein
LOC_Os02g27060	Os02g0469900	high mobility group, putative, expressed
LOC_Os02g27070	Os02g0470000	PPR repeat domain containing protein, putative, expressed
	Os02g0470400,	
LOC_Os02g27110	Os02g0470600	expressed protein
LOC_Os02g29890	Os02g0502500	expressed protein
LOC_Os02g29900	Os02g0502600	expressed protein
LOC_Os02g31210	Os02g0517150	expressed protein
LOC_Os02g34290	None	expressed protein
LOC_Os02g35770	Os02g0565600	homeobox associated leucine zipper, putative, expressed
LOC_Os02g35880	Os02g0566900	salt tolerant protein, putative, expressed
LOC_Os02g38120	Os02g0594700	BTBN3 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 NPH3 domain, expressed
LOC_Os02g38392	Os02g0597300	NBS-LRR disease resistance protein, putative, expressed
LOC_Os02g38490	Os02g0598400	expressed protein
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g43960	Os02g0656900	expressed protein
LOC_Os02g45090	Os02g0672400	expressed protein
LOC_Os02g45100	Os02g0672500	mitochondrial import inner membrane translocase subunit Tim17, putative, expressed
LOC_Os02g45110	Os02g0672600	MT-A70 domain containing protein, expressed
LOC_Os02g45120	Os02g0672700	expressed protein
LOC_Os02g45130	Os02g0672800	protein kinase, putative, expressed
LOC_Os02g45370	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g45380	Os02g0676400	MATE domain containing protein, expressed
LOC_Os02g45410	None	expressed protein
LOC_Os02g45420	Os02g0676800	AP2 domain containing protein, expressed
LOC_Os02g45470	None	hypothetical protein
LOC_Os02g45480	Os02g0677700	nucleic acid binding protein, putative, expressed
LOC_Os02g45490	Os02g0677800	expressed protein

LOC_Os02g45520	Os02g0678200	uncharacterized membrane protein, putative, expressed
LOC_Os02g45530	Os02g0678300	HOTHEAD precursor, putative, expressed
LOC_Os02g45540	Os02g0678400	synthase, putative, expressed
LOC_Os02g45590	Os02g0679200	PPR repeat domain containing protein, putative, expressed
LOC_Os02g45600	Os02g0679500	rhoGAP domain containing protein, expressed
LOC_Os02g45630	None	expressed protein
LOC_Os02g45650	Os02g0680400	peptidase, putative, expressed
LOC_Os02g45660	Os02g0680600	2-C-methyl-D-erythritol 2,4-cyclodiphosphate synthase, chloroplast precursor, putative, expressed
LOC_Os02g45690	Os02g0681000	uncharacterized mscS family protein, putative, expressed
LOC_Os02g45710	Os02g0681200	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os02g46370	None	expressed protein
LOC_Os02g46710	Os02g0694300	expressed protein
LOC_Os02g47030	Os02g0698100	expressed protein
LOC_Os02g47470	Os02g0703600	cytochrome P450, putative, expressed
LOC_Os02g51040	Os02g0744200	expansin precursor, putative, expressed
LOC_Os02g52490	Os02g0762600	expressed protein
LOC_Os02g52500	None	expressed protein
LOC_Os02g53270	Os02g0772500	expressed protein
LOC_Os02g53280	Os02g0772600	expressed protein
LOC_Os02g53290	None	expressed protein
LOC_Os02g53300	None	hypothetical protein
LOC_Os02g57570	Os02g0821600	MATE efflux family protein, putative, expressed
LOC_Os02g57770	Os02g0823700	glycosyl hydrolases family 16, putative, expressed
	Os03g0103800,	
LOC_Os03g01360	Os03g0104000	expressed protein
LOC_Os03g02090	Os03g0111600	expressed protein
LOC_Os03g02100	Os03g0111700	valyl-tRNA synthetase, putative, expressed
LOC_Os03g02110	Os03g0111800	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os03g02150	Os03g0112101,	adapitin protein, putative, expressed

	Os03g0112400	
LOC_Os03g02160	Os03g0112700	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os03g02710	Os03g0118800	hydroxymethylglutaryl-CoA synthase, putative, expressed
LOC_Os03g03550	Os03g0127500	bZIP family transcription factor, putative, expressed
LOC_Os03g03570	Os03g0127700	leucine-rich repeat transmembrane protein kinase, putative, expressed
LOC_Os03g03590	Os03g0127900	transporter, monovalent cation:proton antiporter-2 family, putative, expressed
LOC_Os03g03600	Os03g0128000	fasciclin-like arabinogalactan protein, putative, expressed
	Os03g0128100,	
LOC_Os03g03610	Os03g0128200	1,3-beta-glucan synthase component domain containing protein, expressed
LOC_Os03g03630	Os03g0128300	expressed protein
LOC_Os03g03640	Os03g0128400	expressed protein
LOC_Os03g04430	Os03g0137200	protein phosphatase 2C, putative, expressed
LOC_Os03g04440	Os03g0137300	expressed protein
LOC_Os03g04450	Os03g0137400	expressed protein
LOC_Os03g04760	Os03g0141100	expressed protein
LOC_Os03g04840	Os03g0141800	expressed protein
LOC_Os03g05210	Os03g0145600	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os03g05225	Os03g0145800	expressed protein
LOC_Os03g05260	Os03g0145900	ankyrin repeat domain containing protein, expressed
LOC_Os03g05270	Os03g0146900	RING finger and CHY zinc finger domain-containing protein 1, putative, expressed
LOC_Os03g05340	Os03g0147001	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g05450	Os03g0148300	expressed protein
LOC_Os03g05460	Os03g0148400	expressed protein
LOC_Os03g05470	Os03g0148700	tyrosine protein kinase domain containing protein, putative, expressed
LOC_Os03g05560	Os03g0149700	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os03g05580	None	expressed protein
LOC_Os03g05600	None	hypothetical protein
LOC_Os03g05630	Os03g0150700	expressed protein
LOC_Os03g05650	None	expressed protein
LOC_Os03g05660	Os03g0151100	appr-1-p processing enzyme family protein, putative, expressed

LOC_Os03g05680	Os03g0151300	histone demethylase JARID1C, putative, expressed
LOC_Os03g05700	Os03g0151500	expressed protein
LOC_Os03g05710	Os03g0151600	acetyltransferase, GNAT family, putative, expressed
LOC_Os03g05720	Os03g0151700	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os03g05730	Os03g0151800	cell division control protein 48 homolog E, putative, expressed
LOC_Os03g05750	Os03g0152000	heavy-metal-associated domain-containing protein, putative, expressed
LOC_Os03g05760	Os03g0152100	transcription factor Dp, putative, expressed
LOC_Os03g05800	Os03g0152600	expressed protein
LOC_Os03g05806	Os03g0152700	pseudouridine synthase family protein, putative, expressed
LOC_Os03g05812	Os03g0152800	expressed protein
LOC_Os03g05820	Os03g0152900	kinesin motor domain containing protein, expressed
LOC_Os03g05870	Os03g0153400	Fe-S metabolism associated domain containing protein, expressed
LOC_Os03g05900	Os03g0153900	expressed protein
LOC_Os03g06090	Os03g0156700	high-affinity nickel-transport family protein, putative, expressed
LOC_Os03g06120	Os03g0157300	PLAC8 family protein, expressed
LOC_Os03g06139	Os03g0157400	ABC-2 type transporter domain containing protein, expressed
		BTBP1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with pentapeptide repeats, expressed
LOC_Os03g06160	Os03g0157500	hsp20/alpha crystallin family protein, putative, expressed
LOC_Os03g06170	Os03g0157600	expressed protein
LOC_Os03g06180	Os03g0157700	3-5 exonuclease family protein, putative, expressed
LOC_Os03g06190	Os03g0157800	aminotransferase, putative, expressed
LOC_Os03g06200	Os03g0157900	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os03g06220	Os03g0158200	YT521-B-like family domain containing protein, expressed
LOC_Os03g06240	Os03g0158500	XS domain containing protein, expressed
LOC_Os03g06340	Os03g0159200	DUF623 domain containing protein, expressed
LOC_Os03g06350	Os03g0159400	late embryogenesis abundant protein D-34, putative, expressed
LOC_Os03g06360	Os03g0159600	PPR repeat domain containing protein, putative, expressed
LOC_Os03g06370	Os03g0159700	OsFBK11 - F-box domain and kelch repeat containing protein, expressed
LOC_Os03g07160	Os03g0167800	homeobox associated leucine zipper, putative, expressed
LOC_Os03g08960	Os03g0188900	

LOC_Os03g10140	Os03g0197800	ZOS3-04 - C2H2 zinc finger protein, expressed
LOC_Os03g10160	Os03g0198050	pentatricopeptide repeat-containing protein, putative, expressed
LOC_Os03g10200	Os03g0198500	ethylene-responsive element-binding protein, putative, expressed
LOC_Os03g10650	Os03g0203800	cyclin, putative, expressed
LOC_Os03g10660	Os03g0203900	expressed protein
LOC_Os03g10990	Os03g0207900	retinoblastoma-binding protein-like, putative, expressed
LOC_Os03g11020	Os03g0208600	PPR repeat containing protein, expressed
LOC_Os03g11030	Os03g0208700	cyclin, putative, expressed
LOC_Os03g11140	Os03g0209800	pleckstrin homology domain-containing protein-related taxo, putative, expressed
LOC_Os03g11150	Os03g0209900	expressed protein
LOC_Os03g11160	Os03g0210000	cysteine proteinase inhibitor precursor, putative, expressed
LOC_Os03g13300	Os03g0236200	glutamate decarboxylase, putative, expressed
LOC_Os03g13920	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os03g20260	Os03g0317900	aspartic proteinase nepenthesin-1 precursor, putative, expressed
LOC_Os03g21000	Os03g0326500	thioredoxin, putative, expressed
LOC_Os03g21010	Os03g0326550	expressed protein
LOC_Os03g21020	Os03g0326600	RNA recognition motif containing protein, putative, expressed
LOC_Os03g21080	Os03g0328000	guanine nucleotide exchange factor, putative, expressed
LOC_Os03g21090	Os03g0328100	auxin-independent growth promoter protein, putative, expressed
LOC_Os03g21140	Os03g0328900	RNA-binding zinc finger protein, putative, expressed
LOC_Os03g21210	Os03g0329500	endoglucanase, putative, expressed
LOC_Os03g21220	Os03g0329600	expressed protein
LOC_Os03g21240	Os03g0329900	myb-like DNA-binding domain containing protein, expressed
LOC_Os03g21250	Os03g0330000	glycosyl transferase, family 8, putative, expressed
LOC_Os03g21260	Os03g0330200	2,3-bisphosphoglycerate-independent phosphoglycerate mutase, putative, expressed
LOC_Os03g21270	Os03g0330300	expressed protein
LOC_Os03g21720	Os03g0335300	vacuolar-sorting receptor precursor, putative, expressed
LOC_Os03g21730	Os03g0335500	receptor-like protein kinase precursor, putative, expressed
LOC_Os03g25070	Os03g0366200	CAMK_CAMK_like
LOC_Os03g27360	Os03g0391100	RING-H2 finger protein ATL5H precursor, putative, expressed

LOC_Os03g43360	Os03g0632800	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os03g43390	Os03g0633100, Os03g0633400	F-box/LRR domain containing protein, putative, expressed
LOC_Os03g48000	Os03g0684400	CorA-like magnesium transporter protein, putative, expressed
LOC_Os03g48020	Os03g0684800	expressed protein
LOC_Os03g49524	Os03g0702000, Os03g0702133	anthocyanidin 3-O-glucosyltransferase, putative, expressed
LOC_Os03g49800	Os03g0705300	phosphatidylinositol-4-phosphate 5-kinase, putative, expressed
LOC_Os03g49810	None	hypothetical protein
LOC_Os03g49840	None	hypothetical protein
LOC_Os03g49880	Os03g0706500	TCP family transcription factor, putative, expressed
LOC_Os03g49890	None	hypothetical protein
LOC_Os03g49900	Os03g0706900	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os03g49920	Os03g0707050	expressed protein
LOC_Os03g49970	None	expressed protein
LOC_Os03g52475	Os03g0735200	pentatricopeptide, putative, expressed
LOC_Os03g53210	Os03g0743650	expressed protein
LOC_Os03g56690	Os03g0778300	expressed protein
LOC_Os03g56700	Os03g0778400	expressed protein
LOC_Os03g56950	Os03g0782500	phytochrome-interacting factor 4, putative, expressed
LOC_Os03g60250	Os03g0817100	membrane associated DUF588 domain containing protein, putative, expressed
LOC_Os03g60939	Os03g0824400	dolichyl-phosphate beta-glycosyltransferase, putative, expressed
LOC_Os03g60950	Os03g0824500	expressed protein
LOC_Os03g60960	Os03g0824600	cytokinin-N-glucosyltransferase 1, putative, expressed
LOC_Os03g60976	Os03g0824700, Os03g0824800	expressed protein
LOC_Os04g10890	Os04g0187400, Os04g0189000	expressed protein
LOC_Os04g14220	Os04g0219550, Os04g0219600	disease resistance protein RPM1, putative, expressed

LOC_Os04g14240	None	expressed protein
LOC_Os04g15600	None	receptor kinase, putative, expressed
LOC_Os04g15670	Os04g0227300	expressed protein
LOC_Os04g16770	None	photosynthetic reaction center protein, putative, expressed
LOC_Os04g16772	None	chloroplast 30S ribosomal protein S19, putative
LOC_Os04g16816	None	uncharacterized protein ycf72, putative
LOC_Os04g24510	Os04g0310400	OsWAK36 - OsWAK receptor-like protein kinase, expressed
LOC_Os04g27680	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os04g32470	Os04g0395700	expressed protein
LOC_Os04g40050	Os04g0476400	ribonuclease H2 subunit B, putative, expressed
LOC_Os04g40070	Os04g0476600	GRAM and C2 domains containing protein, putative, expressed
LOC_Os04g40080	Os04g0476700	leucine rich repeat containing protein, expressed
LOC_Os04g40090	Os04g0476800	zinc finger, ZZ type family protein, expressed
LOC_Os04g40100	Os04g0477000	BTBN11 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 NPH3 domain, expressed
LOC_Os04g40110	Os04g0477050	hypothetical protein
LOC_Os04g40120	Os04g0477100	expressed protein
LOC_Os04g40130	Os04g0477200	Rf1, mitochondrial precursor, putative, expressed
LOC_Os04g40140	Os04g0477300	expressed protein
LOC_Os04g40600	Os04g0482000	peptide methionine sulfoxide reductase, putative, expressed
LOC_Os04g42210	Os04g0500300	GPI-anchored protein, putative, expressed
LOC_Os04g45360	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g46740	Os04g0553500, Os04g0553650	pectinesterase, putative, expressed
LOC_Os04g48370	Os04g0572600	RNA polymerase IV subunit, putative, expressed
LOC_Os04g49510	Os04g0584600, Os04g0584750	CAMK_CAMK_like
LOC_Os04g57880	Os04g0675400	heat shock protein DnaJ, putative, expressed
LOC_Os04g57900	Os04g0675600	PPR repeat containing protein, expressed
LOC_Os05g01006	None	retrotransposon protein, putative, unclassified, expressed

LOC_Os05g06230	None	expressed protein
LOC_Os05g11820	Os05g0208600	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g12590	None	retrotransposon protein, putative, unclassified
LOC_Os05g28320	Os05g0350900	myb-like DNA-binding domain containing protein, putative, expressed
LOC_Os05g31910	Os05g0384600	white-brown complex homolog protein 16, putative, expressed
LOC_Os05g33400	Os05g0402900	basic 7S globulin precursor, putative, expressed
LOC_Os05g34870	Os05g0422200	expressed protein
LOC_Os05g34880	Os05g0422300	zinc finger, C3HC4 type family protein, expressed
LOC_Os05g34890	Os05g0422400	expressed protein
LOC_Os05g34920	Os05g0423200	expressed protein
LOC_Os05g34930	None	hypothetical protein
LOC_Os05g34990	None	hypothetical protein
LOC_Os05g35030	None	hypothetical protein
LOC_Os05g35080	Os05g0425301	expressed protein
LOC_Os05g35150	None	expressed protein
LOC_Os05g35160	Os05g0426100	clathrin assembly protein, putative, expressed
LOC_Os05g35170	Os05g0426200	no apical meristem protein, putative, expressed
LOC_Os05g35210	None	hypothetical protein
LOC_Os05g35420	Os05g0428850	expressed protein
LOC_Os05g35450	None	hypothetical protein
LOC_Os05g39230	Os05g0468600	low photochemical bleaching 1 protein, putative, expressed
LOC_Os05g40820	Os05g0486700	ribosomal protein L24, putative, expressed
LOC_Os05g40960	Os05g0488600	Myb transcription factor, putative, expressed
LOC_Os05g40970	None	expressed protein
LOC_Os05g40980	Os05g0488800	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os05g40990	Os05g0488900	NADH-cytochrome b5 reductase, putative, expressed
LOC_Os05g41000	Os05g0489000	endonuclease/exonuclease/phosphatase family domain containing protein, expressed
LOC_Os05g41080	Os05g0489800	histone H3, putative, expressed
LOC_Os05g41090	Os05g0489900	CAMK_CAMK_like(CG18020d)
LOC_Os05g41100	Os05g0490000	protein kri1, putative, expressed

LOC_Os05g41450	Os05g0494100	histone-like transcription factor and archaeal histone, putative, expressed
LOC_Os05g41460	Os05g0494200	cysteine proteinase inhibitor precursor protein, putative, expressed
LOC_Os05g41470	Os05g0494300	expressed protein
	Os05g0494800,	
LOC_Os05g41510	Os05g0494900	SH2 motif, putative, expressed
LOC_Os05g41530	Os05g0495100	ZOS5-11 - C2H2 zinc finger protein, expressed
LOC_Os05g41540	Os05g0495200	bZIP transcription factor domain containing protein, expressed
LOC_Os05g43030	Os05g0505900	expressed protein
LOC_Os05g44210	Os05g0518600	trehalose-6-phosphate synthase, putative, expressed
LOC_Os06g35400	None	hypothetical protein
LOC_Os06g39515	Os06g0596200	expressed protein
LOC_Os06g46380	Os06g0677500	rab geranylgeranyl transferase like protein, putative, expressed
LOC_Os06g46390	Os06g0677600	LSM domain containing protein, expressed
LOC_Os06g46400	Os06g0677700	ATCPSF30/CPSF30, putative, expressed
LOC_Os07g03260	Os07g0124750	CSLC10 - cellulose synthase-like family C, expressed
LOC_Os07g05024	Os07g0143500	expressed protein
LOC_Os07g05030	None	expressed protein
LOC_Os07g08190	Os07g0179200	cyclophilin, putative, expressed
LOC_Os07g08200	Os07g0179300	methyltransferase domain containing protein, putative, expressed
LOC_Os07g08210	Os07g0179400	cytidylyltransferase domain containing protein, expressed
LOC_Os07g08220	Os07g0179500	expressed protein
LOC_Os07g08230	None	hypothetical protein
LOC_Os07g08240	Os07g0179700	ZmEBE-1 protein, putative, expressed
LOC_Os07g08360	Os07g0181200	expressed protein
LOC_Os07g08380	Os07g0181400	expressed protein
LOC_Os07g12240	None	EF hand family protein, putative, expressed
LOC_Os07g37890	Os07g0566200	protein phosphatase 2C, putative, expressed
LOC_Os07g42750	Os07g0619600	DDT domain containing protein, putative, expressed
LOC_Os07g42760	Os07g0619700	expressed protein
LOC_Os07g44830	Os07g0642800	proline-rich family protein, putative, expressed

LOC_Os07g44840	Os07g0642900	bacterial transferase hexapeptide domain containing protein, expressed
LOC_Os07g49060	None	retrotransposon protein, putative, unclassified
LOC_Os08g04390	Os08g0138500	basic helix-loop-helix DND-binding domain containing protein, expressed
LOC_Os08g04400	Os08g0138600	pentatricopeptide repeat domain containing protein, putative, expressed
LOC_Os08g04420	Os08g0138700	tyrosine protein kinase domain containing protein, putative, expressed
LOC_Os08g12650	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os08g14630	None	hypothetical protein
LOC_Os08g30634	Os08g0396700	DC1 domain containing protein, expressed
LOC_Os08g32840	Os08g0424100	bifunctional monodehydroascorbate reductase and carbonic anhydrasenectarin-3 precursor, putative, expressed
LOC_Os08g34950	Os08g0450700, Os08g0450800	chaperonin Cpn60/TCP-1, putative, expressed
LOC_Os08g34970	Os08g0451000	conserved oligomeric Golgi complex component 3, putative, expressed
LOC_Os08g35570	Os08g0457100	expressed protein
LOC_Os08g35590	Os08g0457300	expressed protein
LOC_Os08g35740	Os08g0459600	12-oxophytodienoate reductase, putative, expressed
LOC_Os08g35750	Os08g0459700	Cupin domain containing protein, expressed
LOC_Os08g35760	Os08g0460000	Cupin domain containing protein, expressed
LOC_Os08g35770	None	expressed protein
LOC_Os08g35850	None	expressed protein
LOC_Os08g35860	Os08g0460600	cytokinin dehydrogenase precursor, putative, expressed
LOC_Os08g35990	None	expressed protein
LOC_Os08g36020	Os08g0462700	Disease resistance/zinc finger/chromosome condensation-like region protein, putative, expressed
LOC_Os08g36030	Os08g0462800	plant viral response family protein, putative, expressed
LOC_Os08g36060	Os08g0463100	expressed protein
LOC_Os08g36179	Os08g0464600	expressed protein
LOC_Os08g36240	Os08g0465200	expressed protein
LOC_Os08g36390	Os08g0467100	ZOS8-07 - C2H2 zinc finger protein, expressed
LOC_Os08g36410	Os08g0467300	ANTH domain containing protein, expressed

LOC_Os08g36440	Os08g0467500	HVA22, putative, expressed
LOC_Os08g36450	Os08g0467600	transcription regulator, putative, expressed
LOC_Os08g36520	None	peptidase aspartic family protein, putative, expressed
LOC_Os08g36560	Os08g0469400	emp24/gp25L/p24 family protein, putative, expressed
LOC_Os08g36570	Os08g0469500	F-box protein, putative, expressed
LOC_Os08g36580	Os08g0469600	expressed protein
LOC_Os08g36750	Os08g0471700	NFKB, putative, expressed
LOC_Os08g36760	Os08g0471800	remorin C-terminal domain containing protein, putative, expressed
LOC_Os08g36850	None	hypothetical protein
LOC_Os08g37130	Os08g0476300	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed
LOC_Os08g37140	Os08g0476400	phosphoglycerate mutase, putative, expressed
LOC_Os08g37150	Os08g0476600	DUF617 domain containing protein, expressed
LOC_Os08g37250	Os08g0477500	patatin, putative, expressed
LOC_Os08g37260	Os08g0477600	expressed protein
LOC_Os08g37270	None	heat shock protein DnaJ, putative, expressed
LOC_Os08g37280	Os08g0477800	PWWP domain containing protein, expressed
LOC_Os08g37300	Os08g0478000	expressed protein
LOC_Os08g37310	Os08g0478100	uncharacterized protein, YigZ family, putative, expressed
LOC_Os08g37320	Os08g0478200	expressed protein
LOC_Os08g37345	Os08g0478466	DNA binding protein, putative, expressed
LOC_Os08g37350	Os08g0478500	ubiquitin carboxyl-terminal hydrolase family protein, expressed
LOC_Os08g44350	Os08g0557700	histidine-containing phosphotransfer protein, putative, expressed
LOC_Os08g44470	Os08g0559000	expressed protein
LOC_Os08g44480	Os08g0559200	40S ribosomal protein S25, putative, expressed
LOC_Os08g44850	Os08g0562600	C2 domain containing protein, putative, expressed
LOC_Os08g44880	None	expressed protein
LOC_Os09g04710	Os09g0132900	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os09g24810	Os09g0414500	ZF-HD protein dimerisation region containing protein, expressed
LOC_Os09g35570	None	expressed protein

LOC_Os09g37990	None	expressed protein
LOC_Os09g38040	Os09g0553300	hydrolase, NUDIX family protein, expressed
LOC_Os09g38050	None	expressed protein
LOC_Os09g38060	Os09g0553600	nicotinate-nucleotide pyrophosphorylase, putative, expressed
LOC_Os09g38239	Os09g0555150	sulfotransferase domain containing protein, expressed
LOC_Os09g38300	Os09g0555300	OsFBK20 - F-box domain and kelch repeat containing protein, expressed
LOC_Os09g38310	Os09g0555400	pentatricopeptide, putative, expressed
LOC_Os09g38320	Os09g0555500	phytoene synthase, chloroplast precursor, putative, expressed
LOC_Os09g38330	Os09g0555600	MORN repeat domain containing protein, expressed
LOC_Os09g39410	Os09g0567500	male sterility protein, putative, expressed
LOC_Os09g39420	Os09g0567700	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os09g39440	Os09g0567900	inosine-uridine preferring nucleoside hydrolase family protein, putative, expressed
LOC_Os09g39450	None	expressed protein
LOC_Os09g39462	Os09g0568000	nucleic acid binding protein, putative, expressed
LOC_Os09g39474	Os09g0568100	expressed protein
LOC_Os09g39490	Os09g0568200	histone-like transcription factor and archaeal histone, putative, expressed
LOC_Os09g39510	Os09g0568500	Cupin domain containing protein, expressed
LOC_Os09g39520	Os09g0568600	Cupin domain containing protein, expressed
LOC_Os09g39560	Os09g0569100	genetic modifier, putative, expressed
LOC_Os09g39570	Os09g0569200	beta-amylase, putative, expressed
LOC_Os09g39594	Os09g0569450	expressed protein
LOC_Os09g39620	Os09g0569800	protein kinase family protein, putative, expressed
LOC_Os09g39640	Os09g0570000	protein kinase, putative, expressed
LOC_Os09g39650	Os09g0570100	protein kinase family protein, putative, expressed
LOC_Os09g39660	Os09g0570200	ZOS9-21 - C2H2 zinc finger protein, expressed
LOC_Os09g39670	Os09g0570300	oxidoreductase, short chain dehydrogenase/reductase family domain containing family, expressed
LOC_Os09g39680	Os09g0570400	transporter, major facilitator family, putative, expressed
LOC_Os09g39720	Os09g0570800	1-aminocyclopropane-1-carboxylate oxidase, putative, expressed
LOC_Os09g39730	Os09g0570850	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed

LOC_Os09g39740	Os09g0570900	ACT domain containing protein, expressed
LOC_Os09g39750	Os09g0571000	domain of unknown function DUF966 domain containing protein, expressed
LOC_Os09g39790	Os09g0571500	lipase, putative, expressed
LOC_Os09g39970	Os09g0573000	expressed protein
LOC_Os09g39980	Os09g0573100	ubiquitin family protein, putative, expressed
LOC_Os10g26940	Os10g0409400	BURP domain containing protein, expressed
LOC_Os10g26980	None	expressed protein
LOC_Os10g27070	None	hypothetical protein
LOC_Os10g27110	Os10g0411100	expressed protein
LOC_Os10g27460	None	expressed protein
LOC_Os10g28450	Os10g0420600	CAF1 family ribonuclease containing protein, expressed
LOC_Os10g28600	Os10g0421800	PPR repeat domain containing protein, putative, expressed
LOC_Os10g39434	None	expressed protein
LOC_Os10g39440	Os10g0539900	transporter family protein, putative, expressed
LOC_Os10g39450	Os10g0540000	RING-H2 finger protein, putative, expressed
LOC_Os10g39460	Os10g0540100	selenium-binding protein-like, putative, expressed
LOC_Os10g39510	Os10g0540900	expressed protein
LOC_Os10g39520	Os10g0541000	MLO domain containing protein, putative, expressed
LOC_Os10g39770	Os10g0544600	zinc finger, C3HC4 type, domain containing protein, expressed
LOC_Os10g39780	Os10g0544900	protein phosphatase 2C, putative, expressed
LOC_Os10g39790	Os10g0545000	CorA-like magnesium transporter protein, putative, expressed
LOC_Os10g39800	Os10g0545100	expressed protein
LOC_Os10g39810	Os10g0545200	fatty acid hydroxylase, putative, expressed
LOC_Os10g39820	Os10g0545300	zinc knuckle domain containing protein, expressed
LOC_Os10g39850	Os10g0545600	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os10g39860	Os10g0545700	expressed protein
LOC_Os10g39890	Os10g0546100	POEI31 - Pollen Ole e I allergen and extensin family protein precursor, putative, expressed
LOC_Os10g39900	Os10g0546200	glycosyltransferase family protein 1, putative, expressed
LOC_Os10g39910	Os10g0546300	expressed protein

LOC_Os10g39950	Os10g0547000	viral A-type inclusion protein repeat containing protein, expressed
LOC_Os11g03390	Os11g0127800	FHA domain containing protein, putative, expressed
LOC_Os11g03400	Os11g0127900	ribosomal protein, putative, expressed
LOC_Os11g03410	Os11g0128000	exostosin family domain containing protein, expressed
LOC_Os11g04160	Os11g0136450, Os11g0136500	dehydrogenase-phosphopantetheinyltransferase, putative, expressed
LOC_Os11g04180	Os11g0136800	dual specificity protein phosphatase, putative, expressed
LOC_Os12g03940	None	expressed protein

Genes in indica-japonica_SV

LOC_Os01g01090	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01100	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g01200	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g01550	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g01910	None	expressed protein
LOC_Os01g02240	None	transposon protein, putative, unclassified, expressed
LOC_Os01g02910	Os01g0118600	glycosyltransferase, putative, expressed
LOC_Os01g02990	None	expressed protein
LOC_Os01g03200	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g03240	None	conserved hypothetical protein
LOC_Os01g03830	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g03860	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g05320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g05580	None	Exo70 exocyst complex subunit family, putative, expressed
LOC_Os01g06360	Os01g0156500, Os01g0156600	transposon protein, putative, unclassified, expressed
LOC_Os01g06610	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g06810	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g07550	None	hypothetical protein

LOC_Os01g09060	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g09960	None	transposon protein, putative, unclassified, expressed
LOC_Os01g10195	Os01g0198702	expressed protein
LOC_Os01g10560	None	transposon protein, putative, unclassified
LOC_Os01g10770	Os01g0204900	expressed protein
LOC_Os01g10850	Os01g0205900	peroxidase precursor, putative, expressed
LOC_Os01g11054	Os01g0208700	phosphoenolpyruvate carboxylase, putative, expressed
LOC_Os01g11190	None	expressed protein
LOC_Os01g11670	Os01g0215100	OsSCP2 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os01g11680	None	transposon protein, putative, unclassified, expressed
LOC_Os01g11720	Os01g0215800	transposable element protein, putative, containing Pfam profile: PF03004, Transposase_24, expressed
LOC_Os01g13300	Os01g0234100	B3 DNA binding domain containing protein, expressed
LOC_Os01g13620	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g13630	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g14260	None	transposon protein, putative, Ac/Ds sub-class
LOC_Os01g14270	Os01g0244900, Os01g0244966	OsFBX4 - F-box domain containing protein, expressed
LOC_Os01g14650	Os01g0248900	expansin precursor, putative, expressed
LOC_Os01g15070	None	retrotransposon protein, putative, unclassified
LOC_Os01g15080	None	hypothetical protein
LOC_Os01g15150	None	expressed protein
LOC_Os01g15420	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os01g16300	None	hypothetical protein
LOC_Os01g18020	None	retrotransposon protein, putative, unclassified
LOC_Os01g18250	None	subtilase, putative, expressed
LOC_Os01g19010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g19100	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g19220	Os01g0296700	beta-D-xylosidase, putative, expressed

LOC_Os01g19230	None	expressed protein
LOC_Os01g19240	Os01g0296900	integral membrane protein DUF6 containing protein, expressed
LOC_Os01g19250	None	expressed protein
LOC_Os01g19894	Os01g0304500	transposon protein, putative, unclassified, expressed
	Os01g0316550,	
LOC_Os01g21420	Os01g0316600	pre-mRNA-splicing factor SF2, putative, expressed
LOC_Os01g22309	None	hypothetical protein
LOC_Os01g22630	Os01g0329800	ECT protein, putative, expressed
LOC_Os01g22780	Os01g0331100	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os01g22930	None	expressed protein
LOC_Os01g23180	None	retrotransposon protein, putative, unclassified
LOC_Os01g23239	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g24160	None	hypothetical protein
LOC_Os01g25386	Os01g0356400	multidrug resistance-associated protein, putative, expressed
LOC_Os01g25600	Os01g0358300	tetratricopeptide repeat domain containing protein, expressed
LOC_Os01g25920	Os01g0361000	expressed protein
LOC_Os01g27070	Os01g0368500	expressed protein
LOC_Os01g27230	Os01g0369900	12-oxophytodienoate reductase, putative, expressed
LOC_Os01g27260	Os01g0370200	glutathione S-transferase, putative, expressed
LOC_Os01g27320	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g27510	None	expressed protein
LOC_Os01g27520	Os01g0372700	tRNA synthetases class II domain containing protein, expressed
LOC_Os01g27530	Os01g0373033	expressed protein
LOC_Os01g27880	Os01g0376700	sucrose-phosphatase, putative, expressed
LOC_Os01g27890	Os01g0377000	cytochrome P450, putative, expressed
LOC_Os01g28134	Os01g0379101	expressed protein
LOC_Os01g28270	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g28300	Os01g0380800	OsFBX7 - F-box domain containing protein, expressed
LOC_Os01g28320	None	retrotransposon, putative, centromere-specific
LOC_Os01g28570	Os01g0382800	pentatricopeptide, putative, expressed

LOC_Os01g28580	Os01g0382900	expressed protein
LOC_Os01g28590	None	expressed protein
LOC_Os01g28600	Os01g0383100	exo70 exocyst complex subunit family protein, putative, expressed
LOC_Os01g28680	Os01g0383700	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os01g28690	Os01g0383900	nucleoporin autoproteidase domain containing protein, expressed
LOC_Os01g28700	None	hypothetical protein
LOC_Os01g28710	Os01g0384100	expressed protein
LOC_Os01g28720	None	hypothetical protein
LOC_Os01g28730	Os01g0384300	protein kinase domain containing protein, expressed
LOC_Os01g28830	Os01g0385200	expressed protein
LOC_Os01g28940	None	hypothetical protein
LOC_Os01g28970	Os01g0386500	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g28980	Os01g0386600	proton-dependent oligopeptide transport, putative, expressed
LOC_Os01g29040	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29570	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g29610	Os01g0391500	expressed protein
LOC_Os01g32270	None	hypothetical protein
LOC_Os01g32530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g32550	None	hypothetical protein
LOC_Os01g33160	Os01g0516200	stress responsive A/B Barrel domain containing protein, expressed
LOC_Os01g34060	Os01g0524500	MYB family transcription factor, putative, expressed
LOC_Os01g34510	None	hypothetical protein
LOC_Os01g37160	None	retrotransposon protein, putative, unclassified
LOC_Os01g37170	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g38400	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g38650	Os01g0567200	expressed protein
LOC_Os01g39136	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g40120	Os01g0583300	expressed protein
LOC_Os01g40320	Os01g0585400	DNA damage-binding protein 1, putative, expressed
LOC_Os01g40499	Os01g0587400	S-locus lectin protein kinase family protein, putative, expressed

LOC_Os01g40880	Os01g0591400	hypothetical protein
LOC_Os01g41440	None	retrotransposon protein, putative, unclassified
LOC_Os01g43590	Os01g0625300	HSF-type DNA-binding domain containing protein, expressed
LOC_Os01g43790	None	transposon protein, putative, unclassified
LOC_Os01g43910	Os01g0629900	CGMC_MAPKCMGC_2
LOC_Os01g43980	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g45000	None	expressed protein
LOC_Os01g45880	Os01g0646700, Os01g0646800	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g46169	Os01g0650200	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os01g47300	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g48060	Os01g0670800	auxin response factor, putative, expressed
LOC_Os01g48640	Os01g0678100	expressed protein
LOC_Os01g52260	Os01g0720700	serine acetyltransferase protein, putative, expressed
LOC_Os01g52370	Os01g0721700	expressed protein
LOC_Os01g52910	Os01g0729800	expressed protein
LOC_Os01g53210	Os01g0733001	metal transporter Nramp3, putative, expressed
LOC_Os01g53230	Os01g0733100	expressed protein
LOC_Os01g53240	Os01g0733500	BURP domain containing protein, expressed
LOC_Os01g53250	Os01g0733600	NADPH reductase, putative, expressed
LOC_Os01g53310	None	hypothetical protein
LOC_Os01g53340	None	expressed protein
LOC_Os01g54140	Os01g0744700	expressed protein
LOC_Os01g54980	Os01g0753400	expressed protein
LOC_Os01g56850	Os01g0776300	expressed protein
LOC_Os01g57110	Os01g0779400	SNF2 family N-terminal domain containing protein, expressed
LOC_Os01g57140	None	hypothetical protein
LOC_Os01g59360	Os01g0808400	CAMK_CAMK_like
LOC_Os01g60080	Os01g0816700	monocopper oxidase, putative, expressed
LOC_Os01g61920	Os01g0835900	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed

LOC_Os01g62700	None	expressed protein
LOC_Os01g62710	None	transposon protein, putative, unclassified
LOC_Os01g62740	Os01g0845950	expressed protein
LOC_Os01g63050	Os01g0850000	expressed protein
LOC_Os01g63970	Os01g0858900	sialyltransferase family domain containing protein, expressed
LOC_Os01g63980	Os01g0859100	ZOS1-17 - C2H2 zinc finger protein, expressed
LOC_Os01g64140	None	endoglucanase 22 precursor, putative, expressed
LOC_Os01g64200	None	transposon protein, putative, unclassified, expressed
LOC_Os01g64320	None	expressed protein
LOC_Os01g64340	Os01g0863133	expressed protein
LOC_Os01g64370	Os01g0863400	expressed protein
LOC_Os01g64380	None	expressed protein
LOC_Os01g65130	Os01g0871800	peptide transporter, putative, expressed
LOC_Os01g66890	Os01g0893400	BTBZ1 - Bric-a-Brac, Tramtrack, and Broad Complex BTB domain with TAZ zinc finger and Calmodulin-binding domains, expressed
LOC_Os01g66900	Os01g0893700	expressed protein
LOC_Os01g66910	None	expressed protein
LOC_Os01g66920	Os01g0894000	Ser/Thr protein phosphatase family protein, putative, expressed
LOC_Os01g66930	Os01g0894100	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g67620	None	expressed protein
LOC_Os01g68160	Os01g0909500	ZOS1-22 - C2H2 zinc finger protein, expressed
LOC_Os01g71870	None	transposon protein, putative, unclassified, expressed
LOC_Os01g72140	Os01g0949800	glutathione S-transferase, putative, expressed
LOC_Os01g72200	Os01g0950800	expressed protein
LOC_Os01g72400	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g72620	Os01g0956400	expressed protein
LOC_Os01g73820	None	expressed protein
LOC_Os02g02080	None	expressed protein
LOC_Os02g04400	None	expressed protein
LOC_Os02g12140	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed

LOC_Os02g14420	None	hypothetical protein
LOC_Os02g14470	Os02g0240866	hypothetical protein
LOC_Os02g15300	None	expressed protein
LOC_Os02g15420	None	hypothetical protein
LOC_Os02g15630	Os02g0255400	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g16030	Os02g0261000	harpin-induced protein 1 domain containing protein, expressed
LOC_Os02g16040	Os02g0261100	ubiquitin-conjugating enzyme, putative, expressed
LOC_Os02g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os02g16320	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g16450	Os02g0264300	expressed protein
LOC_Os02g16470	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os02g16500	Os02g0264800	expressed protein
LOC_Os02g17840	None	expressed protein
LOC_Os02g18064	None	expressed protein
	Os02g0288700,	ABC transporter family protein, putative, expressed
LOC_Os02g18700	Os02g0288766	
LOC_Os02g19370	None	retrotransposon protein, putative, unclassified
LOC_Os02g20040	Os02g0303500	loricrin, putative, expressed
LOC_Os02g20210	Os02g0305300	disease resistance protein RGA1, putative, expressed
LOC_Os02g21320	None	expressed protein
LOC_Os02g21550	Os02g0320800	flavonol synthase/flavanone 3-hydroxylase, putative, expressed
LOC_Os02g22200	None	expressed protein
LOC_Os02g24205	Os02g0438601	expressed protein
LOC_Os02g24420	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g24920	None	expressed protein
LOC_Os02g24930	None	expressed protein
LOC_Os02g25050	None	expressed protein
LOC_Os02g25310	Os02g0450800	zinc knuckle family protein, expressed
LOC_Os02g27220	Os02g0471500	protein phosphatase 2C, putative, expressed
LOC_Os02g27340	Os02g0472900	riboflavin biosynthesis protein ribD, putative, expressed

LOC_Os02g29450	Os02g0497400	expressed protein
LOC_Os02g29464	Os02g0497500	RecF/RecN/SMC N terminal domain containing protein, expressed
LOC_Os02g33720	Os02g0541500	RING-H2 finger protein, putative, expressed
LOC_Os02g33730	Os02g0541700	ubiquinol-cytochrome C reductase hinge protein, putative, expressed
LOC_Os02g33800	Os02g0542800	expressed protein
LOC_Os02g34730	Os02g0552400	transposon protein, putative, Mariner sub-class, expressed
LOC_Os02g40140	None	transposon protein, putative, unclassified, expressed
LOC_Os02g40840	Os02g0621800	alcohol oxidase, putative, expressed
LOC_Os02g42380	Os02g0635800	TCP family transcription factor, putative, expressed
LOC_Os02g43460	Os02g0650800	required to maintain repression 1, putative, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g43960	Os02g0656900	expressed protein
LOC_Os02g44140	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os02g44420	None	conserved hypothetical protein
LOC_Os02g45280	Os02g0675400	cytochrome P450, putative, expressed
LOC_Os02g45370	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g46370	None	expressed protein
LOC_Os02g46600	Os02g0692000	RING-H2 finger protein ATL5G, putative, expressed
LOC_Os02g47470	Os02g0703600	cytochrome P450, putative, expressed
LOC_Os02g47680	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os02g48260	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g48270	None	DUF260 domain containing protein, putative
LOC_Os02g48280	Os02g0713250	expressed protein
LOC_Os02g48290	Os02g0713400	thioredoxin reductase 2, putative, expressed
LOC_Os02g48300	Os02g0713500	OsFBX60 - F-box domain containing protein, expressed
LOC_Os02g48940	None	expressed protein
LOC_Os02g49310	Os02g0725000	AGC_PVPK_like_kin82y
LOC_Os02g49320	Os02g0725100	sucrase-related, putative, expressed
LOC_Os02g49510	Os02g0727100	amino acid transporter, putative, expressed
LOC_Os02g50120	None	retrotransposon protein, putative, Ty3-gypsy subclass

LOC_Os02g51970	Os02g0756200	phosphate-induced protein 1 conserved region domain containing protein, expressed
LOC_Os02g51990	None	expressed protein
LOC_Os02g52000	Os02g0756600	phosphate-induced protein 1 conserved region domain containing protein, expressed
LOC_Os02g54120	Os02g0782200	CCR4-NOT transcription factor, putative, expressed
LOC_Os02g54420	Os02g0785400	hypro1, putative, expressed
LOC_Os02g54780	Os02g0789600	CYPRO4, putative, expressed
LOC_Os02g54800	Os02g0789833	expressed protein
LOC_Os02g54810	Os02g0789966	hypothetical protein
LOC_Os02g54940	None	expressed protein
LOC_Os02g54960	Os02g0792500	carboxyl-terminal proteinase, putative, expressed
	Os03g0116300,	
LOC_Os03g02514	Os03g0116316	hydrolase, alpha/beta fold family protein, putative, expressed
LOC_Os03g02530	Os03g0116400	OsRhmbd7 - Putative Rhomboid homologue, expressed
LOC_Os03g04840	Os03g0141800	expressed protein
LOC_Os03g05180	Os03g0145300	expressed protein
LOC_Os03g05370	Os03g0147200	expressed protein
LOC_Os03g05560	Os03g0149700	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os03g05870	Os03g0153400	Fe-S metabolism associated domain containing protein, expressed
LOC_Os03g06990	Os03g0166100	oxidoreductase, putative, expressed
LOC_Os03g07160	Os03g0167800	OsFBK11 - F-box domain and kelch repeat containing protein, expressed
LOC_Os03g08640	Os03g0184700	ORC2 - Putative origin recognition complex subunit 2, expressed
LOC_Os03g09120	Os03g0191200	expressed protein
LOC_Os03g09130	None	expressed protein
LOC_Os03g09140	Os03g0191400	ras-related protein, putative, expressed
LOC_Os03g09150	Os03g0191700	pumilio-family RNA binding repeat domain containing protein, expressed
LOC_Os03g10280	None	retrotransposon protein, putative, unclassified, expressed
	Os03g0199900,	
LOC_Os03g10290	Os03g0199940	expressed protein
LOC_Os03g11840	Os03g0217900	expressed protein
LOC_Os03g12660	Os03g0227700	cytochrome P450, putative, expressed

LOC_Os03g13920	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os03g20060	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g21310	Os03g0331200	ulp1 protease family, C-terminal catalytic domain containing protein, expressed
LOC_Os03g24830	Os03g0363200	uncharacterized protein HI0077, putative, expressed
LOC_Os03g28180	None	expressed protein
LOC_Os03g33420	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os03g36220	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g38520	Os03g0581800	expressed protein
LOC_Os03g38534	None	expressed protein
LOC_Os03g38540	Os03g0582000	folic acid binding protein, putative, expressed
LOC_Os03g39390	None	expressed protein
LOC_Os03g40470	Os03g0602015	expressed protein
LOC_Os03g40860	None	expressed protein
LOC_Os03g40900	None	expressed protein
LOC_Os03g40920	Os03g0606200	expressed protein
LOC_Os03g41570	None	transposon protein, putative, unclassified, expressed
LOC_Os03g42440	Os03g0622300	expressed protein
LOC_Os03g42490	Os03g0622800	expressed protein
LOC_Os03g42510	Os03g0623000	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os03g43114	Os03g0629900	expressed protein
LOC_Os03g50340	Os03g0711400	coatomer alpha subunit, putative, expressed
LOC_Os03g59225	Os03g0807000	expressed protein
LOC_Os03g59400	None	expressed protein
LOC_Os03g60030	Os03g0814800	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os04g02530	Os04g0115700	expressed protein
LOC_Os04g07450	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g12620	None	expressed protein
LOC_Os04g12639	Os04g0203400	carboxyl-terminal proteinase, putative, expressed
LOC_Os04g20424	Os04g0272500	neural Wiskott-Aldrich syndrome protein, putative, expressed
LOC_Os04g20430	None	expressed protein

LOC_Os04g21880	Os04g0286800	expressed protein
LOC_Os04g21890	None	disease resistance protein RPM1, putative, expressed
LOC_Os04g21900	None	expressed protein
LOC_Os04g22210	Os04g0289500	SCP-like extracellular protein, expressed
LOC_Os04g22220	Os04g0289600	SCP-like extracellular protein, expressed
LOC_Os04g22230	Os04g0289700	SCP-like extracellular protein, expressed
LOC_Os04g22330	Os04g0290500	SCP-like extracellular protein, expressed
LOC_Os04g22340	None	SCP-like extracellular protein, expressed
LOC_Os04g22350	Os04g0290700	expressed protein
LOC_Os04g22380	Os04g0291000	short chain dehydrogenase/reductase protein, putative, expressed
LOC_Os04g22440	None	expressed protein
LOC_Os04g28500	None	expressed protein
LOC_Os04g28760	None	expressed protein
LOC_Os04g32770	Os04g0399600	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g40600	Os04g0482000	peptide methionine sulfoxide reductase, putative, expressed
LOC_Os04g41080	Os04g0487800	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os04g41720	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os04g42110	Os04g0498800	cell division control protein 48 homolog B, putative, expressed
LOC_Os04g42120	Os04g0498900	N-acetyltransferase ESCO2, putative, expressed
LOC_Os04g42130	Os04g0499100	integral membrane transporter family protein, putative, expressed
LOC_Os04g42134	Os04g0499200	enhancer of rudimentary protein, putative, expressed
LOC_Os04g42210	Os04g0500300	GPI-anchored protein, putative, expressed
LOC_Os04g48160	Os04g0569900	IQ calmodulin-binding motif family protein, putative, expressed
LOC_Os04g49290	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g55350	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os04g59160	Os04g0688200	peroxidase precursor, putative, expressed
LOC_Os05g03810	Os05g0128900	trehalose phosphatase, putative, expressed
LOC_Os05g03820	Os05g0129000	glutamate--cysteine ligase, chloroplast precursor, putative, expressed
LOC_Os05g03830	Os05g0129100	aminotransferase, putative, expressed
LOC_Os05g04750	Os05g0139200	OsFBX157 - F-box domain containing protein, expressed

LOC_Os05g06180	None	expressed protein
LOC_Os05g13970	Os05g0228000	phosphorylase domain containing protein, putative, expressed
LOC_Os05g13980	None	hypothetical protein
LOC_Os05g25220	Os05g0316300	expressed protein
LOC_Os05g25940	None	expressed protein
LOC_Os05g27720	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os05g28490	Os05g0353100	FAD-binding domain-containing protein, putative, expressed
LOC_Os05g30730	Os05g0370200	expressed protein
LOC_Os05g30740	Os05g0370300	C2 domain containing protein, putative, expressed
LOC_Os05g31530	Os05g0379500	disease resistance protein RGA4, putative, expressed
LOC_Os05g36320	Os05g0439100	expressed protein
LOC_Os05g36370	Os05g0439500	expressed protein
LOC_Os05g36380	Os05g0439750	expressed protein
LOC_Os05g40720	Os05g0485500	glycosyl transferase, family 8, putative, expressed
LOC_Os05g40840	None	hypothetical protein
LOC_Os05g40880	None	expressed protein
LOC_Os05g43360	Os05g0509200	NADH dehydrogenase flavoprotein 2, mitochondrial precursor, putative, expressed
LOC_Os05g44420	Os05g0520600	expressed protein
LOC_Os05g44430	Os05g0520801	hypothetical protein
LOC_Os05g45610	Os05g0532800	expressed protein
LOC_Os05g47880	Os05g0552200	hypro1, putative, expressed
LOC_Os05g48180	Os05g0555450	expressed protein
LOC_Os05g50590	None	expressed protein
LOC_Os05g51760	Os05g0596300	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os06g05750	Os06g0150600	transferase family domain containing protein, expressed
LOC_Os06g05800	Os06g0151200	RNA recognition motif containing protein, putative, expressed
LOC_Os06g05804	Os06g0151300	trafficking protein particle complex subunit 4, putative, expressed
LOC_Os06g24711	Os06g0354600	expressed protein
LOC_Os06g28000	Os06g0474500	carboxyl-terminal peptidase, putative, expressed
LOC_Os06g30470	Os06g0500100	expressed protein

LOC_Os06g31810	None	hypothetical protein
LOC_Os06g34370	None	transposon protein, putative, Pong sub-class, expressed
LOC_Os06g38590	Os06g0585950	receptor-like protein kinase precursor, putative, expressed
LOC_Os06g38600	None	expressed protein
LOC_Os06g39515	Os06g0596200	expressed protein
LOC_Os06g41480	Os06g0619000	vrga1, putative, expressed
LOC_Os06g43740	Os06g0645100	OsFBX201 - F-box domain containing protein, expressed
LOC_Os06g47350	Os06g0688100	RNA polymerase I specific transcription initiation factor RRN3 family protein, putative, expressed
LOC_Os06g47360	Os06g0688200	beta-expansin precursor, putative, expressed
LOC_Os06g47440	Os06g0688900	expressed protein
LOC_Os06g47460	None	expressed protein
LOC_Os07g08930	Os07g0187000	expressed protein
LOC_Os07g15610	None	hypothetical protein
LOC_Os07g16280	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os07g19560	Os07g0296200	TATA-binding protein-associated factor 2N, putative, expressed
LOC_Os07g26060	None	expressed protein
LOC_Os07g31930	None	hypothetical protein
LOC_Os07g38664	Os07g0574400	expressed protein
LOC_Os07g39660	None	hypothetical protein
LOC_Os08g12650	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os08g32530	Os08g0421000	expressed protein
LOC_Os08g33290	None	expressed protein
LOC_Os08g35560	Os08g0457000	expressed protein
LOC_Os08g36240	Os08g0465200	expressed protein
LOC_Os08g36850	None	hypothetical protein
LOC_Os08g37030	Os08g0475000	gibberellin receptor GID1L2, putative, expressed
LOC_Os08g44950	Os08g0563500	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os08g44960	None	AP2 domain containing protein, expressed
LOC_Os08g45180	Os08g0566400	kinase, pfkB family, putative, expressed

LOC_Os09g07160	Os09g0246700	expressed protein
LOC_Os09g07930	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os09g09820	Os09g0271000	retrotransposon protein, putative, unclassified, expressed
LOC_Os09g17329	Os09g0343200	expressed protein
LOC_Os09g21490	None	expressed protein
LOC_Os09g26040	Os09g0429932	expressed protein
LOC_Os09g26300	Os09g0432900	hypro1, putative, expressed
LOC_Os09g26330	Os09g0433500	hypro1, putative, expressed
LOC_Os09g26670	Os09g0438100	expressed protein
LOC_Os09g28700	None	expressed protein
LOC_Os09g28710	None	expressed protein
LOC_Os09g31250	None	transposon protein, putative, unclassified, expressed
LOC_Os10g08230	Os10g0164500	retrotransposon, putative, centromere-specific, expressed
LOC_Os10g22070	Os10g0365200	glutathione S-transferase, putative, expressed
LOC_Os10g26820	None	expressed protein
LOC_Os10g27000	None	expressed protein
LOC_Os10g27070	None	hypothetical protein
LOC_Os10g38160	None	glutathione S-transferase, putative, expressed
LOC_Os10g38510	None	expressed protein
LOC_Os11g03240	Os11g0126100	MATE efflux family protein, putative, expressed
LOC_Os11g04210	Os11g0137200	hydroxymethylglutaryl-CoA lyase, putative, expressed
LOC_Os11g04230	Os11g0137400	transcription initiation factor, putative, expressed
LOC_Os11g04630	None	expressed protein
LOC_Os11g06990	Os11g0171000, Os11g0171050	expressed protein
LOC_Os11g07000	Os11g0171100	expressed protein
LOC_Os11g07010	None	expressed protein
LOC_Os11g11620	None	ZmEBE-1 protein, putative, expressed
LOC_Os11g24360	None	expressed protein
LOC_Os11g24374	Os11g0431700	OsSCP55 - Putative Serine Carboxypeptidase homologue, expressed

LOC_Os11g31060	Os11g0506800	IQ calmodulin-binding and BAG domain containing protein, putative, expressed
LOC_Os11g31070	Os11g0506901	hypothetical protein
LOC_Os12g07300	Os12g0170700	N-acetyltransferase 10, putative, expressed
LOC_Os12g07310	Os12g0170800	citrate-binding protein precursor, putative, expressed
LOC_Os12g21560	None	retrotransposon protein, putative, unclassified, expressed

Table S4. GO analysis for significantly divergent genes (top 1% F_{ST}) between each two species, rufipogon, indica and japonica.

GO term	Ontology	Description	Number in input list	Number in BG/Ref	p-value
Shared genes in indica-rufipogon comparision					
GO:0019430	Biological Process	removal of superoxide radicals	1	3	0.0056
GO:0000305	Biological Process	response to oxygen radical	1	3	0.0056
GO:0000303	Biological Process	response to superoxide	1	3	0.0056
GO:0000302	Biological Process	response to reactive oxygen species	1	3	0.0056
GO:0071451	Biological Process	cellular response to superoxide	1	3	0.0056
GO:0071450	Biological Process	cellular response to oxygen radical	1	3	0.0056
GO:0034614	Biological Process	cellular response to reactive oxygen species	1	3	0.0056
GO:0034599	Biological Process	cellular response to oxidative stress	1	3	0.0056
GO:0070887	Biological Process	cellular response to chemical stimulus	1	6	0.0098
GO:0015979	Biological Process	photosynthesis	2	115	0.012
GO:0009690	Biological Process	cytokinin metabolic process	1	10	0.015
GO:0042445	Biological Process	hormone metabolic process	1	10	0.015
GO:0010817	Biological Process	regulation of hormone levels	1	10	0.015
GO:0034754	Biological Process	cellular hormone metabolic process	1	10	0.015
GO:0009086	Biological Process	methionine biosynthetic process	1	11	0.017
GO:0006800	Biological Process	oxygen and reactive oxygen species metabolic process	1	12	0.018
GO:0006801	Biological Process	superoxide metabolic process	1	12	0.018
GO:0006555	Biological Process	methionine metabolic process	1	12	0.018
GO:0010035	Biological Process	response to inorganic substance	1	18	0.026
GO:0009067	Biological Process	aspartate family amino acid biosynthetic process	1	26	0.037
GO:0000097	Biological Process	sulfur amino acid biosynthetic process	1	28	0.04
GO:0009066	Biological Process	aspartate family amino acid metabolic process	1	28	0.04
GO:0000096	Biological Process	sulfur amino acid metabolic process	1	31	0.044
GO:0046522	Molecular Function	S-methyl-5-thioribose kinase activity	1	2	0.0042
GO:0016667	Molecular Function	oxidoreductase activity, acting on sulfur group of	2	75	0.0053

		donors				
GO:0004791	Molecular Function	thioredoxin-disulfide reductase activity	1	3	0.0056	
GO:0016668	Molecular Function	oxidoreductase activity, acting on sulfur group of donors, NAD or NADP as acceptor	1	9	0.014	
GO:0016671	Molecular Function	oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor	1	9	0.014	
GO:0019139	Molecular Function	cytokinin dehydrogenase activity	1	10	0.015	
GO:0050660	Molecular Function	FAD binding	2	156	0.021	
GO:0016645	Molecular Function	oxidoreductase activity, acting on the CH-NH group of donors	1	16	0.024	
GO:0004298	Molecular Function	threonine-type endopeptidase activity	1	24	0.035	
GO:0070003	Molecular Function	threonine-type peptidase activity	1	24	0.035	
GO:0019898	Cellular Component	extrinsic to membrane	2	22	0.00052	
GO:0009654	Cellular Component	oxygen evolving complex	2	26	0.00071	
GO:0009523	Cellular Component	photosystem II	2	46	0.0021	
GO:0044436	Cellular Component	thylakoid part	2	50	0.0024	
GO:0043234	Cellular Component	protein complex	5	706	0.003	
GO:0009521	Cellular Component	photosystem	2	72	0.0049	
GO:0032991	Cellular Component	macromolecular complex	6	1207	0.0064	
GO:0034357	Cellular Component	photosynthetic membrane	2	89	0.0073	
GO:0009579	Cellular Component	thylakoid	2	93	0.0079	
GO:0005875	Cellular Component	microtubule associated complex	1	7	0.011	
GO:0019773	Cellular Component	proteasome core complex, alpha-subunit complex	1	14	0.021	
GO:0005839	Cellular Component	proteasome core complex	1	24	0.035	
GO:0015630	Cellular Component	microtubule cytoskeleton	1	30	0.043	
GO:0000502	Cellular Component	proteasome complex	1	32	0.046	

Genes in indica-rufipogon_SNP

GO:0010467	Biological Process	gene expression	41	2424	0.00072
GO:0016070	Biological Process	RNA metabolic process	23	1088	0.00077

GO:0006725	Biological Process	cellular aromatic compound metabolic process	7	145	0.00084
GO:0006351	Biological Process	transcription, DNA-dependent	18	786	0.0012
GO:0006366	Biological Process	transcription from RNA polymerase II promoter	4	43	0.0012
GO:0032774	Biological Process	RNA biosynthetic process	18	788	0.0013
GO:0080090	Biological Process	regulation of primary metabolic process	29	1626	0.0022
GO:0060255	Biological Process	regulation of macromolecule metabolic process	29	1640	0.0025
GO:0044271	Biological Process	cellular nitrogen compound biosynthetic process	8	231	0.0028
GO:0019222	Biological Process	regulation of metabolic process	29	1664	0.003
GO:0006355	Biological Process	regulation of transcription, DNA-dependent	16	737	0.0038
GO:0051252	Biological Process	regulation of RNA metabolic process	16	740	0.0039
GO:0006350	Biological Process	transcription	28	1629	0.0043
GO:0050789	Biological Process	regulation of biological process	33	2027	0.0045
GO:0046483	Biological Process	heterocycle metabolic process	9	312	0.0051
GO:0065007	Biological Process	biological regulation	34	2125	0.0051
GO:0034641	Biological Process	cellular nitrogen compound metabolic process	11	435	0.0053
		regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	26	1520	0.0063
GO:0019219	Biological Process	regulation of nitrogen compound metabolic process	26	1520	0.0063
GO:0051171	Biological Process	folic acid and derivative biosynthetic process	2	11	0.0072
GO:0009396	Biological Process	folic acid and derivative metabolic process	2	14	0.011
GO:0006760	Biological Process	regulation of transcription	25	1513	0.011
GO:0045449	Biological Process	regulation of cellular metabolic process	26	1593	0.011
GO:0031323	Biological Process	cellular amino acid biosynthetic process	5	133	0.012
GO:0008652	Biological Process	regulation of cellular process	30	1955	0.014
GO:0050794	Biological Process	aromatic compound biosynthetic process	3	50	0.016
GO:0019438	Biological Process	regulation of macromolecule biosynthetic process	25	1564	0.016
GO:0010556	Biological Process	regulation of biosynthetic process	25	1564	0.016
GO:0009889	Biological Process	regulation of cellular biosynthetic process	25	1564	0.016
GO:0031326	Biological Process	amine metabolic process	9	380	0.016
GO:0009308	Biological Process	pyrimidine nucleotide biosynthetic process	2	18	0.017
GO:0006221	Biological Process				

GO:0010468	Biological Process	regulation of gene expression	25	1577	0.017
GO:0006220	Biological Process	pyrimidine nucleotide metabolic process	2	19	0.018
GO:0006282	Biological Process	regulation of DNA repair	1	1	0.02
GO:0018065	Biological Process	protein-cofactor linkage	1	1	0.02
GO:0048583	Biological Process	regulation of response to stimulus	1	1	0.02
GO:0080134	Biological Process	regulation of response to stress	1	1	0.02
GO:0080135	Biological Process	regulation of cellular response to stress	1	1	0.02
GO:0018160	Biological Process	peptidyl-pyrrromethane cofactor linkage	1	1	0.02
GO:0018198	Biological Process	peptidyl-cysteine modification	1	1	0.02
GO:0043648	Biological Process	dicarboxylic acid metabolic process	3	55	0.02
GO:0009108	Biological Process	coenzyme biosynthetic process	3	56	0.021
GO:0009309	Biological Process	amine biosynthetic process	5	153	0.021
GO:0044106	Biological Process	cellular amine metabolic process	8	333	0.021
GO:0006813	Biological Process	potassium ion transport	3	57	0.022
GO:0043436	Biological Process	oxoacid metabolic process	10	473	0.023
GO:0019752	Biological Process	carboxylic acid metabolic process	10	473	0.023
		regulation of transcription from RNA polymerase II			
GO:0006357	Biological Process	promoter	2	22	0.024
GO:0006082	Biological Process	organic acid metabolic process	10	474	0.024
GO:0006752	Biological Process	group transfer coenzyme metabolic process	2	23	0.025
GO:0042180	Biological Process	cellular ketone metabolic process	10	480	0.026
GO:0051258	Biological Process	protein polymerization	2	24	0.027
		pyrimidine ribonucleoside monophosphate			
GO:0009174	Biological Process	biosynthetic process	1	2	0.03
		pyrimidine ribonucleoside monophosphate metabolic			
GO:0009173	Biological Process	process	1	2	0.03
GO:0006427	Biological Process	histidyl-tRNA aminoacylation	1	2	0.03
GO:0006420	Biological Process	arginyl-tRNA aminoacylation	1	2	0.03
GO:0046049	Biological Process	UMP metabolic process	1	2	0.03
GO:0006222	Biological Process	UMP biosynthetic process	1	2	0.03

GO:0006399	Biological Process	tRNA metabolic process	4	114	0.03
GO:0006520	Biological Process	cellular amino acid metabolic process	7	303	0.036
GO:0071451	Biological Process	cellular response to superoxide	1	3	0.039
GO:0000305	Biological Process	response to oxygen radical	1	3	0.039
GO:0000303	Biological Process	response to superoxide	1	3	0.039
GO:0000302	Biological Process	response to reactive oxygen species	1	3	0.039
GO:0051052	Biological Process	regulation of DNA metabolic process	1	3	0.039
GO:0007047	Biological Process	cellular cell wall organization	1	3	0.039
GO:0034614	Biological Process	cellular response to reactive oxygen species	1	3	0.039
GO:0034599	Biological Process	cellular response to oxidative stress	1	3	0.039
GO:0019430	Biological Process	removal of superoxide radicals	1	3	0.039
GO:0071450	Biological Process	cellular response to oxygen radical	1	3	0.039
GO:0045229	Biological Process	external encapsulating structure organization	1	3	0.039
GO:0010033	Biological Process	response to organic substance	2	30	0.04
GO:0046417	Biological Process	chorismate metabolic process	2	30	0.04
GO:0009719	Biological Process	response to endogenous stimulus	2	30	0.04
GO:0009073	Biological Process	aromatic amino acid family biosynthetic process	2	30	0.04
GO:0009725	Biological Process	response to hormone stimulus	2	30	0.04
GO:0006412	Biological Process	translation	11	595	0.041
GO:0033554	Biological Process	cellular response to stress	4	126	0.041
GO:0006519	Biological Process	cellular amino acid and derivative metabolic process	8	391	0.047
GO:0051716	Biological Process	cellular response to stimulus	4	132	0.047
GO:0007017	Biological Process	microtubule-based process	3	79	0.049
GO:0009130	Biological Process	pyrimidine nucleoside monophosphate biosynthetic process	1	4	0.049
GO:0009129	Biological Process	pyrimidine nucleoside monophosphate metabolic process	1	4	0.049
GO:0005249	Molecular Function	voltage-gated potassium channel activity	3	20	0.0015
GO:0022843	Molecular Function	voltage-gated cation channel activity	3	20	0.0015
GO:0005261	Molecular Function	cation channel activity	3	23	0.0021

GO:0005267	Molecular Function	potassium channel activity	3	23	0.0021
GO:0016765	Molecular Function	transferase activity, transferring alkyl or aryl (other than methyl) groups	4	52	0.0023
GO:0003849	Molecular Function	3-deoxy-7-phosphoheptulonate synthase activity	2	6	0.0027
GO:0022832	Molecular Function	voltage-gated channel activity	3	38	0.0079
GO:0005244	Molecular Function	voltage-gated ion channel activity	3	38	0.0079
GO:0005198	Molecular Function	structural molecule activity	11	462	0.0081
GO:0003702	Molecular Function	RNA polymerase II transcription factor activity	3	43	0.011
GO:0016874	Molecular Function	ligase activity	8	305	0.013
GO:0016455	Molecular Function	RNA polymerase II transcription mediator activity	2	18	0.017
GO:0070569	Molecular Function	uridylyltransferase activity	1	1	0.02
GO:0008108	Molecular Function	UDP-glucose:hexose-1-phosphate uridylyltransferase activity	1	1	0.02
GO:0004418	Molecular Function	hydroxymethylbilane synthase activity	1	1	0.02
GO:0004835	Molecular Function	tubulin-tyrosine ligase activity	1	1	0.02
GO:0050660	Molecular Function	FAD binding	5	156	0.023
GO:0022836	Molecular Function	gated channel activity	3	59	0.024
GO:0008026	Molecular Function	ATP-dependent helicase activity	4	107	0.025
GO:0070035	Molecular Function	purine NTP-dependent helicase activity	4	107	0.025
GO:0016251	Molecular Function	general RNA polymerase II transcription factor activity	2	23	0.025
GO:0016879	Molecular Function	ligase activity, forming carbon-nitrogen bonds	6	226	0.029
GO:0004158	Molecular Function	dihydroorotate oxidase activity	1	2	0.03
GO:0004814	Molecular Function	arginine-tRNA ligase activity	1	2	0.03
GO:0004360	Molecular Function	glutamine-fructose-6-phosphate transaminase (isomerizing) activity	1	2	0.03
GO:0004152	Molecular Function	dihydroorotate dehydrogenase activity	1	2	0.03
GO:0030272	Molecular Function	5-formyltetrahydrofolate cyclo-ligase activity	1	2	0.03
GO:0046522	Molecular Function	S-methyl-5-thioribose kinase activity	1	2	0.03
GO:0004821	Molecular Function	histidine-tRNA ligase activity	1	2	0.03

GO:0022838	Molecular Function	substrate-specific channel activity	3	69	0.035
GO:0015267	Molecular Function	channel activity	3	69	0.035
GO:0005216	Molecular Function	ion channel activity	3	69	0.035
GO:0022803	Molecular Function	passive transmembrane transporter activity	3	69	0.035
GO:0004791	Molecular Function	thioredoxin-disulfide reductase activity	1	3	0.039
GO:0004455	Molecular Function	ketol-acid reductoisomerase activity	1	3	0.039
GO:0008466	Molecular Function	glycogenin glucosyltransferase activity	1	3	0.039
GO:0008661	Molecular Function	1-deoxy-D-xylulose-5-phosphate synthase activity	1	3	0.039
GO:0016882	Molecular Function	cyclo-ligase activity	1	3	0.039
		oxidoreductase activity, acting on sulfur group of			
GO:0016667	Molecular Function	donors	3	75	0.043
GO:0030528	Molecular Function	transcription regulator activity	16	987	0.044
GO:0019843	Molecular Function	rRNA binding	2	32	0.045
		oxidoreductase activity, acting on single donors with			
		incorporation of molecular oxygen, incorporation of			
GO:0016702	Molecular Function	two atoms of oxygen	2	33	0.047
		hydrolase activity, acting on carbon-nitrogen (but not			
GO:0016813	Molecular Function	peptide) bonds, in linear amidines	1	4	0.049
GO:0004324	Molecular Function	ferredoxin-NADP ⁺ reductase activity	1	4	0.049
GO:0017150	Molecular Function	tRNA dihydrouridine synthase activity	1	4	0.049
GO:0003735	Molecular Function	structural constituent of ribosome	8	396	0.05
GO:0008076	Cellular Component	voltage-gated potassium channel complex	2	5	0.002
GO:0034705	Cellular Component	potassium channel complex	2	5	0.002
GO:0034702	Cellular Component	ion channel complex	2	5	0.002
GO:0034703	Cellular Component	cation channel complex	2	5	0.002
GO:0032991	Cellular Component	macromolecular complex	22	1207	0.0058
GO:0031226	Cellular Component	intrinsic to plasma membrane	2	10	0.0061
GO:0005887	Cellular Component	integral to plasma membrane	2	10	0.0061
GO:0005856	Cellular Component	cytoskeleton	4	71	0.0067
GO:0044459	Cellular Component	plasma membrane part	3	36	0.0068

GO:0005886	Cellular Component	plasma membrane	3	44	0.011
GO:0043234	Cellular Component	protein complex	14	706	0.013
GO:0034357	Cellular Component	photosynthetic membrane	4	89	0.014
GO:0005622	Cellular Component	intracellular	55	4116	0.015
GO:0044436	Cellular Component	thylakoid part	3	50	0.016
GO:0009579	Cellular Component	thylakoid	4	93	0.016
GO:0005654	Cellular Component	nucleoplasm	3	51	0.017
GO:0044451	Cellular Component	nucleoplasm part	3	51	0.017
GO:0016592	Cellular Component	mediator complex	2	18	0.017
GO:0031981	Cellular Component	nuclear lumen	3	56	0.021
GO:0019898	Cellular Component	extrinsic to membrane	2	22	0.024
GO:0005665	Cellular Component	DNA-directed RNA polymerase II, core complex	1	2	0.03
GO:0009654	Cellular Component	oxygen evolving complex	2	26	0.031
GO:0044464	Cellular Component	cell part	73	5945	0.031
GO:0005623	Cellular Component	cell	73	5945	0.031
GO:0005737	Cellular Component	cytoplasm	20	1263	0.032
GO:0070013	Cellular Component	intracellular organelle lumen	3	70	0.036
GO:0043233	Cellular Component	organelle lumen	3	70	0.036
GO:0009521	Cellular Component	photosystem	3	72	0.039
GO:0030054	Cellular Component	cell junction	1	3	0.039
GO:0009505	Cellular Component	plant-type cell wall	1	3	0.039
GO:0015630	Cellular Component	microtubule cytoskeleton	2	30	0.04
GO:0043229	Cellular Component	intracellular organelle	38	2859	0.046
GO:0043226	Cellular Component	organelle	38	2859	0.046

Genes in indica-rufipogon_SV

GO:0022900	Biological Process	electron transport chain	4	60	0.001
GO:0006800	Biological Process	oxygen and reactive oxygen species metabolic process	2	12	0.0041
GO:0006801	Biological Process	superoxide metabolic process	2	12	0.0041

GO:0045333	Biological Process	cellular respiration	3	48	0.0053
GO:0015980	Biological Process	energy derivation by oxidation of organic compounds	3	54	0.0073
GO:0015979	Biological Process	photosynthesis	4	115	0.0095
GO:0009767	Biological Process	photosynthetic electron transport chain	2	26	0.016
GO:0022904	Biological Process	respiratory electron transport chain	2	28	0.018
GO:0006425	Biological Process	glutaminyl-tRNA aminoacylation	1	2	0.021
GO:0042816	Biological Process	vitamin B6 metabolic process	1	2	0.021
GO:0042819	Biological Process	vitamin B6 biosynthetic process	1	2	0.021
GO:0008615	Biological Process	pyridoxine biosynthetic process	1	2	0.021
GO:0008614	Biological Process	pyridoxine metabolic process	1	2	0.021
GO:0071554	Biological Process	cell wall organization or biogenesis	4	148	0.022
GO:0043174	Biological Process	nucleoside salvage	1	3	0.027
GO:0019430	Biological Process	removal of superoxide radicals	1	3	0.027
GO:0006166	Biological Process	purine ribonucleoside salvage	1	3	0.027
GO:0000305	Biological Process	response to oxygen radical	1	3	0.027
GO:0000303	Biological Process	response to superoxide	1	3	0.027
GO:0000302	Biological Process	response to reactive oxygen species	1	3	0.027
GO:0071451	Biological Process	cellular response to superoxide	1	3	0.027
GO:0071450	Biological Process	cellular response to oxygen radical	1	3	0.027
GO:0034614	Biological Process	cellular response to reactive oxygen species	1	3	0.027
GO:0034599	Biological Process	cellular response to oxidative stress	1	3	0.027
GO:0006091	Biological Process	generation of precursor metabolites and energy	5	243	0.03
GO:0050821	Biological Process	protein stabilization	1	4	0.034
GO:0009775	Biological Process	photosynthetic electron transport in cytochrome b6/f	1	4	0.034
GO:0031647	Biological Process	regulation of protein stability	1	4	0.034
GO:0016998	Biological Process	cell wall macromolecule catabolic process	2	42	0.037
GO:0046129	Biological Process	purine ribonucleoside biosynthetic process	1	5	0.041
GO:0002437	Biological Process	inflammatory response to antigenic stimulus	1	5	0.041
GO:0042455	Biological Process	ribonucleoside biosynthetic process	1	5	0.041
GO:0019724	Biological Process	B cell mediated immunity	1	5	0.041

GO:0042451	Biological Process	purine nucleoside biosynthetic process	1	5	0.041
GO:0002449	Biological Process	lymphocyte mediated immunity	1	5	0.041
GO:0009163	Biological Process	nucleoside biosynthetic process	1	5	0.041
GO:0006954	Biological Process	inflammatory response	1	5	0.041
GO:0002526	Biological Process	acute inflammatory response	1	5	0.041
GO:0002252	Biological Process	immune effector process	1	5	0.041
GO:0002524	Biological Process	hypersensitivity	1	5	0.041
GO:0016064	Biological Process	immunoglobulin mediated immune response	1	5	0.041
GO:0002250	Biological Process	adaptive immune response	1	5	0.041
GO:0016068	Biological Process	type I hypersensitivity	1	5	0.041
		adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	1	5	0.041
GO:0002460	Biological Process	leukocyte mediated immunity	1	5	0.041
GO:0002443	Biological Process	acute inflammatory response to antigenic stimulus	1	5	0.041
GO:0002438	Biological Process	cell wall macromolecule metabolic process	2	45	0.042
GO:0044036	Biological Process	cellular protein metabolic process	28	2877	0.044
GO:0044267	Biological Process	photosynthesis, light reaction	2	47	0.045
GO:0019684	Biological Process	cellular response to chemical stimulus	1	6	0.048
GO:0070887	Biological Process	nucleoside metabolic process	2	49	0.049
GO:0009116	Biological Process	pyridoxal kinase activity	1	1	0.014
GO:0008478	Molecular Function	glutamine-tRNA ligase activity	1	2	0.021
GO:0004819	Molecular Function	S-methyl-5-thioribose kinase activity	1	2	0.021
GO:0046522	Molecular Function	adenosine kinase activity	1	2	0.021
GO:0004001	Molecular Function	thioredoxin-disulfide reductase activity	1	3	0.027
GO:0004791	Molecular Function	nucleoside kinase activity	1	3	0.027
GO:0019206	Molecular Function	phosphate binding	1	4	0.034
GO:0042301	Molecular Function	5S rRNA binding	1	4	0.034
GO:0008097	Molecular Function	anion binding	1	4	0.034
GO:0043168	Molecular Function	lactoylglutathione lyase activity	1	4	0.034
GO:0004462	Molecular Function				

GO:0008373	Molecular Function	sialyltransferase activity	1	5	0.041
GO:0005198	Molecular Function	structural molecule activity	7	462	0.045
GO:0004749	Molecular Function	ribose phosphate diphosphokinase activity	1	6	0.048
GO:0008725	Molecular Function	DNA-3-methyladenine glycosylase I activity	1	6	0.048
GO:0034357	Cellular Component	photosynthetic membrane	5	89	0.0005
GO:0009579	Cellular Component	thylakoid	5	93	0.00061
GO:0009521	Cellular Component	photosystem	4	72	0.0019
GO:0009523	Cellular Component	photosystem II	3	46	0.0048
GO:0044436	Cellular Component	thylakoid part	3	50	0.0059
GO:0019898	Cellular Component	extrinsic to membrane	2	22	0.012
GO:0009654	Cellular Component	oxygen evolving complex	2	26	0.016
GO:0032991	Cellular Component	macromolecular complex	14	1207	0.045
GO:0030173	Cellular Component	integral to Golgi membrane	1	6	0.048
GO:0031228	Cellular Component	intrinsic to Golgi membrane	1	6	0.048
GO:0012511	Cellular Component	monolayer-surrounded lipid storage body	1	6	0.048
GO:0005811	Cellular Component	lipid particle	1	6	0.048

Share genes in japonica-rufipogon comparision

GO:0006270	Biological Process	DNA replication initiation	1	8	0.006
GO:0006261	Biological Process	DNA-dependent DNA replication	1	17	0.012
GO:0006887	Biological Process	exocytosis	1	64	0.042
GO:0032940	Biological Process	secretion by cell	1	66	0.044
GO:0046903	Biological Process	secretion	1	66	0.044
GO:0046914	Molecular Function	transition metal ion binding	7	4875	0.028
GO:0008270	Molecular Function	zinc ion binding	6	3939	0.035
GO:0016758	Molecular Function	transferase activity, transferring hexosyl groups	2	489	0.041
GO:0005938	Cellular Component	cell cortex	1	56	0.037
GO:0000145	Cellular Component	exocyst	1	56	0.037
GO:0044448	Cellular Component	cell cortex part	1	56	0.037

Genes in japonica-rufipogon_SNP

GO:0006412	Biological Process	translation	14	595	0.0016
GO:0051651	Biological Process	maintenance of location in cell	2	5	0.0017
GO:0045185	Biological Process	maintenance of protein location	2	5	0.0017
GO:0006621	Biological Process	protein retention in ER lumen	2	5	0.0017
GO:0051235	Biological Process	maintenance of location	2	5	0.0017
GO:0032507	Biological Process	maintenance of protein location in cell	2	5	0.0017
GO:0006733	Biological Process	oxidoreduction coenzyme metabolic process	3	34	0.0047
GO:0006413	Biological Process	translational initiation	3	36	0.0055
GO:0065008	Biological Process	regulation of biological quality	6	176	0.0068
GO:0006352	Biological Process	transcription initiation	3	46	0.01
GO:0006461	Biological Process	protein complex assembly	4	94	0.013
GO:0070271	Biological Process	protein complex biogenesis	4	94	0.013
GO:0032313	Biological Process	regulation of Rab GTPase activity	2	19	0.016
GO:0032483	Biological Process	regulation of Rab protein signal transduction	2	19	0.016
GO:0032482	Biological Process	Rab protein signal transduction	2	19	0.016
GO:0065003	Biological Process	macromolecular complex assembly	5	169	0.022
GO:0022607	Biological Process	cellular component assembly	5	172	0.024
GO:0042221	Biological Process	response to chemical stimulus	7	301	0.024
GO:0006979	Biological Process	response to oxidative stress	5	174	0.025
GO:0046496	Biological Process	nicotinamide nucleotide metabolic process	2	25	0.025
GO:0009820	Biological Process	alkaloid metabolic process	2	25	0.025
GO:0006769	Biological Process	nicotinamide metabolic process	2	25	0.025
GO:0044267	Biological Process	cellular protein metabolic process	37	2877	0.025
GO:0019362	Biological Process	pyridine nucleotide metabolic process	2	27	0.029
GO:0043603	Biological Process	cellular amide metabolic process	2	28	0.031
GO:0050896	Biological Process	response to stimulus	16	1026	0.031
GO:0033554	Biological Process	cellular response to stress	4	126	0.032
GO:0043933	Biological Process	macromolecular complex subunit organization	5	190	0.034
GO:0006950	Biological Process	response to stress	14	873	0.035

GO:0007088	Biological Process	regulation of mitosis	1	3	0.036
GO:0042450	Biological Process	arginine biosynthetic process via ornithine	1	3	0.036
GO:0051783	Biological Process	regulation of nuclear division	1	3	0.036
GO:0000305	Biological Process	response to oxygen radical	1	3	0.036
GO:0006591	Biological Process	ornithine metabolic process	1	3	0.036
GO:0000303	Biological Process	response to superoxide	1	3	0.036
GO:0000302	Biological Process	response to reactive oxygen species	1	3	0.036
GO:0071450	Biological Process	cellular response to oxygen radical	1	3	0.036
GO:0034614	Biological Process	cellular response to reactive oxygen species	1	3	0.036
GO:0034599	Biological Process	cellular response to oxidative stress	1	3	0.036
GO:0071451	Biological Process	cellular response to superoxide	1	3	0.036
GO:0019430	Biological Process	removal of superoxide radicals	1	3	0.036
GO:0030071	Biological Process	regulation of mitotic metaphase/anaphase transition	1	3	0.036
GO:0007091	Biological Process	mitotic metaphase/anaphase transition	1	3	0.036
GO:0051716	Biological Process	cellular response to stimulus	4	132	0.037
GO:0010564	Biological Process	regulation of cell cycle process	1	4	0.045
GO:0051726	Biological Process	regulation of cell cycle	1	4	0.045
GO:0007346	Biological Process	regulation of mitotic cell cycle	1	4	0.045
GO:0032318	Biological Process	regulation of Ras GTPase activity	2	35	0.045
GO:0030243	Biological Process	cellulose metabolic process	2	36	0.047
GO:0030244	Biological Process	cellulose biosynthetic process	2	36	0.047
GO:0055114	Biological Process	oxidation reduction	19	1351	0.048
GO:0032259	Biological Process	methylation	2	37	0.05
GO:0046923	Molecular Function	ER retention sequence binding	2	5	0.0017
GO:0005048	Molecular Function	signal sequence binding	2	6	0.0023
GO:0042277	Molecular Function	peptide binding	2	6	0.0023
GO:0005083	Molecular Function	small GTPase regulator activity	4	62	0.0032
GO:0030695	Molecular Function	GTPase regulator activity	4	63	0.0034
GO:0003735	Molecular Function	structural constituent of ribosome	10	396	0.0045
GO:0060589	Molecular Function	nucleoside-triphosphatase regulator activity	4	70	0.0048

GO:0003743	Molecular Function	translation initiation factor activity	3	38	0.0063
GO:0031625	Molecular Function	ubiquitin protein ligase binding	2	13	0.0081
GO:0047800	Molecular Function	cysteamine dioxygenase activity	2	13	0.0081
GO:0005089	Molecular Function	Rho guanyl-nucleotide exchange factor activity	2	13	0.0081
GO:0005088	Molecular Function	Ras guanyl-nucleotide exchange factor activity	2	13	0.0081
GO:0019899	Molecular Function	enzyme binding	2	14	0.0092
GO:0004650	Molecular Function	polygalacturonase activity	3	45	0.0097
GO:0005198	Molecular Function	structural molecule activity	10	462	0.012
GO:0016209	Molecular Function	antioxidant activity	6	203	0.013
GO:0005099	Molecular Function	Ras GTPase activator activity	2	19	0.016
GO:0005097	Molecular Function	Rab GTPase activator activity	2	19	0.016
GO:0005085	Molecular Function	guanyl-nucleotide exchange factor activity	2	19	0.016
GO:0050660	Molecular Function	FAD binding	5	156	0.017
GO:0004514	Molecular Function	nicotinate-nucleotide diphosphorylase (carboxylating) activity	1	1	0.018
GO:0050486	Molecular Function	intramolecular transferase activity, transferring hydroxy groups	1	1	0.018
GO:0008909	Molecular Function	isochorismate synthase activity	1	1	0.018
GO:0000166	Molecular Function	nucleotide binding	48	3874	0.02
GO:0001882	Molecular Function	nucleoside binding	41	3257	0.026
GO:0042085	Molecular Function	5-methyltetrahydropteroyltri-L-glutamate-dependent methyltransferase activity	1	2	0.027
GO:0003871	Molecular Function	5-methyltetrahydropteroyltriglutamate-homocysteine S-methyltransferase activity	1	2	0.027
GO:0008425	Molecular Function	2-polyprenyl-6-methoxy-1,4-benzoquinone methyltransferase activity	1	2	0.027
GO:0008169	Molecular Function	C-methyltransferase activity	1	2	0.027
GO:0030580	Molecular Function	quinone cofactor methyltransferase activity	1	2	0.027
GO:0004601	Molecular Function	peroxidase activity	5	181	0.029
GO:0016684	Molecular Function	oxidoreductase activity, acting on peroxide as acceptor	5	181	0.029

GO:0008135	Molecular Function	translation factor activity, nucleic acid binding	3	75	0.035
GO:0003896	Molecular Function	DNA primase activity	1	3	0.036
GO:0004791	Molecular Function	thioredoxin-disulfide reductase activity	1	3	0.036
GO:0004056	Molecular Function	argininosuccinate lyase activity	1	3	0.036
GO:0001883	Molecular Function	purine nucleoside binding	40	3247	0.037
GO:0030554	Molecular Function	adenyl nucleotide binding	40	3247	0.037
GO:0017076	Molecular Function	purine nucleotide binding	42	3456	0.039
GO:0016760	Molecular Function	cellulose synthase (UDP-forming) activity	2	33	0.041
GO:0016759	Molecular Function	cellulose synthase activity	2	33	0.041
		oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen	2	33	0.041
GO:0016702	Molecular Function	catalase activity	1	4	0.045
GO:0004096	Molecular Function	ferredoxin-NADP+ reductase activity	1	4	0.045
GO:0004324	Molecular Function	amidine-lyase activity	1	4	0.045
GO:0016842	Molecular Function	6-phosphogluconolactonase activity	1	4	0.045
GO:0017057	Molecular Function	GTPase activator activity	2	35	0.045
GO:0005096	Molecular Function	dioxygenase activity	2	37	0.05
GO:0051213	Molecular Function	ribosome	10	397	0.0046
GO:0005840	Cellular Component	cullin-RING ubiquitin ligase complex	2	13	0.0081
GO:0031461	Cellular Component	ribonucleoprotein complex	10	438	0.0087
GO:0030529	Cellular Component	macromolecular complex	20	1207	0.0095
GO:0032991	Cellular Component	thylakoid membrane	2	23	0.022
GO:0042651	Cellular Component	transcription factor TFIIE complex	1	2	0.027
GO:0005673	Cellular Component	cell part	68	5945	0.029
GO:0044464	Cellular Component	cell	68	5945	0.029
GO:0005623	Cellular Component	nuclear ubiquitin ligase complex	1	3	0.036
GO:0000152	Cellular Component	anaphase-promoting complex	1	3	0.036
GO:0005680	Cellular Component	ribosomal subunit	3	82	0.044
GO:0033279	Cellular Component				

Genes in japonica-rufipogon_SV

GO:0043413	Biological Process	macromolecule glycosylation	5	60	0.0071
GO:0006486	Biological Process	protein amino acid glycosylation	5	60	0.0071
GO:0070085	Biological Process	glycosylation	5	60	0.0071
GO:0009100	Biological Process	glycoprotein metabolic process	5	60	0.0071
GO:0009101	Biological Process	glycoprotein biosynthetic process	5	60	0.0071
GO:0006520	Biological Process	cellular amino acid metabolic process	12	303	0.015
GO:0016070	Biological Process	RNA metabolic process	31	1088	0.018
GO:0006563	Biological Process	L-serine metabolic process	3	28	0.019
GO:0006519	Biological Process	cellular amino acid and derivative metabolic process	14	391	0.02
GO:0016138	Biological Process	glycoside biosynthetic process	3	31	0.025
GO:0046351	Biological Process	disaccharide biosynthetic process	3	31	0.025
GO:0006901	Biological Process	vesicle coating	2	12	0.027
GO:0006900	Biological Process	membrane budding	2	12	0.027
GO:0048268	Biological Process	clathrin coat assembly	2	12	0.027
GO:0006355	Biological Process	regulation of transcription, DNA-dependent	22	737	0.027
GO:0051252	Biological Process	regulation of RNA metabolic process	22	740	0.028
GO:0044106	Biological Process	cellular amine metabolic process	12	333	0.028
GO:0009312	Biological Process	oligosaccharide biosynthetic process	3	33	0.029
GO:0016192	Biological Process	vesicle-mediated transport	8	186	0.029
GO:0016050	Biological Process	vesicle organization	2	13	0.031
GO:0071669	Biological Process	plant-type cell wall organization or biogenesis	3	34	0.031
GO:0009664	Biological Process	plant-type cell wall organization	3	34	0.031
GO:0034622	Biological Process	cellular macromolecular complex assembly	6	121	0.031
GO:0009308	Biological Process	amine metabolic process	13	380	0.033
GO:0051179	Biological Process	localization	42	1651	0.034
GO:0045449	Biological Process	regulation of transcription	39	1513	0.034
GO:0019219	Biological Process	regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	39	1520	0.036
GO:0051171	Biological Process	regulation of nitrogen compound metabolic process	39	1520	0.036

GO:0044262	Biological Process	cellular carbohydrate metabolic process	13	385	0.036
GO:0009075	Biological Process	histidine family amino acid metabolic process	2	15	0.039
GO:0006547	Biological Process	histidine metabolic process	2	15	0.039
GO:0009069	Biological Process	serine family amino acid metabolic process	3	39	0.043
GO:0061024	Biological Process	membrane organization	3	39	0.043
GO:0016044	Biological Process	cellular membrane organization	3	39	0.043
GO:0051234	Biological Process	establishment of localization	41	1638	0.044
GO:0006810	Biological Process	transport	41	1638	0.044
GO:0006525	Biological Process	arginine metabolic process	2	17	0.048
GO:0009064	Biological Process	glutamine family amino acid metabolic process	3	41	0.048
GO:0006351	Biological Process	transcription, DNA-dependent	22	786	0.048
GO:0031497	Biological Process	chromatin assembly	4	70	0.049
GO:0006334	Biological Process	nucleosome assembly	4	70	0.049
GO:0065004	Biological Process	protein-DNA complex assembly	4	70	0.049
GO:0034728	Biological Process	nucleosome organization	4	70	0.049
GO:0032774	Biological Process	RNA biosynthetic process	22	788	0.049
GO:0045735	Molecular Function	nutrient reservoir activity	7	77	0.00096
GO:0030145	Molecular Function	manganese ion binding	6	58	0.0012
GO:0016757	Molecular Function	transferase activity, transferring glycosyl groups	21	595	0.0059
GO:0008378	Molecular Function	galactosyltransferase activity	4	43	0.011
GO:0000166	Molecular Function	nucleotide binding	90	3874	0.022
GO:0046873	Molecular Function	metal ion transmembrane transporter activity	6	112	0.023
GO:0005515	Molecular Function	protein binding	60	2460	0.026
GO:0005545	Molecular Function	phosphatidylinositol binding	2	12	0.027
GO:0030276	Molecular Function	clathrin binding	2	12	0.027
GO:0010181	Molecular Function	FMN binding	3	35	0.033
GO:0003879	Molecular Function	ATP phosphoribosyltransferase activity	1	1	0.037
GO:0051020	Molecular Function	GTPase binding	1	1	0.037
GO:0004514	Molecular Function	nicotinate-nucleotide diphosphorylase (carboxylating) activity	1	1	0.037

GO:0008685	Molecular Function	2-C-methyl-D-erythritol 2,4-cyclodiphosphate synthase activity	1	1	0.037
GO:0003825	Molecular Function	alpha,alpha-trehalose-phosphate synthase (UDP-forming) activity	1	1	0.037
GO:0005576	Cellular Component	extracellular region	14	251	0.00047
GO:0005801	Cellular Component	cis-Golgi network	2	4	0.0049
GO:0048046	Cellular Component	apoplast	6	95	0.011
GO:0044431	Cellular Component	Golgi apparatus part	4	50	0.018
GO:0005794	Cellular Component	Golgi apparatus	4	56	0.025
GO:0030118	Cellular Component	clathrin coat	3	32	0.027
GO:0048475	Cellular Component	coated membrane	4	59	0.03
GO:0030117	Cellular Component	membrane coat	4	59	0.03
GO:0000786	Cellular Component	nucleosome	4	63	0.036
GO:0032993	Cellular Component	protein-DNA complex	4	63	0.036
GO:0030870	Cellular Component	Mre11 complex	1	1	0.037

Shared genes in indica-japonica comparision

GO:0006887	Biological Process	exocytosis	1	64	0.027
GO:0032940	Biological Process	secretion by cell	1	66	0.027
GO:0046903	Biological Process	secretion	1	66	0.027
GO:0051246	Biological Process	regulation of protein metabolic process	1	106	0.044
GO:0070001	Molecular Function	aspartic-type peptidase activity	2	607	0.025
GO:0004190	Molecular Function	aspartic-type endopeptidase activity	2	607	0.025
GO:0046914	Molecular Function	transition metal ion binding	5	4875	0.035
GO:0004175	Molecular Function	endopeptidase activity	2	856	0.047
GO:0005938	Cellular Component	cell cortex	1	56	0.023
GO:0000145	Cellular Component	exocyst	1	56	0.023
GO:0044448	Cellular Component	cell cortex part	1	56	0.023

Genes in indica-japonica_SNP

GO:0051179	Biological Process	localization	31	1651	0.0027
GO:0030001	Biological Process	metal ion transport	8	214	0.003
GO:0051234	Biological Process	establishment of localization	30	1638	0.0045
GO:0006810	Biological Process	transport	30	1638	0.0045
GO:0045449	Biological Process	regulation of transcription	28	1513	0.0053
GO:0019219	Biological Process	regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	28	1520	0.0056
GO:0051171	Biological Process	regulation of nitrogen compound metabolic process	28	1520	0.0056
GO:0065007	Biological Process	biological regulation	36	2125	0.0065
GO:0080090	Biological Process	regulation of primary metabolic process	29	1626	0.0074
GO:0071669	Biological Process	plant-type cell wall organization or biogenesis	3	34	0.0075
GO:0009664	Biological Process	plant-type cell wall organization	3	34	0.0075
GO:0009889	Biological Process	regulation of biosynthetic process	28	1564	0.0081
GO:0010556	Biological Process	regulation of macromolecule biosynthetic process	28	1564	0.0081
GO:0031326	Biological Process	regulation of cellular biosynthetic process	28	1564	0.0081
GO:0060255	Biological Process	regulation of macromolecule metabolic process	29	1640	0.0083
GO:0010468	Biological Process	regulation of gene expression	28	1577	0.009
GO:0050789	Biological Process	regulation of biological process	34	2027	0.0094
GO:0050794	Biological Process	regulation of cellular process	33	1955	0.0096
GO:0006901	Biological Process	vesicle coating	2	12	0.0098
GO:0006900	Biological Process	membrane budding	2	12	0.0098
GO:0048268	Biological Process	clathrin coat assembly	2	12	0.0098
GO:0019222	Biological Process	regulation of metabolic process	29	1664	0.01
GO:0031323	Biological Process	regulation of cellular metabolic process	28	1593	0.01
GO:0010467	Biological Process	gene expression	39	2424	0.01
GO:0016050	Biological Process	vesicle organization	2	13	0.011
GO:0055085	Biological Process	transmembrane transport	15	701	0.012
GO:0034622	Biological Process	cellular macromolecular complex assembly	5	121	0.012
GO:0006350	Biological Process	transcription	28	1629	0.013
GO:0071555	Biological Process	cell wall organization	4	83	0.015

GO:0006812	Biological Process	cation transport	9	348	0.016
GO:0046488	Biological Process	phosphatidylinositol metabolic process	2	18	0.02
		cellular macromolecular complex subunit organization	5	142	0.022
GO:0034621	Biological Process	RNA metabolic process	19	1088	0.033
GO:0016070	Biological Process	ion transport	9	408	0.039
GO:0006811	Biological Process	macromolecular complex assembly	5	169	0.042
GO:0065003	Biological Process	L-serine metabolic process	2	28	0.042
GO:0006563	Biological Process	arginine biosynthetic process via ornithine	1	3	0.043
GO:0006591	Biological Process	ornithine metabolic process	1	3	0.043
GO:0006434	Biological Process	seryl-tRNA aminoacylation	1	3	0.043
GO:0022607	Biological Process	cellular component assembly	5	172	0.044
GO:0034728	Biological Process	nucleosome organization	3	70	0.045
GO:0065004	Biological Process	protein-DNA complex assembly	3	70	0.045
GO:0031497	Biological Process	chromatin assembly	3	70	0.045
GO:0006334	Biological Process	nucleosome assembly	3	70	0.045
GO:0006323	Biological Process	DNA packaging	3	71	0.047
GO:0030145	Molecular Function	manganese ion binding	6	58	6.80E-05
GO:0045735	Molecular Function	nutrient reservoir activity	6	77	0.00029
GO:0046873	Molecular Function	metal ion transmembrane transporter activity	6	112	0.0018
GO:0005545	Molecular Function	phosphatidylinositol binding	2	12	0.0098
GO:0030276	Molecular Function	clathrin binding	2	12	0.0098
GO:0005515	Molecular Function	protein binding	39	2460	0.013
GO:0008324	Molecular Function	cation transmembrane transporter activity	8	280	0.014
GO:0016307	Molecular Function	phosphatidylinositol phosphate kinase activity	2	18	0.02
GO:0051020	Molecular Function	GTPase binding	1	1	0.022
GO:0008685	Molecular Function	2-C-methyl-D-erythritol 2,4-cyclodiphosphate synthase activity	1	1	0.022
GO:0004514	Molecular Function	nicotinate-nucleotide diphosphorylase (carboxylating) activity	1	1	0.022

GO:0003825	Molecular Function	alpha,alpha-trehalose-phosphate synthase (UDP-forming) activity	1	1	0.022
GO:0001727	Molecular Function	lipid kinase activity	2	20	0.023
GO:0005249	Molecular Function	voltage-gated potassium channel activity	2	20	0.023
GO:0035091	Molecular Function	phosphoinositide binding	2	20	0.023
GO:0022843	Molecular Function	voltage-gated cation channel activity	2	20	0.023
GO:0005267	Molecular Function	potassium channel activity	2	23	0.03
GO:0005261	Molecular Function	cation channel activity	2	23	0.03
GO:0016853	Molecular Function	isomerase activity	5	161	0.035
GO:0004828	Molecular Function	serine-tRNA ligase activity	1	3	0.043
GO:0016849	Molecular Function	phosphorus-oxygen lyase activity	1	3	0.043
GO:0008897	Molecular Function	holo-[acyl-carrier-protein] synthase activity	1	3	0.043
GO:0004421	Molecular Function	hydroxymethylglutaryl-CoA synthase activity	1	3	0.043
GO:0004056	Molecular Function	argininosuccinate lyase activity	1	3	0.043
GO:0004619	Molecular Function	phosphoglycerate mutase activity	1	3	0.043
GO:0004437	Molecular Function	inositol or phosphatidylinositol phosphatase activity	2	29	0.044
GO:0016859	Molecular Function	cis-trans isomerase activity	2	29	0.044
GO:0003755	Molecular Function	peptidyl-prolyl cis-trans isomerase activity	2	29	0.044
GO:0030528	Molecular Function	transcription regulator activity	17	987	0.047
GO:0004428	Molecular Function	inositol or phosphatidylinositol kinase activity	2	31	0.05
GO:0048046	Cellular Component	apoplast	6	95	0.00082
GO:0005576	Cellular Component	extracellular region	9	251	0.0022
GO:0044464	Cellular Component	cell part	84	5945	0.0056
GO:0005623	Cellular Component	cell	84	5945	0.0056
GO:0030118	Cellular Component	clathrin coat	3	32	0.0064
GO:0016020	Cellular Component	membrane	33	2115	0.027
GO:0032991	Cellular Component	macromolecular complex	21	1207	0.027
GO:0048475	Cellular Component	coated membrane	3	59	0.03
GO:0030117	Cellular Component	membrane coat	3	59	0.03
GO:0000786	Cellular Component	nucleosome	3	63	0.035

GO:0032993	Cellular Component	protein-DNA complex	3	63	0.035
Genes in indica-japonica_SV					
GO:0043413	Biological Process	macromolecule glycosylation	5	60	4.00E-05
GO:0009100	Biological Process	glycoprotein metabolic process	5	60	4.00E-05
GO:0006486	Biological Process	protein amino acid glycosylation	5	60	4.00E-05
GO:0009101	Biological Process	glycoprotein biosynthetic process	5	60	4.00E-05
GO:0070085	Biological Process	glycosylation	5	60	4.00E-05
GO:0044262	Biological Process	cellular carbohydrate metabolic process	8	385	0.0023
GO:0055114	Biological Process	oxidation reduction	15	1351	0.014
GO:0016138	Biological Process	glycoside biosynthetic process	2	31	0.016
GO:0046351	Biological Process	disaccharide biosynthetic process	2	31	0.016
GO:0006421	Biological Process	asparaginyl-tRNA aminoacylation	1	2	0.017
GO:0009312	Biological Process	oligosaccharide biosynthetic process	2	33	0.018
GO:0071451	Biological Process	cellular response to superoxide	1	3	0.023
GO:0019430	Biological Process	removal of superoxide radicals	1	3	0.023
GO:0000305	Biological Process	response to oxygen radical	1	3	0.023
GO:0000303	Biological Process	response to superoxide	1	3	0.023
GO:0000302	Biological Process	response to reactive oxygen species	1	3	0.023
GO:0071450	Biological Process	cellular response to oxygen radical	1	3	0.023
GO:0034614	Biological Process	cellular response to reactive oxygen species	1	3	0.023
GO:0005986	Biological Process	sucrose biosynthetic process	1	3	0.023
GO:0034599	Biological Process	cellular response to oxidative stress	1	3	0.023
GO:0016192	Biological Process	vesicle-mediated transport	4	186	0.026
GO:0005975	Biological Process	carbohydrate metabolic process	10	833	0.027
GO:0005984	Biological Process	disaccharide metabolic process	2	44	0.03
GO:0016137	Biological Process	glycoside metabolic process	2	44	0.03
GO:0009311	Biological Process	oligosaccharide metabolic process	2	47	0.034
GO:0051649	Biological Process	establishment of localization in cell	5	299	0.034
GO:0042221	Biological Process	response to chemical stimulus	5	301	0.035

GO:0006422	Biological Process	aspartyl-tRNA aminoacylation	1	5	0.035
GO:0006750	Biological Process	glutathione biosynthetic process	1	5	0.035
GO:0045333	Biological Process	cellular respiration	2	48	0.035
GO:0044272	Biological Process	sulfur compound biosynthetic process	2	48	0.035
GO:0051641	Biological Process	cellular localization	5	309	0.038
GO:0070887	Biological Process	cellular response to chemical stimulus	1	6	0.04
		mitochondrial electron transport, ubiquinol to cytochrome c	1	6	0.04
GO:0006122	Biological Process	mitochondrial ATP synthesis coupled electron transport	1	6	0.04
GO:0042775	Biological Process	D-ribose metabolic process	1	6	0.04
GO:0006014	Biological Process	cellular response to stress	3	126	0.04
GO:0033554	Biological Process	response to stimulus	11	1026	0.042
GO:0050896	Biological Process	energy derivation by oxidation of organic compounds	2	54	0.043
GO:0015980	Biological Process	cellular response to stimulus	3	132	0.045
GO:0051716	Biological Process	glutathione metabolic process	1	7	0.046
GO:0006749	Biological Process	galactosyltransferase activity	4	43	0.00017
GO:0008378	Molecular Function	oxidoreductase activity	19	1672	0.0047
GO:0016491	Molecular Function	asparagine-tRNA ligase activity	1	2	0.017
GO:0004816	Molecular Function	glutamate-cysteine ligase activity	1	2	0.017
GO:0004357	Molecular Function	FMN binding	2	35	0.02
GO:0010181	Molecular Function	thioredoxin-disulfide reductase activity	1	3	0.023
GO:0004791	Molecular Function	folic acid binding	1	3	0.023
GO:0005542	Molecular Function	sucrose-phosphatase activity	1	3	0.023
GO:0050307	Molecular Function	transferase activity, transferring glycosyl groups	8	595	0.026
GO:0016757	Molecular Function	aspartate-tRNA ligase activity	1	5	0.035
GO:0004815	Molecular Function	sialyltransferase activity	1	5	0.035
GO:0008373	Molecular Function	serine O-acetyltransferase activity	1	6	0.04
GO:0009001	Molecular Function	serine O-acyltransferase activity	1	6	0.04
GO:0016412	Molecular Function	ribokinase activity	1	6	0.04
GO:0004747	Molecular Function				

GO:0008964	Molecular Function	phosphoenolpyruvate carboxylase activity	1	7	0.046
GO:0016413	Molecular Function	O-acetyltransferase activity	1	7	0.046
GO:0044431	Cellular Component	Golgi apparatus part	3	50	0.0037
GO:0005576	Cellular Component	extracellular region	6	251	0.0042
GO:0005794	Cellular Component	Golgi apparatus	3	56	0.005
GO:0030870	Cellular Component	Mre11 complex	1	1	0.012
GO:0000139	Cellular Component	Golgi membrane	2	29	0.014
GO:0012505	Cellular Component	endomembrane system	3	104	0.025
GO:0005801	Cellular Component	cis-Golgi network	1	4	0.029
GO:0030173	Cellular Component	integral toGolgi membrane	1	6	0.04
GO:0031228	Cellular Component	intrinsic toGolgi membrane	1	6	0.04
GO:0000808	Cellular Component	origin recognition complex	1	6	0.04
GO:0000145	Cellular Component	exocyst	2	56	0.046
GO:0044448	Cellular Component	cell cortex part	2	56	0.046
GO:0005938	Cellular Component	cell cortex	2	56	0.046

Table S5. Previously identified putative domestication or improvement genes with their ID, function and % ranking in D_{xy} windows. D_{xy} (i-r) refers to D_{xy} between indica and rufipogon, with additional columns for japonica-rufipogon (j-r) and indica-japonica (i-j). Cells are colored as to whether the gene is in a 1% peak (dark grey), a 10% peak (medium gray), or an extreme valley ($\geq 90\%$) (light grey) based on either SNPs or SVs.

Locus	Gene ID (MSU7 / IRGSP1.0)	Function	D_{xy} (i-r)		D_{xy} (j-r)		D_{xy} (i-j)	
			SNPs	SVs	SNPs	SVs	SNPs	SVs
<i>Sh4</i>	LOC_Os04g57530 / Os04g0670900	Shattering	24.07	88.09	61.21	81.00	89.36	74.12
<i>qSW5</i>	LOC_Os05g09520 / Os05g0187500	Grain width	19.02	19.82	38.08	18.82	68.32	20.30
<i>qSH1</i>	LOC_Os01g62920 / Os01g0848400	Shattering	45.92	84.67	6.21	81.82	5.28	82.79
<i>Sd1</i>	LOC_Os01g66100 / Os01g0883800	Semi-dwarfing	21.83	78.68	7.31	77.01	5.58	69.68
<i>Wx</i>	LOC_Os06g04200 / Os06g0133000	Grain quality	21.51	66.27	12.91	66.29	12.96	82.72
<i>Badh2.1</i>	LOC_Os04g39020 / Os04g0464200	Flavor fragrance	36.96	63.96	15.31	75.23	47.13	61.11
<i>Rc</i>	LOC_Os07g11020 / Os07g0211500	Red pericarp	7.32	54.75	14.46	47.00	67.41	79.92
	LOC_Os04g38660 / Os04g0460200,							
<i>Bh4</i>	LOC_Os04g38670 / Os04g0460200,	Hull color	0.48	54.23	1.47	47.47	98.55	81.02
	LOC_Os04g38680 / Os04g0460300							
<i>PROG1</i>	LOC_Os07g05900 / Os07g0153600	Plant Architecture, tiller angle	43.95	54.96	68.04	51.03	94.42	99.95

<i>OsCl</i>	LOC_Os06g10350 / Os06g0205100	Leaf sheath color & apiculus color	4.18	60.34	9.32	54.98	79.36	53.58
<i>TAC1</i>	LOC_Os09g35980 / Os09g0529300	Tiller angle	37.02	98.00	2.25	94.25	2.82	94.95
<i>Dwarf4</i>	LOC_Os03g12660 / Os03g0227700	Leaf architecture	3.31	23.98	26.26	27.89	2.05	13.07
<i>SAG13</i>	LOC_Os03g16230 / Os03g0269100	Senesence	23.55	55.78	7.47	50.90	17.80	43.90
<i>TB1</i>	LOC_Os03g49880 / Os03g0706500	Tillering	7.11	86.91	13.88	88.26	1.70	82.09
<i>Sh1</i>	LOC_Os03g44710 / Os03g0650000	Shattering	5.82	25.67	14.29	20.50	99.32	70.96

Table S6. Previously identified putative domestication or improvement genes with their ID, function and % ranking in F_{ST} windows between the indica and japonica sample based on either SNPs or SVs. Cells are colored as to whether the gene is in a top 1% peak (dark grey), a top 10% peak (medium gray), or an extreme valley ($\geq 90\%$) (light grey).

Locus	Gene ID (MSU7 / IRGSP1.0)	Function	F_{ST} (indica-japonica)	
			SNPs	SVs
<i>Sh4</i>	LOC_Os04g57530 / Os04g0670900	Shattering	84.38	19.37
<i>qSW5</i>	LOC_Os05g09520 / Os05g0187500	Grain width	88.45	47.86
<i>qSH1</i>	LOC_Os01g62920 / Os01g0848400	Shattering	15.63	82.11
<i>Sdl</i>	LOC_Os01g66100 / Os01g0883800	Semi-dwarfing	8.96	5.83
<i>Wx</i>	LOC_Os06g04200 / Os06g0133000	Grain quality	28.25	93.72
<i>Badh2.1</i>	LOC_Os04g39020 / Os04g0464200	Flavor or fragrance	74.36	24.49
<i>Rc</i>	LOC_Os07g11020 / Os07g0211500	Red pericarp	56.27	59.57
<i>Bh4</i>	LOC_Os04g38660 / Os04g0460200, LOC_Os04g38670 / Os04g0460200, LOC_Os04g38680 / Os04g0460300	Hull color	97.36	50.66
<i>PROG1</i>	LOC_Os07g05900 / Os07g0153600	Plant Architecture, tiller angle	90.09	42.10
<i>OsCl</i>	LOC_Os06g10350 / Os06g0205100	Leaf sheath color & apiculus color	88.70	57.16
<i>TAC1</i>	LOC_Os09g35980 / Os09g0529300	Tiller angle	19.78	90.34
<i>Dwarf4</i>	LOC_Os03g12660 / Os03g0227700	Leaf architecture	2.39	0.63
<i>SAG13</i>	LOC_Os03g16230 / Os03g0269100	Senesence	35.85	3.55

<i>TB1</i>	LOC_Os03g49880 / Os03g0706500	Tillering	0.13	66.59
<i>Sh1</i>	LOC_Os03g44710 / Os03g0650000	Shattering	73.87	47.69

Table S7. List of genes within the windows that were top 1% by CLR, as identified by SweeD, for both SNPs and SVs.

Gene ID (MSU7 / IRGSP1.0)	Function annotation
Shared genes in indica_SNP-SV comparison (only one overlapping window)	
1 LOC_Os01g72400 / None	retrotransposon protein, putative, Ty1-copia subclass, expressed
2 LOC_Os02g12140 / None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
3 LOC_Os02g25290 / None	retrotransposon protein, putative, unclassified, expressed
Shared genes in japonica_SNP-SV (ten overlapping windows)	
1 LOC_Os01g01100 / None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
2 LOC_Os01g02629 / None	retrotransposon protein, putative, unclassified, expressed
3 LOC_Os01g09110 / None	retrotransposon protein, putative, unclassified
4 LOC_Os01g18020 / None	retrotransposon protein, putative, unclassified
5 LOC_Os01g27070 / Os01g0368500	expressed protein
6 LOC_Os01g36740 / Os01g0548000	expressed protein
7 LOC_Os01g36760 / Os01g0548000	expressed protein
8 LOC_Os01g36790 / Os01g0548600 and Os01g0548750	TKL_IRAK_DUF26-lf 2 - DUF26 kinases have homology to DUF26 containing loci, expressed
9 LOC_Os01g40120 / Os01g0583300	expressed protein
10 LOC_Os01g52910 / Os01g0729800	expressed protein
11 LOC_Os01g58049 / None	photosystem I assembly protein ycf4, putative, expressed
12 LOC_Os01g63040 / Os01g08499000	expressed protein
13 LOC_Os04g28520 / Os04g0353600	male sterility protein, putative, expressed
14 LOC_Os04g28530 / None	expressed protein
15 LOC_Os04g28540 / None	expressed protein
16 LOC_Os07g17460 / Os07g0276000	OsFBL36 - F-box domain and LRR containing protein, expressed
17 LOC_Os07g17560 / Os07g0277200	expressed protein
Shared genes in rufipogon_SNP-SV (two overlapping windows)	
1 LOC_Os02g05210 / None	retrotransposon protein, putative, unclassified, expressed
2 LOC_Os10g22039 / Os10g0364600	mitochondrial import inner membrane translocase subunit Tim17, putative, expressed

and Os10g0364700

Table S8. Functional annotation of genes from potentially selective regions (top 1% CLR) identified by SweeD.

Gene ID (MSU7)	Gene ID (IRGSP1.0)	Function annotation
Genes in indica_SNP CLR		
LOC_Os01g01200	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01430	Os01g0104200	No apical meristem protein, putative, expressed
LOC_Os01g01450	Os01g0104400	stress responsive protein, putative, expressed
LOC_Os01g01470	Os01g0104500	no apical meristem protein, putative, expressed
LOC_Os01g02240	None	transposon protein, putative, unclassified, expressed
LOC_Os01g02860	Os01g0117800	expressed protein
LOC_Os01g02910	Os01g0118600	glycosyltransferase, putative, expressed
LOC_Os01g03240	None	conserved hypothetical protein
LOC_Os01g03720	Os01g0128000	MYB family transcription factor, putative, expressed
LOC_Os01g03770	None	hypothetical protein
LOC_Os01g03830	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g03860	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g04000	Os01g0131200	hypothetical protein
LOC_Os01g04730	Os01g0140500	ribosomal protein L24, putative, expressed
LOC_Os01g05320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g06240	Os01g0155200	protein kinase, putative, expressed
LOC_Os01g06610	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g07970	Os01g0175100	expressed protein
LOC_Os01g08020	Os01g0175600, Os01g0175700	boron transporter protein, putative, expressed
LOC_Os01g08850	Os01g0184000	expressed protein
LOC_Os01g08860	Os01g0184100	hsp20/alpha crystallin family protein, putative, expressed
LOC_Os01g08870	None	expressed protein
LOC_Os01g08880	Os01g0184200	expressed protein
LOC_Os01g08890	None	expressed protein
LOC_Os01g08930	Os01g0184500	DEAD-box ATP-dependent RNA helicase, putative, expressed

LOC_Os01g08940	Os01g0184600	expressed protein
LOC_Os01g08950	Os01g0184700	expressed protein
LOC_Os01g08970	Os01g0184900	SSRP1-like FACT complex subunit, putative, expressed
LOC_Os01g08980	Os01g0185000	expressed protein
LOC_Os01g09110	None	retrotransposon protein, putative, unclassified
LOC_Os01g09220	Os01g0186900	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g10030	Os01g0196800	expressed protein
LOC_Os01g11670	Os01g0215100	OsSCP2 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os01g11820	Os01g0217100	expressed protein
LOC_Os01g11970	Os01g0219000	expressed protein
LOC_Os01g13050	Os01g0231300	long cell-linked locus protein, putative, expressed
LOC_Os01g13470	Os01g0235800	KH domain containing protein, putative, expressed
LOC_Os01g14340	Os01g0245901	expressed protein
LOC_Os01g15420	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os01g20850	Os01g0310032	expressed protein
LOC_Os01g21420	Os01g0316550, Os01g0316600	pre-mRNA-splicing factor SF2, putative, expressed
LOC_Os01g21760	None	retrotransposon protein, putative, unclassified
LOC_Os01g23180	None	retrotransposon protein, putative, unclassified
LOC_Os01g24030	Os01g0342900	AMP-binding enzyme, putative, expressed
LOC_Os01g25250	None	expressed protein
LOC_Os01g25510	Os01g0357400	alpha-amylase isozyme C, putative, expressed
LOC_Os01g29570	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g33740	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g34510	None	hypothetical protein
LOC_Os01g34620	Os01g0530400	OsGrx_S15
LOC_Os01g35230	Os01g0536400	1-aminocyclopropane-1-carboxylate oxidase homolog 1, putative, expressed

LOC_Os01g35870	None	hypothetical protein
LOC_Os01g37040	Os01g0551000	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g37310	Os01g0553700, Os01g0553750	SWIM zinc finger family protein, putative, expressed
LOC_Os01g37320	Os01g0553800	expressed protein
LOC_Os01g38670	Os01g0567500	transporter family protein, putative, expressed
LOC_Os01g38750	None	expressed protein
LOC_Os01g39530	None	retrotransposon, putative, centromere-specific
LOC_Os01g40080	None	hypothetical protein
LOC_Os01g40910	None	transposon protein, putative, unclassified
LOC_Os01g42600	Os01g0611700	hypothetical protein
LOC_Os01g42890	None	expressed protein
LOC_Os01g43290	None	expressed protein
LOC_Os01g48120	None	expressed protein
LOC_Os01g49065	Os01g0684301	expressed protein
LOC_Os01g52920	Os01g0729900	expressed protein
LOC_Os01g54620	Os01g0750300	CESA4 - cellulose synthase, expressed
LOC_Os01g55710	Os01g0762700	DNA-binding protein, putative, expressed
LOC_Os01g57280	Os01g0781200	rp1, putative, expressed
LOC_Os01g60150	Os01g0817500	expressed protein
LOC_Os01g60600	Os01g0821300	WRKY108, expressed
LOC_Os01g61310	Os01g0828900	DUF640 domain containing protein, putative, expressed
LOC_Os01g61350	Os01g0829400	glutaredoxin, putative, expressed
LOC_Os01g61760	Os01g0834100	myosin heavy chain-related, putative, expressed
LOC_Os01g62290	Os01g0840100	DnaK family protein, putative, expressed
LOC_Os01g62710	None	transposon protein, putative, unclassified
LOC_Os01g62770	Os01g0846400	expressed protein
LOC_Os01g64090	Os01g0860300	L1P family of ribosomal proteins domain containing protein, expressed

LOC_Os01g64640	Os01g0866200	histone H3, putative, expressed
LOC_Os01g65640	Os01g0878200	expressed protein
LOC_Os01g65670	Os01g0878700	amino acid transporter, putative, expressed
LOC_Os01g66020	Os01g0883000	protein kinase family protein, putative, expressed
LOC_Os01g67620	None	expressed protein
LOC_Os01g71660	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g01800	Os02g0107700	receptor-like protein kinase precursor, putative, expressed
LOC_Os02g07110	Os02g0167600	OsSAUR6 - Auxin-responsive SAUR gene family member, expressed
LOC_Os02g07120	Os02g0167700	HEAT repeat family protein, putative, expressed
LOC_Os02g08100	Os02g0177600	AMP-binding domain containing protein, expressed
LOC_Os02g12140	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g12630	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g12650	Os02g0218200	puromycin-sensitive aminopeptidase, putative, expressed
LOC_Os02g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os02g18064	None	expressed protein
LOC_Os02g18350	None	expressed protein
LOC_Os02g19250	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os02g19370	None	retrotransposon protein, putative, unclassified
LOC_Os02g19850	Os02g0301400	hAT dimerisation domain-containing protein, putative, expressed
LOC_Os02g19860	Os02g0301500	pre-mRNA-splicing factor ATP-dependent RNA helicase, putative, expressed
LOC_Os02g21680	None	expressed protein
LOC_Os02g21685	None	expressed protein
LOC_Os02g22120	None	expressed protein
LOC_Os02g25290	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g25310	Os02g0450800	zinc knuckle family protein, expressed
LOC_Os02g25580	Os02g0452500, Os02g0452601	Sec1 family transport protein, putative, expressed
LOC_Os02g25610	None	expressed protein

LOC_Os02g25620	Os02g0453100	expressed protein
LOC_Os02g25790	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os02g25900	Os02g0456800	pollen signalling protein with adenylyl cyclase activity, putative, expressed
LOC_Os02g25960	Os02g0457500	ankyrin repeat family protein, putative, expressed
LOC_Os02g26130	None	hypothetical protein
LOC_Os02g26140	Os02g0459300	microtubule-binding protein TANGLED1, putative, expressed
LOC_Os02g26150	None	hypothetical protein
LOC_Os02g26160	Os02g0459600	receptor lectin kinase like protein, putative, expressed
LOC_Os02g26170	None	expressed protein
LOC_Os02g26320	Os02g0461500	fasciclin-like arabinogalactan precursor protein, putative, expressed
LOC_Os02g26330	Os02g0461700	expressed protein
LOC_Os02g26349	Os02g0461600	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os02g26940	Os02g0468800	vegetative storage protein, putative, expressed
LOC_Os02g26950	Os02g0468900	expressed protein
LOC_Os02g26960	Os02g0469000	expressed protein
LOC_Os02g26970	None	hypothetical protein
LOC_Os02g26984	Os02g0469200	expressed protein
LOC_Os02g27060	Os02g0469900	high mobility group, putative, expressed
LOC_Os02g27070	Os02g0470000	PPR repeat domain containing protein, putative, expressed
LOC_Os02g27110	Os02g0470400, Os02g0470600	expressed protein
LOC_Os02g28920	None	transposon protein, putative, unclassified, expressed
LOC_Os02g30050	Os02g0503400	ribosomal protein L29, putative, expressed
LOC_Os02g32380	None	expressed protein
LOC_Os02g33680	Os02g0540700	U-box domain containing protein, expressed
LOC_Os02g37654	Os02g0589000	lecithin:cholesterol acyltransferase, putative, expressed
LOC_Os02g42310	Os02g0634700	OsSCP8 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed

LOC_Os02g43960	Os02g0656900	expressed protein
LOC_Os02g46370	None	expressed protein
LOC_Os02g48184	Os02g0712400	expressed protein
LOC_Os02g48660	Os02g0717800	60S ribosomal protein L31, putative, expressed
LOC_Os02g51500	Os02g0750600	membrane-anchored ubiquitin-fold protein, putative, expressed
LOC_Os02g53260	Os02g0772300	acetyltransferase, GNAT family, putative, expressed
LOC_Os02g54520	Os02g0786300, Os02g0786400	MYB family transcription factor, putative, expressed
LOC_Os02g54600	Os02g0787300	STE_MEK_ste7_MAP2K
LOC_Os02g57530	Os02g0820900, Os02g0821100	ethylene receptor, putative, expressed
LOC_Os02g58490	Os02g0831600	PINHEAD, putative, expressed
LOC_Os02g58554	Os02g0832400	expressed protein
LOC_Os03g02100	Os03g0111700	valyl-tRNA synthetase, putative, expressed
LOC_Os03g03890	Os03g0131000	protein kinase family protein, putative, expressed
LOC_Os03g10240	Os03g0199100	DUF677 domain containing protein, putative, expressed
LOC_Os03g10250	Os03g0199300	expressed protein
LOC_Os03g10260	Os03g0199500	expressed protein
LOC_Os03g11140	Os03g0209800	pleckstrin homology domain-containing protein-related taxo, putative, expressed
LOC_Os03g11150	Os03g0209900	expressed protein
LOC_Os03g11160	Os03g0210000	cysteine proteinase inhibitor precursor, putative, expressed
LOC_Os03g11170	Os03g0210100	cysteine proteinase inhibitor precursor, putative, expressed
LOC_Os03g11180	Os03g0210200	cysteine proteinase inhibitor 6 precursor, putative, expressed
LOC_Os03g11190	Os03g0210300	expressed protein
LOC_Os03g11200	Os03g0210400	pre-mRNA-processing factor 39, putative, expressed
LOC_Os03g11210	Os03g0210500	DUF538 domain containing protein, putative, expressed
LOC_Os03g12730	Os03g0228800	receptor protein kinase CLAVATA1 precursor, putative, expressed
LOC_Os03g13300	Os03g0236200	glutamate decarboxylase, putative, expressed
LOC_Os03g13325	Os03g0236425	ompA/MotB, putative, expressed

LOC_Os03g18940	Os03g0301400	exonuclease, putative, expressed
LOC_Os03g18950	Os03g0301500	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os03g18960	Os03g0301600	calmodulin binding protein, putative, expressed
LOC_Os03g18970	Os03g0301700	protein phosphatase protein, putative, expressed
LOC_Os03g18980	Os03g0301800	kinesin motor domain containing protein, expressed
LOC_Os03g18990	Os03g0301900, Os03g0301950	expressed protein
LOC_Os03g19000	None	peroxisomal biogenesis factor 11, putative, expressed
LOC_Os03g19059	Os03g0302700	anaphase-promoting complex subunit 11, putative, expressed
LOC_Os03g19080	Os03g0302900	expressed protein
LOC_Os03g19170	Os03g0304100	GCRP7 - Glycine and cysteine rich family protein precursor, expressed
LOC_Os03g19180	Os03g0304200	GCRP8 - Glycine and cysteine rich family protein precursor, putative, expressed
LOC_Os03g19190	Os03g0304400	TOPBP1C - Similar to DNA replication protein TOPBP1 from, expressed
LOC_Os03g19230	None	expressed protein
LOC_Os03g20420	Os03g0320100	alpha-N-arabinofuranosidase A, putative, expressed
LOC_Os03g20500	Os03g0321300	OsFBX82 - F-box domain containing protein, expressed
LOC_Os03g20520	Os03g0321400	endoplasmic reticulum-Golgi intermediate compartment protein 3, putative, expressed
LOC_Os03g20750	Os03g0323800	outer mitochondrial membrane porin, putative, expressed
LOC_Os03g20760	Os03g0323900	LTPL66 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os03g20770	None	expressed protein
LOC_Os03g20830	Os03g0324500	hypothetical protein
LOC_Os03g20840	Os03g0324600	disease resistance RPP13-like protein 1, putative, expressed
LOC_Os03g20850	Os03g0324700	exostosin family domain containing protein, expressed
LOC_Os03g20860	Os03g0324800	expressed protein
LOC_Os03g20870	Os03g0324900	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os03g20880	Os03g0325000	pyruvate kinase, putative, expressed
LOC_Os03g21000	Os03g0326500	thioredoxin, putative, expressed
LOC_Os03g21010	Os03g0326550	expressed protein

LOC_Os03g21020	Os03g0326600	RNA recognition motif containing protein, putative, expressed
LOC_Os03g21070	None	expressed protein
LOC_Os03g21080	Os03g0328000	guanine nucleotide exchange factor, putative, expressed
LOC_Os03g21120	Os03g0328400	nucleoside-triphosphatase, putative, expressed
LOC_Os03g21140	Os03g0328900	RNA-binding zinc finger protein, putative, expressed
LOC_Os03g21210	Os03g0329500	endoglucanase, putative, expressed
LOC_Os03g21220	Os03g0329600	expressed protein
LOC_Os03g21240	Os03g0329900	myb-like DNA-binding domain containing protein, expressed
LOC_Os03g21250	Os03g0330000	glycosyl transferase, family 8, putative, expressed
LOC_Os03g21260	Os03g0330200	2,3-bisphosphoglycerate-independent phosphoglycerate mutase, putative, expressed
LOC_Os03g21270	Os03g0330300	expressed protein
LOC_Os03g21310	Os03g0331200	ulp1 protease family, C-terminal catalytic domain containing protein, expressed
LOC_Os03g21330	None	transposon protein, putative, unclassified, expressed
LOC_Os03g21480	Os03g0332533	HAD superfamily phosphatase, putative, expressed
LOC_Os03g21490	Os03g0332600, Os03g0332700	ABC transporter, ATP-binding protein, putative, expressed
LOC_Os03g21500	None	expressed protein
LOC_Os03g21510	Os03g0332900	inactive receptor kinase At2g26730 precursor, putative, expressed
LOC_Os03g21570	Os03g0333501	DNA-binding protein, putative, expressed
LOC_Os03g21580	Os03g0333500	expressed protein
LOC_Os03g21680	Os03g0334700	phospholipid-transporting ATPase, putative, expressed
LOC_Os03g21690	Os03g0334800	lung seven transmembrane domain containing protein, putative, expressed
LOC_Os03g21720	Os03g0335300	vacuolar-sorting receptor precursor, putative, expressed
LOC_Os03g21730	Os03g0335500	receptor-like protein kinase precursor, putative, expressed
LOC_Os03g24650	Os03g0361500	terpene synthase family, metal binding domain containing protein, expressed
LOC_Os03g25070	Os03g0366200	CAMK_CAMK_like
LOC_Os03g27230	Os03g0389700	phospho-2-dehydro-3-deoxyheptonate aldolase, chloroplast precursor, putative, expressed
LOC_Os03g27250	Os03g0389900	OsFBO14 - F-box and other domain containing protein, expressed

LOC_Os03g27260	Os03g0390000	40S ribosomal protein S6, putative, expressed
LOC_Os03g27280	Os03g0390200	CAMK_CAMK_like
LOC_Os03g27290	Os03g0390400	cytochrome c oxidase subunit, putative, expressed
LOC_Os03g27320	Os03g0390700	steroid binding protein, putative, expressed
LOC_Os03g27340	Os03g0390900	expressed protein
LOC_Os03g27350	Os03g0391000	cysteine protease ATG4, putative, expressed
LOC_Os03g27590	Os03g0393700	OsSCP18 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os03g30000	Os03g0413400	glycosyl transferase 8 domain containing protein, putative, expressed
LOC_Os03g36490	Os03g0562400	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os03g36500	None	expressed protein
LOC_Os03g36520	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os03g39150	Os03g0588400	protein kinase domain containing protein, expressed
LOC_Os03g42235	Os03g0619700	expressed protein
LOC_Os03g43360	Os03g0632800	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os03g43390	Os03g0633100, Os03g0633400	F-box/LRR domain containing protein, putative, expressed
LOC_Os03g43420	Os03g0633900	single-stranded DNA-binding protein, putative, expressed
LOC_Os03g43430	Os03g0634000	mttA/Hcf106 family protein, putative, expressed
LOC_Os03g43440	Os03g0634400	CAMK_KIN1/SNF1/Nim1_like
LOC_Os03g43460	None	hypothetical protein
LOC_Os03g43464	None	hypothetical protein
LOC_Os03g43470	Os03g0635000	pentatricopeptide, putative, expressed
LOC_Os03g43480	Os03g0635100	AGG2, putative, expressed
LOC_Os03g43500	None	expressed protein
LOC_Os03g43510	Os03g0635800	expressed protein
LOC_Os03g43524	None	expressed protein
LOC_Os03g43570	Os03g0636600	UBX domain-containing protein 1, putative, expressed
LOC_Os03g43580	Os03g0636700	IQ calmodulin-binding motif family protein, putative, expressed

LOC_Os03g43590	Os03g0636800	LSTK-1-like kinase, putative, expressed
LOC_Os03g43620	None	hypothetical protein
LOC_Os03g56690	Os03g0778300	expressed protein
LOC_Os03g56700	Os03g0778400	expressed protein
LOC_Os03g62600	Os03g0843100	ras-related protein, putative, expressed
LOC_Os04g16270	None	nucleic acid binding protein, putative, expressed
LOC_Os04g16820	None	DNA-directed RNA polymerase subunit beta, putative, expressed
LOC_Os04g24110	Os04g0305700	anthocyanin 3-O-beta-glucosyltransferase, putative, expressed
LOC_Os04g25784	Os04g0323800	expressed protein
LOC_Os04g28074	Os04g0348200	expressed protein
LOC_Os04g31260	None	hypothetical protein
LOC_Os04g34120	None	expressed protein
LOC_Os04g34150	Os04g0418600	expressed protein
LOC_Os04g34160	Os04g0418700	expressed protein
LOC_Os04g34180	None	expressed protein
LOC_Os04g39530	Os04g0471100	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os04g40600	Os04g0482000	peptide methionine sulfoxide reductase, putative, expressed
LOC_Os04g41720	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os04g46540	None	expressed protein
LOC_Os04g55050	Os04g0643200	amidase, putative, expressed
LOC_Os04g55060	Os04g0643300	3-oxoacyl-synthase III, chloroplast precursor, putative, expressed
LOC_Os04g55070	Os04g0643500	gibberellin 20 oxidase 2, putative, expressed
LOC_Os04g55080	Os04g0643600	cyclic nucleotide-gated ion channel, putative, expressed
LOC_Os04g55090	Os04g0643700	PPR repeat domain containing protein, putative, expressed
LOC_Os04g55100	Os04g0643800	expressed protein
LOC_Os04g55110	Os04g0644000	expressed protein
LOC_Os04g55120	Os04g0644100	jp18, putative, expressed
LOC_Os04g55180	Os04g0644600	hydrolase, alpha/beta fold family domain containing protein, expressed

LOC_Os04g55190	Os04g0644675	SPOC domain containing protein, putative, expressed
LOC_Os04g55200	Os04g0644700	coatomer subunit epsilon, putative, expressed
LOC_Os04g55210	Os04g0644800	chloride channel protein, putative, expressed
LOC_Os04g55220	Os04g0644900	C2 domain containing protein, expressed
LOC_Os04g55230	Os04g0645100	tetratricopeptide repeat domain containing protein, putative, expressed
LOC_Os04g55240	Os04g0645200	VQ domain containing protein, putative, expressed
LOC_Os04g55510	Os04g0648800	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os04g56620	None	molybdopterin biosynthesis protein CNX1, putative, expressed
LOC_Os04g56640	Os04g0661800	mediator of RNA polymerase II transcription subunit 7, putative, expressed
LOC_Os04g56646	Os04g0661900	MEE34, putative, expressed
LOC_Os04g56654	Os04g0662000	BSD domain-containing protein, putative, expressed
LOC_Os04g56670	Os04g0662100	S4 domain containing protein, putative, expressed
LOC_Os04g56680	Os04g0662200	OsSAUR22 - Auxin-responsive SAUR gene family member, expressed
LOC_Os04g56700	Os04g0662600	naringenin,2-oxoglutarate 3-dioxygenase, putative, expressed
LOC_Os04g56710	Os04g0662700	GTP cyclohydrolase I 1, putative, expressed
LOC_Os04g57550	Os04g0671200	amine oxidase, flavin-containing, domain containing protein, expressed
LOC_Os04g57560	Os04g0671300	amine oxidase, flavin-containing, domain containing protein, expressed
LOC_Os04g57600	Os04g0671800	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os05g03240	None	hypothetical protein
LOC_Os05g08380	None	myosin heavy chain-related, putative, expressed
LOC_Os05g08390	Os05g0176300	expressed protein
LOC_Os05g08410	Os05g0176500	ATP10 protein, expressed
LOC_Os05g08414	Os05g0176600	expressed protein
LOC_Os05g09120	None	hypothetical protein
LOC_Os05g09160	None	expressed protein
LOC_Os05g09200	None	expressed protein
LOC_Os05g12460	Os05g0215500	expressed protein
LOC_Os05g22960	Os05g0295700	expressed protein

LOC_Os05g23450	Os05g0299600	expressed protein
LOC_Os05g29880	Os05g0362100	3-hydroxyacyl-CoA dehydrogenase, putative, expressed
LOC_Os05g29930	Os05g0362600	late embryogenesis abundant protein, putative, expressed
LOC_Os05g30130	Os05g0364500	chaperone protein dnaJ 49, putative, expressed
LOC_Os05g30160	Os05g0364800	expressed protein
LOC_Os05g30180	None	hypothetical protein
LOC_Os05g30190	Os05g0365000	phytochrome A-associated F-box protein, putative, expressed
LOC_Os05g30200	None	expressed protein
LOC_Os05g30210	Os05g0365200	expressed protein
LOC_Os05g30240	Os05g0365500	PPR repeat domain containing protein, putative, expressed
LOC_Os05g30250	Os05g0365600	Os5bglu19 - beta-glucosidase homologue, similar to G
LOC_Os05g30470	None	collagen alpha-1, putative, expressed
LOC_Os05g34820	Os05g0421300	expressed protein
LOC_Os05g34920	Os05g0423200	expressed protein
LOC_Os05g34930	None	hypothetical protein
LOC_Os05g37810	None	expressed protein
LOC_Os06g03520	Os06g0125200	DUF581 domain containing protein, expressed
LOC_Os06g06850	Os06g0163701	resistance protein LR10, putative, expressed
LOC_Os06g08910	Os06g0188800	glutamate receptor 2
LOC_Os06g09150	Os06g0190950	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os06g09160	Os06g0191000	expressed protein
LOC_Os06g09170	Os06g0191200	zinc ion binding protein, putative, expressed
LOC_Os06g14860	None	hypothetical protein
LOC_Os06g15930	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os06g20960	Os06g0315000	SAM dependent carboxyl methyltransferase, putative, expressed
LOC_Os06g21099	Os06g0315900	expressed protein
LOC_Os06g21210	Os06g0316800	glycine rich protein family protein, putative, expressed
LOC_Os06g21470	Os06g0319600	expressed protein

LOC_Os06g21530	Os06g0319800	expressed protein
LOC_Os06g21540	Os06g0319900	inhibitor I family protein, putative, expressed
LOC_Os06g21550	Os06g0320000	thioredoxin domain-containing protein 17, putative, expressed
LOC_Os06g21560	Os06g0320100	CDK5RAP3, putative, expressed
LOC_Os06g21570	Os06g0320200	Os6bglu24 - beta-glucosidase homologue, similar to G
LOC_Os06g21580	Os06g0320300	expressed protein
LOC_Os06g21590	Os06g0320500	chlorophyll A-B binding protein, putative, expressed
LOC_Os06g21600	Os06g0320700	selenoprotein O, putative, expressed
LOC_Os06g21770	None	hypothetical protein
LOC_Os06g22390	Os06g0329300	expressed protein
LOC_Os06g22394	Os06g0329350	expressed protein
LOC_Os06g28660	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os06g31800	None	THION2 - Plant thionin family protein precursor, expressed
LOC_Os06g31810	None	hypothetical protein
LOC_Os06g38115	Os06g0579201	expressed protein
LOC_Os06g38590	Os06g0585950	receptor-like protein kinase precursor, putative, expressed
LOC_Os06g38660	Os06g0586000	expressed protein
LOC_Os06g38710	None	expressed protein
LOC_Os06g38720	Os06g0586800	expressed protein
LOC_Os06g38740	None	expressed protein
LOC_Os06g44460	Os06g0655100	D-3-phosphoglycerate dehydrogenase, chloroplast precursor, putative, expressed
LOC_Os06g49920	Os06g0713300	expressed protein
LOC_Os06g49930	Os06g0713400	OsFBX207 - F-box domain containing protein, expressed
LOC_Os06g49980	Os06g0713900	expressed protein
LOC_Os06g50050	Os06g0714500	AAA-type ATPase family protein, putative, expressed
LOC_Os06g50070	Os06g0714700	expressed protein
LOC_Os06g50090	Os06g0714850	expressed protein
LOC_Os06g50100	Os06g0714900	tyrosine protein kinase domain containing protein, putative, expressed

LOC_Os06g50110	Os06g0715000	expressed protein
LOC_Os06g50120	Os06g0715100	novel plant SNARE 11, putative, expressed
LOC_Os06g50130	Os06g0715200	expressed protein
LOC_Os06g50140	Os06g0715300	endoglucanase, putative, expressed
LOC_Os06g50146	Os06g0715400	calcium-dependent protein kinase CPK1 adapter protein 2, putative, expressed
LOC_Os06g50170	Os06g0715600	BRE, putative, expressed
LOC_Os06g50180	Os06g0715700	DUF803 domain containing, putative, expressed
LOC_Os06g50330	Os06g0717100	senescence-associated protein, putative, expressed
LOC_Os06g50350	Os06g0717300	expressed protein
LOC_Os06g50360	Os06g0717400	pseudouridine synthase family protein, putative, expressed
LOC_Os06g51084	Os06g0726400	1,4-alpha-glucan-branching enzyme, chloroplast precursor, putative, expressed
LOC_Os06g51120	None	expressed protein
LOC_Os06g51130	Os06g0726900	spotted leaf 11, putative, expressed
LOC_Os06g51140	Os06g0727000	ZOS6-11 - C2H2 zinc finger protein, expressed
LOC_Os06g51150	Os06g0727200	catalase isozyme B, putative, expressed
LOC_Os06g51170	Os06g0727400	serine/threonine-protein kinase Cx32, chloroplast precursor, putative, expressed
LOC_Os06g51230	Os06g0728200	expressed protein
LOC_Os06g51240	Os06g0728500	expressed protein
LOC_Os06g51250	Os06g0728600	EF hand family protein, putative, expressed
LOC_Os06g51260	Os06g0728700	MYB family transcription factor, putative, expressed
LOC_Os06g51280	None	acetolactate synthase 1, chloroplast precursor, putative, expressed
LOC_Os06g51290	Os06g0729000	phytoene synthase, chloroplast precursor, putative, expressed
LOC_Os06g51320	Os06g0729400	GASR8 - Gibberellin-regulated GASA/GAST/Snakin family protein precursor, expressed
LOC_Os06g51350	Os06g0729800	IPP transferase, putative, expressed
LOC_Os06g51360	Os06g0729900	lysM domain containing protein, putative, expressed
LOC_Os06g51450	Os06g0731100	PHD-finger domain containing protein, expressed
LOC_Os06g51460	Os06g0731200	white-brown complex homolog protein, putative, expressed
LOC_Os06g51470	Os06g0731300	expressed protein

LOC_Os06g51480	Os06g0731400	expressed protein
LOC_Os06g51490	Os06g0731500	PHD-finger domain containing protein, putative, expressed
LOC_Os06g51500	Os06g0731700	expressed protein
LOC_Os06g51510	Os06g0731800	expressed protein
LOC_Os06g51520	Os06g0731900	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed
LOC_Os07g03170	Os07g0123800	expressed protein
LOC_Os07g03840	Os07g0130400	lectin-like receptor kinase, putative, expressed
LOC_Os07g10210	None	expressed protein
LOC_Os07g13090	None	expressed protein
LOC_Os07g14750	Os07g0251301	60S acidic ribosomal protein, putative, expressed
LOC_Os07g14760	Os07g0251400	expressed protein
LOC_Os07g19560	Os07g0296200	TATA-binding protein-associated factor 2N, putative, expressed
LOC_Os07g24930	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os07g29040	None	hypothetical protein
LOC_Os07g29050	Os07g0473300	expressed protein
LOC_Os07g44220	None	expressed protein
LOC_Os07g44830	Os07g0642800	proline-rich family protein, putative, expressed
LOC_Os07g48602	Os07g0685400	EMB1011, putative, expressed
LOC_Os07g48610	Os07g0685500	hydrolase, alpha/beta fold family domain containing protein, expressed
LOC_Os07g48620	Os07g0685600	expressed protein
LOC_Os07g48690	Os07g0686500	DUF630/DUF632 domains containing protein, putative, expressed
LOC_Os07g48700	Os07g0686400	expressed protein
LOC_Os07g48710	Os07g0686600	VQ domain containing protein, putative, expressed
LOC_Os07g48760	Os07g0687000	CAMK_KIN1/SNF1/Nim1_like
LOC_Os07g48770	Os07g0687100	serine hydrolase domain containing protein, expressed
LOC_Os08g16359	Os08g0263400	expressed protein
LOC_Os08g18930	None	expressed protein
LOC_Os08g24900	Os08g0336700	retrotransposon protein, putative, unclassified, expressed

LOC_Os08g26210	None	expressed protein
LOC_Os08g26460	None	expressed protein
LOC_Os08g34249	None	inhibitor I family protein, putative, expressed
LOC_Os08g34610	None	hypothetical protein
LOC_Os08g34620	None	expressed protein
LOC_Os08g34640	Os08g0446200	receptor-like protein kinase precursor, putative, expressed
LOC_Os08g34700	Os08g0446800	GDU1, putative, expressed
LOC_Os08g34710	Os08g0446900	expressed protein
LOC_Os08g34730	None	expressed protein
LOC_Os08g34740	Os08g0447200	SGT1 protein, putative, expressed
LOC_Os08g34750	Os08g0447300	serine esterase family protein, putative, expressed
LOC_Os08g34760	Os08g0447500	expressed protein
LOC_Os08g34780	Os08g0447900	adenylyl cyclase-associated protein, putative, expressed
LOC_Os08g35110	Os08g0452500	OsSAUR33 - Auxin-responsive SAUR gene family member, expressed
LOC_Os08g35130	None	expressed protein
LOC_Os08g39174	Os08g0501088, Os08g0501200	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os09g04710	Os09g0132900	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os09g09820	Os09g0271000	retrotransposon protein, putative, unclassified, expressed
LOC_Os09g21620	Os09g0384300	OsFBX325 - F-box domain containing protein, expressed
LOC_Os09g22040	None	expressed protein
LOC_Os09g37990	None	expressed protein
LOC_Os11g03240	Os11g0126100	MATE efflux family protein, putative, expressed
LOC_Os11g03430	Os11g0128400	CDC45B - Putative DNA replication initiation protein, expressed
LOC_Os11g03460	Os11g0128700	Mad3/BUB1 homology region 1 domain containing protein, expressed
LOC_Os11g04130	None	nodulin MtN21 family protein, putative, expressed
LOC_Os11g04770	Os11g0143800	EF hand family protein, putative, expressed
LOC_Os11g04950	Os11g0146700	splicing factor, putative, expressed

LOC_Os11g04954	Os11g0146800	DNA repair protein Rad51, putative, expressed
LOC_Os11g04980	Os11g0147000	acyl-CoA synthetase protein, putative, expressed
LOC_Os11g05260	Os11g0150100	phosphoglycerate mutase, putative, expressed
LOC_Os11g05340	Os11g0151002	transposon protein, putative, unclassified, expressed
LOC_Os11g22890	None	expressed protein
LOC_Os11g47410	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os12g04630	None	expressed protein
LOC_Os12g04770	Os12g0141800	expressed protein
LOC_Os12g04790	None	expressed protein
LOC_Os12g04970	Os12g0143700	retrotransposon protein, putative, unclassified, expressed
LOC_Os12g05270	Os12g0148000	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os12g05310	Os12g0148301, Os12g0148400	retrotransposon protein, putative, unclassified, expressed
LOC_Os12g05320	Os12g0148600	expressed protein
LOC_Os12g05330	Os12g0148700	protein of unknown function containing protein, expressed
LOC_Os12g05340	None	expressed protein
LOC_Os12g05410	Os12g0149800	G10 protein, putative, expressed
LOC_Os12g05470	Os12g0150500	plastocyanin-like domain containing protein, putative, expressed
LOC_Os12g23550	Os12g0422800	expressed protein
LOC_Os12g40940	Os12g0602200	expressed protein
LOC_Os12g40980	None	expressed protein
LOC_Os12g41050	None	hypothetical protein

Genes in indica_SV CLR

LOC_Os01g01090	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01100	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g02629	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g02990	None	expressed protein

LOC_Os01g03610	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g03830	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g04790	None	retrotransposon protein, putative, unclassified
LOC_Os01g05320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g06680	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g09110	None	retrotransposon protein, putative, unclassified
LOC_Os01g10170	None	expressed protein
LOC_Os01g10970	Os01g0207700	auxin-induced protein 5NG4, putative, expressed
LOC_Os01g11270	Os01g0210900	cytochrome P450, putative, expressed
LOC_Os01g11720	Os01g0215800	transposable element protein, putative, containing Pfam profile: PF03004, Transposase_24, expressed
LOC_Os01g12710	Os01g0227100	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed
LOC_Os01g13229	Os01g0233100	cyclin-A1, putative, expressed
LOC_Os01g13250	Os01g0233400	sarcoma antigen NY-SAR-91, putative, expressed
LOC_Os01g13300	Os01g0234100	B3 DNA binding domain containing protein, expressed
LOC_Os01g13440	Os01g0235500	pollen allergen Cyn d 23, putative, expressed
LOC_Os01g14730	None	retrotransposon protein, putative, unclassified
LOC_Os01g15080	None	hypothetical protein
LOC_Os01g15190	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g17010	Os01g0277600	phospholipid-transporting ATPase, putative, expressed
LOC_Os01g17130	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g18020	None	retrotransposon protein, putative, unclassified
LOC_Os01g19010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g19640	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g19970	Os01g0305900	MYB family transcription factor, putative, expressed
LOC_Os01g19980	None	hypothetical protein
LOC_Os01g19990	Os01g0306100	expressed protein
LOC_Os01g20000	Os01g0306200	expressed protein

LOC_Os01g20010	Os01g0306301	expressed protein
LOC_Os01g20020	None	hypothetical protein
LOC_Os01g20030	Os01g0306400	expressed protein
LOC_Os01g20060	None	expressed protein
LOC_Os01g20100	Os01g0306650	expressed protein
LOC_Os01g21360	None	retrotransposon protein, putative, unclassified
LOC_Os01g21490	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g21550	None	expressed protein
LOC_Os01g22050	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g22309	None	hypothetical protein
LOC_Os01g23239	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g23320	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os01g23340	None	expressed protein
LOC_Os01g23480	None	expressed protein
LOC_Os01g23940	None	expressed protein
LOC_Os01g24400	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g25020	None	expressed protein
LOC_Os01g25030	Os01g0352400	dirigent, putative
LOC_Os01g25040	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g25050	None	expressed protein
LOC_Os01g25060	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g25065	None	ATP synthase subunit beta, putative, expressed
LOC_Os01g25070	Os01g0353100	expressed protein
LOC_Os01g25080	None	expressed protein
LOC_Os01g25940	None	expressed protein
LOC_Os01g27070	Os01g0368500	expressed protein
LOC_Os01g28270	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g28650	None	retrotransposon, putative, centromere-specific, expressed

LOC_Os01g28882	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g28930	None	expressed protein
LOC_Os01g28940	None	hypothetical protein
LOC_Os01g28970	Os01g0386500	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g28980	Os01g0386600	proton-dependent oligopeptide transport, putative, expressed
LOC_Os01g28989	Os01g0386700	expressed protein
LOC_Os01g29040	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29507	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os01g29790	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29890	None	expressed protein
LOC_Os01g30970	Os01g0495200	PMR5, putative, expressed
LOC_Os01g31050	Os01g0444100	expressed protein
LOC_Os01g31160	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g31170	None	expressed protein
LOC_Os01g31310	None	expressed protein
LOC_Os01g32530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g32550	None	hypothetical protein
LOC_Os01g32610	Os01g0509700	expressed protein
LOC_Os01g33142	None	hypothetical protein
LOC_Os01g33180	None	hypothetical protein
LOC_Os01g33470	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g33740	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g34510	None	hypothetical protein
LOC_Os01g35610	None	expressed protein
LOC_Os01g35789	Os01g0539400	expressed protein
LOC_Os01g36410	None	expressed protein
LOC_Os01g37340	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g38120	Os01g0561700	plant protein of unknown function domain containing protein, expressed

LOC_Os01g39136	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g39980	Os01g0581500	hypothetical protein
LOC_Os01g40140	Os01g0583600	expressed protein
LOC_Os01g40910	None	transposon protein, putative, unclassified
LOC_Os01g41100	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g42610	Os01g0611800	terpene synthase, putative, expressed
LOC_Os01g47300	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g48830	Os01g0680700	expressed protein
LOC_Os01g49154	Os01g0685300	expressed protein
LOC_Os01g52920	Os01g0729900	expressed protein
LOC_Os01g56840	None	DUF domain containing protein, expressed
LOC_Os01g61460	Os01g0830700	leaf senescence related protein, putative, expressed
LOC_Os01g63910	Os01g0858000	AT hook motif family protein, expressed
LOC_Os01g65130	Os01g0871800	peptide transporter, putative, expressed
LOC_Os01g71390	Os01g0941300	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g71850	None	transposon protein, putative, unclassified, expressed
LOC_Os01g72400	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g73332	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g73440	None	expressed protein
LOC_Os02g04725	Os02g0140101	dolichol phosphate-mannose biosynthesis regulatory protein, putative, expressed
LOC_Os02g06640	Os02g0161900	ubiquitin family protein, putative, expressed
LOC_Os02g09580	Os02g0188900	OsFBX39 - F-box domain containing protein, expressed
LOC_Os02g09860	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os02g11110	Os02g0206100	flavonol-3-O-glycoside-7-O-glucosyltransferase 1, putative, expressed
LOC_Os02g12140	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g16220	Os02g0262300	expressed protein
LOC_Os02g17020	None	hypothetical protein
LOC_Os02g18000	Os02g0281200	disease resistance protein RGA2, putative, expressed

LOC_Os02g18064	None	expressed protein
LOC_Os02g18115	Os02g0282301	expressed protein
LOC_Os02g18130	None	expressed protein
LOC_Os02g18150	Os02g0282600	expressed protein
LOC_Os02g18160	None	expressed protein
LOC_Os02g18784	Os02g0289700	expressed protein
LOC_Os02g20520	None	retrotransposon, putative, centromere-specific
LOC_Os02g22460	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g24090	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g25010	None	hypothetical protein
LOC_Os02g25290	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g25990	None	retrotransposon, putative, centromere-specific
LOC_Os02g26190	Os02g0460000	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os02g27910	None	expressed protein
LOC_Os02g29570	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g30760	None	expressed protein
LOC_Os02g31845	Os02g0517750	expressed protein
LOC_Os02g32690	Os02g0528900	pleiotropic drug resistance protein 15, putative, expressed
LOC_Os02g36830	None	cytokinin-O-glucosyltransferase 2, putative, expressed
LOC_Os02g36840	Os02g0578300	cytokinin-O-glucosyltransferase 2, putative, expressed
LOC_Os02g39910	Os02g0612700	B4-BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with B4 subfamily conserved sequence, expressed
LOC_Os02g41961	None	expressed protein
LOC_Os02g42180	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g44550	Os02g0665000	NADP-dependent malic enzyme, putative, expressed
LOC_Os02g45370	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g47680	None	retrotransposon protein, putative, Ty3-gypsy subclass

LOC_Os02g48184	Os02g0712400	expressed protein
LOC_Os02g50120	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os02g50610	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os03g03840	None	expressed protein
LOC_Os03g05220	Os03g0145700	expressed protein
LOC_Os03g06610	Os03g0161600	expressed protein
LOC_Os03g07500	None	hypothetical protein
LOC_Os03g21010	Os03g0326550	expressed protein
LOC_Os03g28180	None	expressed protein
LOC_Os03g28270	Os03g0400800, Os03g0400901	Leucine Rich Repeat family protein, expressed
LOC_Os03g31500	None	expressed protein
LOC_Os03g32940	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g33384	None	hypothetical protein
LOC_Os03g35849	None	expressed protein
LOC_Os03g41010	None	hypothetical protein
LOC_Os03g41612	Os03g0612600	ribosomal protein L25, putative, expressed
LOC_Os03g41640	Os03g0612800	GRF zinc finger family protein, expressed
LOC_Os03g41675	Os03g0613100	expressed protein
LOC_Os03g41690	None	expressed protein
LOC_Os03g41780	Os03g0614100	retrotransposon, putative, centromere-specific, expressed
LOC_Os03g41800	Os03g0614250	transposon protein, putative, unclassified, expressed
LOC_Os03g41820	Os03g0614500	expressed protein
LOC_Os03g41870	None	nucleic acid binding protein, putative
LOC_Os03g44910	None	EBNA-1, putative, expressed
LOC_Os03g44920	Os03g0652400	OsFBX98 - F-box domain containing protein, expressed
LOC_Os03g48364	None	retrotransposon protein, putative, unclassified
LOC_Os03g55860	None	retrotransposon protein, putative, unclassified, expressed

LOC_Os03g57750	Os03g0791432	expressed protein
LOC_Os03g57760	Os03g0791500	25
LOC_Os03g57770	None	expressed protein
LOC_Os03g57780	Os03g0791700, Os03g0792050	protein kinase, putative, expressed
LOC_Os03g58790	Os03g0802500	ATPase, putative, expressed
LOC_Os03g59770	Os03g0812400	EF hand family protein, putative, expressed
LOC_Os03g59840	Os03g0813200	expressed protein
LOC_Os03g59940	Os03g0814200	expressed protein
LOC_Os03g59950	None	receptor-like kinase, putative, expressed
LOC_Os03g64014	Os03g0857200	expressed protein
LOC_Os04g03120	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g03220	Os04g0122300	expressed protein
LOC_Os04g04650	None	hypothetical protein
LOC_Os04g12390	Os04g0200400	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os04g12430	Os04g0200700	expressed protein
LOC_Os04g12460	Os04g0201000	Leucine Rich Repeat family protein, expressed
LOC_Os04g13080	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os04g14680	Os04g0223300	OsAPx3 - Peroxisomal Ascorbate Peroxidase encoding gene 5,8, expressed
LOC_Os04g14690	Os04g0223500	flavin-containing monooxygenase family protein, putative, expressed
LOC_Os04g14730	Os04g0224200	expressed protein
LOC_Os04g18380	Os04g0255600	cytochrome P450, putative, expressed
LOC_Os04g19250	None	hypothetical protein
LOC_Os04g22110	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g24950	None	hypothetical protein
LOC_Os04g25060	Os04g0316200	cysteine-rich receptor-like protein kinase, putative, expressed
LOC_Os04g25100	Os04g0316800, Os04g0316850	transposon protein, putative, unclassified, expressed
LOC_Os04g25130	None	retrotransposon protein, putative, LINE subclass, expressed

LOC_Os04g25150	Os04g0317400	pollen allergen, putative, expressed
LOC_Os04g25180	None	hypothetical protein
LOC_Os04g25230	None	hypothetical protein
LOC_Os04g25270	None	hypothetical protein
LOC_Os04g25290	Os04g0318700	expressed protein
LOC_Os04g25350	None	expressed protein
LOC_Os04g25360	Os04g0319600	tRNA methyltransferase complex GCD14 subunit, putative, expressed
LOC_Os04g25810	None	retrotransposon protein, putative, unclassified
LOC_Os04g26330	None	expressed protein
LOC_Os04g26380	None	aspartic proteinase-like protein 2 precursor, putative, expressed
LOC_Os04g26400	Os04g0331300	expressed protein
LOC_Os04g26440	None	hypothetical protein
LOC_Os04g26450	None	expressed protein
LOC_Os04g26520	None	hypothetical protein
LOC_Os04g26590	None	expressed protein
LOC_Os04g28450	Os04g0355700	hypothetical protein
LOC_Os04g28710	Os04g0356000	hypothetical protein
LOC_Os04g28720	None	RALFL32 - Rapid ALkalinization Factor RALF family protein precursor, putative, expressed
LOC_Os04g33910	Os04g0482000	expressed protein
LOC_Os04g40600	Os04g0528300	peptide methionine sulfoxide reductase, putative, expressed
LOC_Os04g44610	Os05g0128900	white-brown complex homolog protein 11, putative, expressed
LOC_Os05g03810	Os05g0222300	trehalose phosphatase, putative, expressed
LOC_Os05g13530	None	expressed protein
LOC_Os05g13540	Os05g0241600	hypothetical protein
LOC_Os05g15200	Os05g0241700	zinc knuckle family protein, expressed
LOC_Os05g19110	Os05g0273500	expressed protein
LOC_Os05g19120	None	hypothetical protein

LOC_Os05g19130	None	hypothetical protein
LOC_Os05g24450	None	hypothetical protein
LOC_Os05g25940	None	expressed protein
LOC_Os05g27980	Os05g0346800	DUF260 domain containing protein, putative, expressed
LOC_Os05g32020	Os05g0385650	expressed protein
LOC_Os05g39630	None	expressed protein
LOC_Os06g09470	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os06g11670	None	expressed protein
LOC_Os06g13910	Os06g0249100	expressed protein
LOC_Os06g25250	Os06g0358800	endoribonuclease Dicer, putative, expressed
LOC_Os06g25294	Os06g0359400	60S ribosomal protein L18a-1, putative, expressed
LOC_Os06g25470	Os06g0360600	expressed protein
LOC_Os06g25510	Os06g0360900	expressed protein
LOC_Os06g25540	Os06g0361200	expressed protein
LOC_Os06g26080	None	expressed protein
LOC_Os06g26120	None	hypothetical protein
LOC_Os06g34530	Os06g0536100	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os06g34950	Os06g0541132	expressed protein
LOC_Os06g41210	None	hypothetical protein
LOC_Os06g43070	None	expressed protein
LOC_Os07g05260	Os07g0146300	expressed protein
LOC_Os07g05290	Os07g0146700	expressed protein
LOC_Os07g15110	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g15610	None	hypothetical protein
LOC_Os07g19340	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os08g05040	None	expressed protein
LOC_Os08g05440	Os08g0150150	NB-ARC domain containing protein, expressed
LOC_Os08g16750	None	hypothetical protein

LOC_Os08g26210	None	expressed protein
LOC_Os08g31970	Os08g0414600	NHL repeat-containing protein, putative, expressed
LOC_Os08g31990	None	expressed protein
LOC_Os08g33090	Os08g0427600	inactive receptor kinase At2g26730 precursor, putative, expressed
LOC_Os09g04470	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os09g04490	Os09g0131200	inactive receptor kinase At1g27190 precursor, putative, expressed
LOC_Os09g04500	Os09g0131300	expressed protein
LOC_Os09g06310	Os09g0238700	hypothetical protein
LOC_Os09g06340	None	retrotransposon protein, putative, unclassified
LOC_Os09g11020	Os09g0282840	NBS-LRR disease resistance protein, putative, expressed
LOC_Os09g12970	Os09g0300800	plant protein of unknown function domain containing protein, expressed
LOC_Os09g16720	None	expressed protein
LOC_Os09g20684	None	SMP-30/Gluconolacunase/LRE-like region containing protein, expressed
LOC_Os09g22160	None	expressed protein
LOC_Os09g24190	Os09g0407050	expressed protein
LOC_Os10g04180	Os10g0131800	NB-ARC domain containing protein, expressed
LOC_Os10g04210	None	expressed protein
LOC_Os10g14814	Os10g0209300	ATFMN/FHY, putative, expressed
LOC_Os10g15230	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os10g19912	None	expressed protein
LOC_Os10g19914	None	hypothetical protein
LOC_Os10g19919	Os10g0340301	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os10g19925	Os10g0340450	expressed protein
LOC_Os11g01480	Os11g0106100	MYB family transcription factor, putative, expressed
LOC_Os11g01490	Os11g0106200	outer membrane protein, OMP85 family, putative, expressed
LOC_Os11g01530	Os11g0106700	ferritin-1, chloroplast precursor, putative, expressed
LOC_Os11g01540	Os11g0106800	expressed protein
LOC_Os11g01570	Os11g0107000	PMR5, putative, expressed

LOC_Os11g02630	Os11g0118600	expressed protein
LOC_Os11g03200	Os11g0125500	EMB2748, putative, expressed
LOC_Os11g03210	None	glutathione S-transferase, N-terminal domain containing protein
LOC_Os11g03220	Os11g0125700	RNA binding protein, putative, expressed
LOC_Os11g03230	Os11g0125900	nucleoside-triphosphatase, putative, expressed
LOC_Os11g04670	Os11g0142500	2-isopropylmalate synthase B, putative, expressed
LOC_Os11g04680	Os11g0142600, Os11g0142650	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os11g04690	Os11g0142800	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os11g04710	Os11g0143200	cytochrome P450, putative, expressed
LOC_Os11g33430	Os11g0540900	plant protein of unknown function domain containing protein, expressed
LOC_Os11g39420	Os11g0607900	jacalin-like lectin domain containing protein, expressed
LOC_Os11g39490	Os11g0608700	jacalin-like lectin domain containing protein, expressed
LOC_Os12g07370	Os12g0171250	csAtPR5, putative, expressed
LOC_Os12g07380	Os12g0171600	expressed protein
LOC_Os12g07390	Os12g0171700	expressed protein
LOC_Os12g13460	Os12g0236900	SET domain-containing protein, putative, expressed
LOC_Os12g13470	Os12g0237100	hypothetical protein
LOC_Os12g19530	Os12g0292900	ATP-binding region, ATPase-like domain-containing protein, putative, expressed
LOC_Os12g20260	None	expressed protein
LOC_Os12g22760	Os12g0416500	expressed protein
LOC_Os12g24320	Os12g0431100	ATPase 3, putative, expressed
LOC_Os12g34930	None	expressed protein
LOC_Os12g39560	None	expressed protein

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LOC_Os01g01090	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01100	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed

LOC_Os01g01530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g01540	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01550	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g01570	Os01g0105400	kinesin heavy chain, putative, expressed
LOC_Os01g01810	None	expressed protein
LOC_Os01g02310	Os01g0113350	expressed protein
LOC_Os01g02380	Os01g0114000	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g02629	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g02990	None	expressed protein
LOC_Os01g03610	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g05320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g06610	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g06810	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g07570	Os01g0170500	carboxyl-terminal proteinase, putative, expressed
LOC_Os01g07940	Os01g0174700	AGC_PVPK_like_kin82y
LOC_Os01g08380	Os01g0179000	transferase family protein, putative, expressed
LOC_Os01g08490	Os01g0180100	conserved hypothetical protein
LOC_Os01g09060	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g09110	None	retrotransposon protein, putative, unclassified
LOC_Os01g10030	Os01g0196800	expressed protein
LOC_Os01g10130	Os01g0197900	RNA-dependent RNA polymerase, putative, expressed
LOC_Os01g10180	Os01g0198500	avr9/Cf-9 rapidly elicited protein 146, putative, expressed
LOC_Os01g10195	Os01g0198702	expressed protein
LOC_Os01g10290	Os01g0200000	autophagy-related protein 3, putative, expressed
LOC_Os01g10370	Os01g0200600	AP2 domain containing protein, expressed
LOC_Os01g12150	Os01g0220900	expressed protein
LOC_Os01g12340	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g14160	None	retrotransposon, putative, centromere-specific, expressed

LOC_Os01g18020	None	retrotransposon protein, putative, unclassified
LOC_Os01g18390	None	OsRCI2-1 - Putative low temperature and salt responsive protein, expressed
LOC_Os01g18980	None	transposon protein, putative, unclassified
LOC_Os01g19010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g19529	Os01g0301500	pentatricopeptide, putative, expressed
LOC_Os01g19894	Os01g0304500	transposon protein, putative, unclassified, expressed
LOC_Os01g20140	None	latency associated nuclear antigen, putative, expressed
LOC_Os01g22309	None	hypothetical protein
LOC_Os01g23850	Os01g0341000	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g23940	None	expressed protein
LOC_Os01g27070	Os01g0368500	expressed protein
LOC_Os01g27230	Os01g0369900	12-oxophytodienoate reductase, putative, expressed
LOC_Os01g27970	None	hypothetical protein
LOC_Os01g28020	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g28270	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g28580	Os01g0382900	expressed protein
LOC_Os01g28590	None	expressed protein
LOC_Os01g28600	Os01g0383100	exo70 exocyst complex subunit family protein, putative, expressed
LOC_Os01g28650	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os01g28680	Os01g0383700	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os01g29040	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29409	Os01g0390400	tRNA methyltransferase, putative, expressed
LOC_Os01g29430	Os01g0390600	tetratricopeptide-like helical, putative, expressed
LOC_Os01g29450	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g31270	Os01g0497400	annexin, putative, expressed
LOC_Os01g31280	None	expressed protein
LOC_Os01g31820	None	expressed protein
LOC_Os01g32500	None	retrotransposon protein, putative, unclassified, expressed

LOC_Os01g32530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g35230	Os01g0536400	1-aminocyclopropane-1-carboxylate oxidase homolog 1, putative, expressed
LOC_Os01g35240	None	hypothetical protein
LOC_Os01g35254	Os01g0536501	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g36520	None	expressed protein
LOC_Os01g36530	Os01g0545800	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g36540	Os01g0545900	pentatricopeptide, putative, expressed
LOC_Os01g36550	Os01g0546000	protein kinase family protein, putative, expressed
LOC_Os01g36560	Os01g0546100	auxin-induced protein 5NG4, putative, expressed
LOC_Os01g36570	Os01g0546250	glycine-rich protein 2, putative
LOC_Os01g36600	Os01g0546500	PPR repeat domain containing protein, putative, expressed
LOC_Os01g36610	Os01g0546700	expressed protein
LOC_Os01g36620	Os01g0546800	pectate lyase family protein, expressed
LOC_Os01g36640	Os01g0547000	disease resistance protein RPM1, putative, expressed
LOC_Os01g36670	Os01g0547200	expressed protein
LOC_Os01g36690	Os01g0547400	expressed protein
LOC_Os01g36720	Os01g0547600	transporter, major facilitator family, putative, expressed
LOC_Os01g36740	Os01g0548000	expressed protein
LOC_Os01g36760	Os01g0548600	expressed protein
LOC_Os01g36790	Os01g0548750	TKL_IRAK_DUF26-1f
LOC_Os01g36810	None	expressed protein
LOC_Os01g36820	Os01g0548900	expressed protein
LOC_Os01g36830	Os01g0549000	polygalacturonase, putative, expressed
LOC_Os01g36840	Os01g0549200	ATP-binding region, ATPase-like domain containing protein, expressed
LOC_Os01g36860	Os01g0549400	DEAD-box ATP-dependent RNA helicase 40, putative, expressed
LOC_Os01g36870	Os01g0549500	phox domain-containing protein, putative, expressed
LOC_Os01g36880	None	hypothetical protein
LOC_Os01g36890	Os01g0549700	DEAD-box ATP-dependent RNA helicase, putative, expressed

LOC_Os01g36930	Os01g0550100	ubiquitin carboxyl-terminal hydrolase 6, putative, expressed
LOC_Os01g36940	Os01g0550200	OsFBX13 - F-box domain containing protein, expressed
LOC_Os01g36950	Os01g0550300	N-rich protein, putative, expressed
LOC_Os01g36970	Os01g0550600	expressed protein
LOC_Os01g36984	None	expressed protein
LOC_Os01g37000	Os01g0550800	carboxyl-terminal peptidase, putative, expressed
LOC_Os01g37100	Os01g0551600, Os01g0551700	RWP-RK domain-containing protein, putative, expressed
LOC_Os01g37325	Os01g0553901	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g39030	None	expressed protein
LOC_Os01g39136	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g39380	Os01g0575500	SCD1, putative, expressed
LOC_Os01g39399	None	expressed protein
LOC_Os01g39430	None	anthocyanin regulatory protein, putative
LOC_Os01g39510	None	hypothetical protein
LOC_Os01g39970	Os01g0581400	protein kinase domain containing protein, putative, expressed
LOC_Os01g39980	Os01g0581500	hypothetical protein
LOC_Os01g40120	Os01g0583300	expressed protein
LOC_Os01g42810	Os01g0614300	leaf senescence related protein, putative, expressed
LOC_Os01g43895	Os01g0629750	expressed protein
LOC_Os01g44010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g44069	Os01g0631400	glycerol-3-phosphate acyltransferase, putative, expressed
LOC_Os01g46554	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g46984	Os01g0659400	expressed protein
LOC_Os01g48600	None	ubiquitin carboxyl-terminal hydrolase family protein, putative, expressed
LOC_Os01g51400	Os01g0711200	Leucine Rich Repeat family protein, expressed
LOC_Os01g51650	Os01g0714200, Os01g0714225, Os01g0714300,	retrotransposon protein, putative, unclassified, expressed

LOC_Os01g52910	Os01g0714366	
LOC_Os01g53450	Os01g0729800	expressed protein
LOC_Os01g56120	Os01g0736400	aminotransferase, classes I and II, domain containing protein, expressed
LOC_Os01g57942	Os01g0766800, Os01g0766850	RNA recognition motif containing protein, putative, expressed
LOC_Os01g57945	None	cytochrome b6, putative, expressed
LOC_Os01g57946	None	cytochrome b6-f complex subunit 4, putative, expressed
LOC_Os01g58049	None	DNA-directed RNA polymerase subunit alpha, putative, expressed
LOC_Os01g59250	Os01g0807000	photosystem I assembly protein ycf4, putative, expressed
LOC_Os01g60870	Os01g0823951, Os01g0824000	expressed protein
LOC_Os01g61350	Os01g0829400	expressed protein
LOC_Os01g61520	None	glutaredoxin, putative, expressed
LOC_Os01g61590	Os01g0832300	expressed protein
LOC_Os01g61620	Os01g0832900	CAMK_CAMK_like
LOC_Os01g61630	Os01g0833000	protein kinase family protein, putative, expressed
LOC_Os01g61640	Os01g0833100	expressed protein
LOC_Os01g61670	Os01g0833150, Os01g0833200	NLI interacting factor-like phosphatase, putative, expressed
LOC_Os01g61680	Os01g0833400	ureidoglycolate hydrolase, putative, expressed
LOC_Os01g61690	Os01g0833500	expressed protein
LOC_Os01g61700	Os01g0833600	OsSCP5 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os01g61710	Os01g0833700	ATP-dependent Clp protease adaptor protein ClpS containing protein, expressed
LOC_Os01g61720	Os01g0833800	coatomer subunit delta, putative, expressed
LOC_Os01g61730	None	IQ calmodulin-binding motif domain containing protein, expressed
LOC_Os01g61750	None	expressed protein
LOC_Os01g61780	Os01g0834200	hypothetical protein
LOC_Os01g61800	Os01g0834300	vacuolar ATP synthase 98 kDa subunit, putative, expressed
		ZmEBE-1 protein, putative, expressed

LOC_Os01g61810	Os01g0834400	histone-like transcription factor and archaeal histone, putative, expressed
LOC_Os01g61814	Os01g0834500, Os01g0834600	40S ribosomal protein S23, putative, expressed
LOC_Os01g61830	Os01g0834700	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os01g62180	None	expressed protein
LOC_Os01g63040	Os01g0849900	expressed protein
LOC_Os01g63050	Os01g0850000	expressed protein
LOC_Os01g63150	Os01g0850200	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g63160	Os01g0850400	MYB family transcription factor, putative, expressed
LOC_Os01g63170	None	transposon protein, putative, unclassified, expressed
LOC_Os01g63180	Os01g0850550	laccase-6 precursor, putative, expressed
LOC_Os01g63190	Os01g0850700	laccase precursor protein, putative, expressed
LOC_Os01g63200	Os01g0850800	laccase precursor protein, putative, expressed
LOC_Os01g63210	Os01g0850900	SOUL heme-binding protein, putative, expressed
LOC_Os01g63220	Os01g0851000	kinase, pfkB family, putative, expressed
LOC_Os01g63230	Os01g0851100	growth regulator related protein, putative, expressed
LOC_Os01g63240	Os01g0851300	reticulon domain containing protein, putative, expressed
LOC_Os01g63610	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g63670	None	hypothetical protein
LOC_Os01g63680	Os01g0855400	MYB family transcription factor, putative, expressed
LOC_Os01g63690	Os01g0855600	hs1, putative, expressed
LOC_Os01g63710	Os01g0855900, Os01g0856000	CDC6 - Putative DNA replication initiation protein, expressed
LOC_Os01g63720	None	hypothetical protein
LOC_Os01g63730	None	hypothetical protein
LOC_Os01g63770	Os01g0856500	transmembrane amino acid transporter protein, putative, expressed
LOC_Os01g63780	Os01g0856600	nsp1-like C-terminal region family protein, expressed
LOC_Os01g63790	None	prolipoprotein diacylglycerol transferase, putative, expressed
LOC_Os01g63800	Os01g0856800	pleckstrin homology domain-containing protein, putative, expressed

LOC_Os01g63810	Os01g0856900	starch binding domain containing protein, putative, expressed
LOC_Os01g63820	Os01g0857000	double-stranded RNA binding motif containing protein, expressed
LOC_Os01g63830	Os01g0857200	dehydrodolichyl diphosphate synthase, putative, expressed
LOC_Os01g63900	Os01g0857900	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os01g63910	Os01g0858000	AT hook motif family protein, expressed
LOC_Os01g63920	None	hypothetical protein
LOC_Os01g63930	Os01g0858200, Os01g0858350	cytochrome P450, putative, expressed
LOC_Os01g67790	Os01g0904900	F-box protein interaction domain containing protein, expressed
LOC_Os01g71250	Os01g0939200	expressed protein
LOC_Os01g71870	None	transposon protein, putative, unclassified, expressed
LOC_Os02g02400	Os02g0115700	catalase isozyme A, putative, expressed
LOC_Os02g03870	Os02g0131400	periplasmic beta-glucosidase precursor, putative, expressed
LOC_Os02g04870	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os02g05040	Os02g0143200	cyclin-related protein, putative, expressed
LOC_Os02g05210	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g05640	Os02g0149900	homeobox associated leucine zipper, putative, expressed
LOC_Os02g12300	Os02g0214400	pectate lyase precursor, putative, expressed
LOC_Os02g14600	Os02g0242600	glutelin, putative, expressed
LOC_Os02g15070	Os02g0248800	glutelin, putative, expressed
LOC_Os02g16940	Os02g0269600	OsSub13 - Putative Subtilisin homologue, expressed
LOC_Os02g16995	Os02g0270100	expressed protein
LOC_Os02g17000	Os02g0270200	OsSub14 - Putative Subtilisin homologue, expressed
LOC_Os02g17020	None	hypothetical protein
LOC_Os02g17170	Os02g0271700	expressed protein
LOC_Os02g17180	None	OsFBX42 - F-box domain containing protein, expressed
LOC_Os02g18064	None	expressed protein
LOC_Os02g18150	Os02g0282600	expressed protein

LOC_Os02g18380	Os02g0284600	60S ribosomal protein L27-3, putative, expressed
LOC_Os02g18390	Os02g0284800	expressed protein
LOC_Os02g18400	None	hypothetical protein
LOC_Os02g18410	Os02g0285300	salt stress root protein RS1, putative, expressed
LOC_Os02g18420	None	expressed protein
LOC_Os02g29180	None	expressed protein
LOC_Os02g30760	None	expressed protein
LOC_Os02g31280	Os02g0517476	expressed protein
LOC_Os02g36414	Os02g0573500	transporter family protein, putative, expressed
LOC_Os02g36720	None	expressed protein
LOC_Os02g36910	None	transposon protein, putative, unclassified
LOC_Os02g37109	Os02g0581900	vegetative cell wall protein gp1 precursor, putative, expressed
LOC_Os02g40330	Os02g0616600	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g40710	Os02g0620500	ammonium transporter protein, putative, expressed
LOC_Os02g42560	Os02g0638200	expressed protein
LOC_Os02g43290	Os02g0648100	protein kinase domain containing protein, expressed
LOC_Os02g43460	Os02g0650800	required to maintain repression 1, putative, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g46560	Os02g0691500	helix-loop-helix DNA-binding protein, putative, expressed
LOC_Os02g47280	Os02g0701300	growth-regulating factor, putative, expressed
LOC_Os02g53750	Os02g0777800	tyrosine protein kinase domain containing protein, putative, expressed
LOC_Os02g56010	Os02g0803900	anthocyanidin 3-O-glucosyltransferase, putative, expressed
LOC_Os02g57620	Os02g0822100	Citrate transporter protein, putative, expressed
LOC_Os03g02010	Os03g0110800	DNA methyltransferase protein, putative, expressed
LOC_Os03g02030	Os03g0111100	folylpolyglutamate synthase, mitochondrial precursor, putative, expressed
LOC_Os03g02040	Os03g0111200	remorin, putative, expressed
LOC_Os03g02050	Os03g0111300	LTPL151 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os03g02060	None	hypothetical protein

LOC_Os03g02070	Os03g0111400	heavy-metal-associated domain-containing protein, putative, expressed
LOC_Os03g02080	Os03g0111500	expressed protein
LOC_Os03g02090	Os03g0111600	expressed protein
LOC_Os03g02110	Os03g0111800	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os03g02150	Os03g0112101, Os03g0112400	adapitin protein, putative, expressed
LOC_Os03g02160	Os03g0112700	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os03g02170	Os03g0112800	transmembrane and coiled-coil domain-containing protein 4, putative, expressed
LOC_Os03g02180	Os03g0112900	cytochrome P450, putative, expressed
LOC_Os03g02200	Os03g0113100	thymidine kinase, putative, expressed
LOC_Os03g02980	Os03g0122000	CAMK_CAMK_like_ULKh_APGy
LOC_Os03g03010	None	expressed protein
LOC_Os03g03890	Os03g0131000	protein kinase family protein, putative, expressed
LOC_Os03g06960	Os03g0165800	vesicle-associated membrane protein, putative, expressed
LOC_Os03g15250	Os03g0258000	lectin-like receptor kinase, putative, expressed
LOC_Os03g15550	Os03g0262000	phosphatidylinositol-4-phosphate 5-kinase, putative, expressed
LOC_Os03g17490	Os03g0283300	expressed protein
LOC_Os03g17500	Os03g0283400	expressed protein
LOC_Os03g17510	Os03g0283500	pentatricopeptide, putative, expressed
LOC_Os03g17520	Os03g0283600	CDP-alcohol phosphatidyltransferase, putative, expressed
LOC_Os03g17530	Os03g0283700	expressed protein
LOC_Os03g17540	Os03g0283800	TBC domain containing protein, expressed
LOC_Os03g18779	Os03g0299700	expressed protein
LOC_Os03g19436	Os03g0307333	expressed protein
LOC_Os03g19660	None	conserved hypothetical protein
LOC_Os03g24430	Os03g0358800	cytokinin-O-glucosyltransferase 3, putative, expressed
LOC_Os03g26329	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g27590	Os03g0393700	OsSCP18 - Putative Serine Carboxypeptidase homologue, expressed

LOC_Os03g38410	None	expressed protein
LOC_Os03g41110	Os03g0607700	ZOS3-14 - C2H2 zinc finger protein, expressed
LOC_Os03g45710	Os03g0659200, Os03g0659233	2Fe-2S iron-sulfur cluster binding domain containing protein, expressed
LOC_Os03g47149	None	expressed protein
LOC_Os03g51980	Os03g0729600	expressed protein
LOC_Os03g51984	Os03g0729700	differentiation protein, putative, expressed
LOC_Os03g51990	Os03g0729800	ACT domain containing protein, expressed
LOC_Os03g52000	Os03g0729900	BSD domain containing protein, expressed
LOC_Os03g52794	Os03g0738000	phosphatidylinositol kinase, putative, expressed
LOC_Os03g53010	Os03g0741000	acyl-desaturase, chloroplast precursor, putative, expressed
LOC_Os03g53020	Os03g0741100	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os03g53030	None	hypothetical protein
LOC_Os03g53080	Os03g0741700	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os03g53090	Os03g0741950	LRR-kinase protein, putative, expressed
LOC_Os03g53100	Os03g0742300	response regulator receiver domain containing protein, expressed
LOC_Os03g53110	Os03g0742400	CorA-like magnesium transporter protein, putative, expressed
LOC_Os03g53140	Os03g0742800	protein transport protein Sec23B, putative, expressed
LOC_Os03g56820	Os03g0780800	fatty acid hydroxylase, putative, expressed
LOC_Os03g57569	Os03g0789600	expressed protein
LOC_Os03g58830	Os03g0802900	BEE 1, putative, expressed
LOC_Os03g58920	Os03g0803900	galactosyltransferase family protein, putative, expressed
LOC_Os03g59050	Os03g0805200	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os03g59210	Os03g0806800	expressed protein
LOC_Os03g59220	Os03g0806900	cytochrome b-c1 complex subunit 7, putative, expressed
LOC_Os03g59225	Os03g0807000	expressed protein
LOC_Os03g59300	Os03g0807700	expressed protein
LOC_Os03g59310	Os03g0807800	ribosomal protein, putative, expressed

LOC_Os03g59330	Os03g0808000, Os03g0808150	polygalacturonase, putative, expressed
LOC_Os03g62560	None	expressed protein
LOC_Os03g63300	Os03g0850100	NLI interacting factor-like phosphatase, putative, expressed
LOC_Os04g04340	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g07630	None	hypothetical protein
LOC_Os04g10150	Os04g0180300	expressed protein
LOC_Os04g11330	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g16848	None	photosystem II reaction center protein H, putative
LOC_Os04g27320	None	transposon protein, putative, unclassified
LOC_Os04g28520	Os04g0353600	male sterility protein, putative, expressed
LOC_Os04g28530	None	expressed protein
LOC_Os04g28540	None	expressed protein
LOC_Os04g28980	Os04g0359075	expressed protein
LOC_Os04g32650	Os04g0398300	tRNA synthetase class II core domain containing protein, expressed
LOC_Os04g32660	Os04g0398500	cytochrome b-c1 complex subunit Rieske, mitochondrial precursor, putative, expressed
LOC_Os04g32670	Os04g0398600	exostosin family domain containing protein, expressed
LOC_Os04g40180	Os04g0477900	expressed protein
LOC_Os04g40600	Os04g0482000	peptide methionine sulfoxide reductase, putative, expressed
LOC_Os04g42889	None	expressed protein
LOC_Os04g42920	Os04g0508200	dehydrogenase, putative, expressed
LOC_Os04g42930	Os04g0508300	OsGrx_C2
LOC_Os04g42940	Os04g0508400	expressed protein
LOC_Os04g43080	None	hypothetical protein
LOC_Os04g46910	Os04g0555700	actin-depolymerizing factor, putative, expressed
LOC_Os04g51590	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g55350	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os04g55960	Os04g0653400	NADPH reductase, putative, expressed

LOC_Os05g11790	Os05g0208100	CAMK_KIN1/SNF1/Nim1_like expressed protein
LOC_Os05g16360	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os05g19420	None	Leucine Rich Repeat family protein, expressed
LOC_Os05g23250	Os05g0297800	OsSigP4 - Putative Type I Signal Peptidase homologue; employs a putative Ser/His catalytic dyad, expressed
LOC_Os05g23260	Os05g0297900	FAD-binding domain-containing protein, putative, expressed
LOC_Os05g28490	Os05g0353100	F-box domain containing protein, expressed
LOC_Os05g49530	Os05g0570500	zinc carboxypeptidase family protein, putative, expressed
LOC_Os06g05240	Os06g0144600	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os06g15850	None	cytochrome P450, putative, expressed
LOC_Os06g37224	Os06g0568600	retrotransposon protein, putative, unclassified, expressed
LOC_Os06g37310	None	photosystem II P680 chlorophyll A apoprotein, putative, expressed
LOC_Os06g39708	None	OsClp10 - Putative Clp protease homologue, expressed
LOC_Os06g39712	None	chloroplast 30S ribosomal protein S18, putative, expressed
LOC_Os06g39716	None	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os06g44030	Os06g0649500	retrotransposon protein, putative, unclassified, expressed
LOC_Os06g49420	Os06g0707800	expressed protein
LOC_Os07g01690	None	lectin-like receptor kinase, putative, expressed
LOC_Os07g03900	None	expressed protein
LOC_Os07g03980	None	leucine-rich repeat family protein, putative, expressed
LOC_Os07g03990	None	YABBY domain containing protein, putative, expressed
LOC_Os07g06620	Os07g0160100	hypothetical protein
LOC_Os07g09570	Os07g0193500	aminoacyl-tRNA synthetase, putative, expressed
LOC_Os07g09580	Os07g0193600	CAMK_KIN1/SNF1/Nim1_like_AMPKh
LOC_Os07g09610	Os07g0194100	expressed protein
LOC_Os07g09700	None	OsFBX220 - F-box domain containing protein, expressed
LOC_Os07g09710	Os07g0195300	OsFBX222 - F-box domain containing protein, expressed
LOC_Os07g09950	Os07g0198000	

LOC_Os07g10160	Os07g0201300	glucosyltransferase, putative, expressed
LOC_Os07g10254	Os07g0202400	expressed protein
LOC_Os07g10256	Os07g0202300	mitosis protein dim1, putative, expressed
LOC_Os07g10310	Os07g0203000	expressed protein
LOC_Os07g10320	Os07g0203100	expressed protein
LOC_Os07g10340	Os07g0203250	expressed protein
LOC_Os07g10350	Os07g0203300	S1 RNA binding domain containing protein, expressed
LOC_Os07g10390	Os07g0203700	cleavage and polyadenylation specificity factor, putative, expressed
LOC_Os07g10400	Os07g0203900, Os07g0203925	pentatricopeptide, putative, expressed
LOC_Os07g10410	Os07g0204000	AP2 domain containing protein, expressed
LOC_Os07g10420	Os07g0204100	expressed protein
LOC_Os07g10440	Os07g0204400	expressed protein
LOC_Os07g10460	Os07g0204500	5-nucleotidase surE, putative, expressed
LOC_Os07g10490	Os07g0204900	zeta-carotene desaturase, chloroplast/chromoplast precursor, putative, expressed
LOC_Os07g10495	Os07g0205000	expressed protein
LOC_Os07g10510	None	expressed protein
LOC_Os07g10535	None	expressed protein
LOC_Os07g10540	Os07g0205700	peptidase, M24 family protein, putative, expressed
LOC_Os07g10560	Os07g0206300	expressed protein
LOC_Os07g10650	None	hypothetical protein
LOC_Os07g10680	Os07g0207600	polygalacturonase, putative, expressed
LOC_Os07g10720	Os07g0208000	40S ribosomal protein S15a, putative, expressed
LOC_Os07g10780	Os07g0208600	remorin, putative, expressed
LOC_Os07g11020	Os07g0211500	rc - bHLH transcription factor regulating proanthocyanidin production in seeds, expressed
LOC_Os07g17460	Os07g0276000	OsFBL36 - F-box domain and LRR containing protein, expressed
LOC_Os07g17560	Os07g0277200	expressed protein
LOC_Os07g28090	Os07g0464600	ABC transporter, ATP-binding protein, putative, expressed

LOC_Os07g28110	Os07g0464700	cytochrome P450, putative, expressed
LOC_Os07g28150	None	hAT dimerisation domain containing protein, putative, expressed
LOC_Os07g29760	Os07g0480900	cysteine proteinase A494 precursor, putative, expressed
LOC_Os07g35050	Os07g0535100	OsFBX237 - F-box domain containing protein, expressed
LOC_Os08g03410	Os08g0127900	glutelin, putative, expressed
LOC_Os08g15306	None	chloroplast 50S ribosomal protein L20, putative, expressed
LOC_Os08g18079	Os08g0282200	expressed protein
LOC_Os08g32570	Os08g0421400	expressed protein
LOC_Os08g32600	Os08g0421800	STE_MEKK_st11_MAP3K
LOC_Os08g42910	Os08g0542000	peptidase, M24 family protein, putative, expressed
LOC_Os09g17329	Os09g0343200	expressed protein
LOC_Os09g38470	Os09g0557100	expressed protein
LOC_Os09g38580	Os09g0558300	cyclic nucleotide-gated ion channel, putative, expressed
LOC_Os09g38660	Os09g0559500	expressed protein
LOC_Os09g38670	Os09g0559600	thioredoxin, putative, expressed
LOC_Os09g38680	Os09g0559700	expressed protein
LOC_Os09g38690	Os09g0559800	transporter family protein, putative, expressed
LOC_Os09g38700	Os09g0559900	STRUBBELIG-RECEPTOR FAMILY 5 precursor, putative, expressed
LOC_Os09g39020	Os09g0563700	N-rich protein, putative, expressed
LOC_Os09g39050	Os09g0563950	OsFBX342 - F-box domain containing protein, expressed
LOC_Os09g39060	Os09g0564000	vignain precursor, putative, expressed
LOC_Os10g27460	None	expressed protein
LOC_Os10g39489	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os10g39500	Os10g0540800	expressed protein
LOC_Os10g39970	Os10g0547200	harpin-induced protein 1 domain containing protein, expressed
LOC_Os10g40000	None	retinol dehydrogenase 12, putative, expressed
LOC_Os10g41030	Os10g0559600, Os10g0559700	agenet domain containing protein, putative, expressed

LOC_Os10g41040	Os10g0559800	ternary complex factor MIP1, putative, expressed
LOC_Os10g41120	Os10g0560500	expressed protein
LOC_Os10g41160	Os10g0561000	expressed protein
LOC_Os10g41170	Os10g0561100	dehydrogenase, putative, expressed
LOC_Os10g41370	Os10g0563300	WD repeat-containing protein 8, putative, expressed
LOC_Os10g41380	Os10g0563400	expressed protein
LOC_Os10g41390	Os10g0563500, Os10g0563550	protein kinase domain containing protein, expressed
LOC_Os10g41410	Os10g0563700	nucleoside diphosphate kinase, putative, expressed
LOC_Os10g41510	Os10g0564800	calcineurin B, putative, expressed
LOC_Os10g41520	Os10g0564900	casein kinase II subunit beta-4, putative, expressed
LOC_Os10g41534	Os10g0565000	ICE-like protease p20 domain containing protein, expressed
LOC_Os11g04130	None	nodulin MtN21 family protein, putative, expressed
LOC_Os11g04950	Os11g0146700	splicing factor, putative, expressed
LOC_Os11g04954	Os11g0146800	DNA repair protein Rad51, putative, expressed
LOC_Os11g04980	Os11g0147000	acyl-CoA synthetase protein, putative, expressed
LOC_Os12g04970	Os12g0143700	retrotransposon protein, putative, unclassified, expressed
LOC_Os12g10930	Os12g0212300, Os12g0212366	NL0E, putative, expressed
LOC_Os12g11040	Os12g0214700	expressed protein
LOC_Os12g11060	None	hypothetical protein
LOC_Os12g11500	Os12g0217400	resistance protein SlVe1 precursor, putative, expressed
LOC_Os12g11610	None	expressed protein
LOC_Os12g11660	Os12g0218300	RALFL45 - Rapid ALkalinization Factor RALF family protein precursor, expressed
LOC_Os12g11690	Os12g0218600	expressed protein
LOC_Os12g11790	None	expressed protein
LOC_Os12g11840	Os12g0219900	hypothetical protein
LOC_Os12g31290	None	expressed protein
LOC_Os12g37110	Os12g0557900	OsFBD16 - F-box and FBD domain containing protein, expressed

LOC_Os12g43034	Os12g0625500	retrotransposon protein, putative, unclassified, expressed
LOC_Os12g43310	None	hypothetical protein
LOC_Os12g43330	None	expressed protein
LOC_Os12g43380	Os12g0628600	thaumatin, putative, expressed
LOC_Os12g43400	None	expressed protein
LOC_Os12g43510	Os12g0630600	expressed protein

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LOC_Os01g01090	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01100	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g01530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g01540	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01550	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g02629	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g03610	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g03720	Os01g0128000	MYB family transcription factor, putative, expressed
LOC_Os01g04510	None	expressed protein
LOC_Os01g04790	None	retrotransposon protein, putative, unclassified
LOC_Os01g05320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g07550	None	hypothetical protein
LOC_Os01g09060	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g09110	None	retrotransposon protein, putative, unclassified
LOC_Os01g11270	Os01g0210900	cytochrome P450, putative, expressed
LOC_Os01g12440	Os01g0224100	AP2 domain containing protein, expressed
LOC_Os01g12610	None	expressed protein
LOC_Os01g13620	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g14720	Os01g0249900	transcription regulator, putative, expressed
LOC_Os01g14730	None	retrotransposon protein, putative, unclassified

LOC_Os01g15150	None	expressed protein
LOC_Os01g17130	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g18020	None	retrotransposon protein, putative, unclassified
LOC_Os01g19010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g19710	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g20060	None	expressed protein
LOC_Os01g21210	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g21360	None	retrotransposon protein, putative, unclassified
LOC_Os01g21550	None	expressed protein
LOC_Os01g22050	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g22080	Os01g0324300	expressed protein
LOC_Os01g22830	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g22840	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g23180	None	retrotransposon protein, putative, unclassified
LOC_Os01g23239	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g23340	None	expressed protein
LOC_Os01g23480	None	expressed protein
LOC_Os01g24860	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g25050	None	expressed protein
LOC_Os01g27070	Os01g0368500	expressed protein
LOC_Os01g27320	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g27410	None	hypothetical protein
LOC_Os01g27449	Os01g0372100	expressed protein
LOC_Os01g27970	None	hypothetical protein
LOC_Os01g28020	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g28270	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g28660	Os01g0383500	expressed protein
LOC_Os01g28850	None	expressed protein

LOC_Os01g28970	Os01g0386500	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g28980	Os01g0386600	proton-dependent oligopeptide transport, putative, expressed
LOC_Os01g28989	Os01g0386700	expressed protein
LOC_Os01g29030	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29040	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29104	None	expressed protein
LOC_Os01g29200	None	transposon protein, putative, unclassified
LOC_Os01g29730	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g30970	Os01g0495200	PMR5, putative, expressed
LOC_Os01g31440	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g31450	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g31460	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g32530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g32550	None	hypothetical protein
LOC_Os01g33142	None	hypothetical protein
LOC_Os01g33580	None	retrotransposon, putative, centromere-specific
LOC_Os01g34510	None	hypothetical protein
LOC_Os01g34560	Os01g0529800	3-ketoacyl-CoA synthase, putative, expressed
LOC_Os01g34910	Os01g0533250	expressed protein
LOC_Os01g35610	None	expressed protein
LOC_Os01g35810	None	expressed protein
LOC_Os01g36120	None	expressed protein
LOC_Os01g36410	None	expressed protein
LOC_Os01g36720	Os01g0547600	transporter, major facilitator family, putative, expressed
LOC_Os01g36740	Os01g0548000	expressed protein
LOC_Os01g36760	Os01g0548600	expressed protein
LOC_Os01g36790	Os01g0548750	TKL_IRAK_DUF26-lf
LOC_Os01g39136	None	retrotransposon protein, putative, unclassified, expressed

LOC_Os01g39350	Os01g0575400	protein kinase domain containing protein, expressed
LOC_Os01g39490	None	expressed protein
LOC_Os01g39510	None	hypothetical protein
LOC_Os01g39520	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os01g39530	None	retrotransposon, putative, centromere-specific
LOC_Os01g39560	None	anthocyanin regulatory protein, putative, expressed
LOC_Os01g39570	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g39980	Os01g0581500	hypothetical protein
LOC_Os01g40120	Os01g0583300	expressed protein
LOC_Os01g44010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g46169	Os01g0650200	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os01g48650	None	expressed protein
LOC_Os01g48830	Os01g0680700	expressed protein
LOC_Os01g52910	Os01g0729800	expressed protein
LOC_Os01g53200	Os01g0732700	flavin monooxygenase, putative, expressed
LOC_Os01g53210	Os01g0733001	metal transporter Nramp3, putative, expressed
LOC_Os01g58024	None	NADPH-dependent oxidoreductase, putative, expressed
LOC_Os01g58049	None	photosystem I assembly protein ycf4, putative, expressed
LOC_Os01g58950	None	cytochrome P450, putative, expressed
LOC_Os01g58970	Os01g0803900	cytochrome P450, putative, expressed
LOC_Os01g59360	Os01g0808400	CAMK_CAMK_like
LOC_Os01g60560	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g61300	None	expressed protein
LOC_Os01g61460	Os01g0830700	leaf senescence related protein, putative, expressed
LOC_Os01g62520	None	retrotransposon protein, putative, unclassified
LOC_Os01g63040	Os01g0849900	expressed protein
LOC_Os01g64510	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g65000	None	ammonium transporter protein, putative, expressed

LOC_Os01g65130	Os01g0871800	peptide transporter, putative, expressed
LOC_Os01g71850	None	transposon protein, putative, unclassified, expressed
LOC_Os01g71940	None	retrotransposon protein, putative, unclassified
LOC_Os02g03750	Os02g0130200	polygalacturonase, putative, expressed
LOC_Os02g04360	None	expressed protein
LOC_Os02g06310	None	expressed protein
LOC_Os02g15360	Os02g0252600	expressed protein
LOC_Os02g17760	Os02g0278400	cytochrome P450, putative, expressed
LOC_Os02g18115	Os02g0282301	expressed protein
LOC_Os02g19540	Os02g0297900	OsFBX47 - F-box domain containing protein, expressed
LOC_Os02g20520	None	retrotransposon, putative, centromere-specific
LOC_Os02g24190	Os02g0438200	cyclin-T1-2, putative, expressed
LOC_Os02g24560	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g24576	None	chloroplast 30S ribosomal protein S7, putative, expressed
LOC_Os02g24586	None	uncharacterized protein ycf68, putative, expressed
LOC_Os02g24830	Os02g0447050	expressed protein
LOC_Os02g25755	Os02g0454950	expressed protein
LOC_Os02g25780	Os02g0455400	expressed protein
LOC_Os02g25800	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g25960	Os02g0457500	ankyrin repeat family protein, putative, expressed
LOC_Os02g25990	None	retrotransposon, putative, centromere-specific
LOC_Os02g26349	Os02g0461600	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os02g27210	None	hypothetical protein
LOC_Os02g27370	None	expressed protein
LOC_Os02g28170	Os02g0483500	transferase family protein, putative, expressed
LOC_Os02g28465	None	expressed protein
LOC_Os02g29570	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g29700	None	retrotransposon, putative, centromere-specific, expressed

LOC_Os02g30760	None	expressed protein
LOC_Os02g32910	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g39530	Os02g0608200	expressed protein
LOC_Os02g40330	Os02g0616600	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g47680	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os02g49170	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g50120	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os02g55770	Os02g0801300	expressed protein
LOC_Os03g13920	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os03g18070	Os03g0290300	omega-3 fatty acid desaturase, chloroplast precursor, putative, expressed
LOC_Os03g19660	None	conserved hypothetical protein
LOC_Os03g21170	None	expressed protein
LOC_Os03g21914	Os03g0337700	ATP binding protein, putative, expressed
LOC_Os03g22190	Os03g0341200	expressed protein
LOC_Os03g25450	Os03g0370500	h/ACA ribonucleoprotein complex subunit 4, putative, expressed
LOC_Os03g25640	Os03g0372900	OsFBX91 - F-box domain containing protein, expressed
LOC_Os03g25700	Os03g0373700	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os03g26044	Os03g0377600, Os03g0377700	CSLA5 - cellulose synthase-like family A; mannan synthase, expressed
LOC_Os03g26280	Os03g0379950	expressed protein
LOC_Os03g26329	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g34070	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g37430	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g37760	None	expressed protein
LOC_Os03g37770	Os03g0574200	expressed protein
LOC_Os03g37780	Os03g0574300	expressed protein
LOC_Os03g37810	Os03g0574600	expressed protein

LOC_Os03g41780	Os03g0614100	retrotransposon, putative, centromere-specific, expressed
LOC_Os03g41800	Os03g0614250	transposon protein, putative, unclassified, expressed
LOC_Os03g41810	Os03g0614400	hypothetical protein
LOC_Os03g41830	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g44370	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os03g60710	Os03g0821900	protein kinase domain containing protein, expressed
LOC_Os04g04600	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os04g12370	None	expressed protein
LOC_Os04g14890	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os04g15760	None	DEFL51 - Defensin and Defensin-like DEFL family, expressed
LOC_Os04g16732	None	NADPH-dependent oxidoreductase, putative, expressed
LOC_Os04g16742	None	NADPH-dependent oxidoreductase, putative, expressed
LOC_Os04g16792	None	uncharacterized protein ycf76, putative
LOC_Os04g16794	None	hypothetical protein
LOC_Os04g19740	Os04g0266900	transketolase, chloroplast precursor, putative, expressed
LOC_Os04g19750	None	OsFBL11 - F-box domain and LRR containing protein, expressed
LOC_Os04g19810	Os04g0267775	OsFBL12 - F-box domain and LRR containing protein, expressed
LOC_Os04g21780	None	expressed protein
LOC_Os04g22110	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g22290	None	expressed protein
LOC_Os04g24540	None	expressed protein
LOC_Os04g28520	Os04g0353600	male sterility protein, putative, expressed
LOC_Os04g28530	None	expressed protein
LOC_Os04g28540	None	expressed protein
LOC_Os04g41720	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os04g48710	Os04g0576500	expressed protein
LOC_Os05g04630	Os05g0137400	retrotransposon protein, putative, SINE subclass, expressed
LOC_Os05g08170	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed

LOC_Os05g20710	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os05g30540	None	retrotransposon protein, putative, unclassified
LOC_Os05g32020	Os05g0385650	expressed protein
LOC_Os05g32090	None	expressed protein
LOC_Os05g39630	None	expressed protein
LOC_Os06g11670	None	expressed protein
LOC_Os06g20140	None	aspartic proteininase nepenthesin-1 precursor, putative, expressed
LOC_Os06g20200	Os06g0306600	gibberellin receptor GID1L2, putative, expressed
LOC_Os06g23770	Os06g0346100	expressed protein
LOC_Os06g26080	None	expressed protein
LOC_Os06g26120	None	hypothetical protein
LOC_Os06g31280	Os06g0509900	THION1 - Plant thionin family protein precursor, putative, expressed
LOC_Os06g31800	None	THION2 - Plant thionin family protein precursor, expressed
LOC_Os06g31810	None	hypothetical protein
LOC_Os06g32290	None	THION10 - Plant thionin family protein precursor
LOC_Os06g32320	None	THION11 - Plant thionin family protein precursor
LOC_Os06g32480	Os06g0516432	expressed protein
LOC_Os06g32500	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os06g32550	None	THION14 - Plant thionin family protein precursor, putative, expressed
LOC_Os06g32650	None	expressed protein
LOC_Os06g32710	Os06g0518850	expressed protein
LOC_Os06g32720	Os06g0519400	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os06g32730	None	eukaryotic initiation factor iso-4F subunit p82-34, putative, expressed
LOC_Os06g40415	Os06g0606100	expressed protein
LOC_Os06g46438	None	NADPH-dependent oxidoreductase, putative
LOC_Os07g02030	Os07g0111100, Os07g0111301	thiamine pyrophosphate enzyme, N-terminal TPP binding domain containing protein, expressed
LOC_Os07g05930	None	expressed protein

LOC_Os07g08040	Os07g0177000	expressed protein
LOC_Os07g15610	None	hypothetical protein
LOC_Os07g15770	Os07g0261200	CCT motif family protein, expressed
LOC_Os07g15820	None	expressed protein
LOC_Os07g17390	Os07g0275100, Os07g0275201	PsbP, putative, expressed
LOC_Os07g17460	Os07g0276000	OsFBL36 - F-box domain and LRR containing protein, expressed
LOC_Os07g17550	None	hypothetical protein
LOC_Os07g17560	Os07g0277200	expressed protein
LOC_Os07g17770	Os07g0278400	tryptophanyl-tRNA synthetase, cytoplasmic, putative, expressed
LOC_Os07g20530	None	hypothetical protein
LOC_Os07g20880	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g23485	Os07g0417766	expressed protein
LOC_Os07g23900	Os07g0421000	OsFBX234 - F-box domain containing protein, expressed
LOC_Os07g27250	None	expressed protein
LOC_Os08g11200	Os08g0213200	retrotransposon protein, putative, unclassified, expressed
LOC_Os08g11220	Os08g0213400	expressed protein
LOC_Os08g11599	None	expressed protein
LOC_Os08g12160	Os08g0218700	expressed protein
LOC_Os08g15530	None	expressed protein
LOC_Os08g19550	Os08g0291700	expressed protein
LOC_Os08g22354	Os08g0314800	polyadenylate-binding protein, putative, expressed
LOC_Os08g22389	None	hypothetical protein
LOC_Os08g26210	None	expressed protein
LOC_Os09g06310	Os09g0238700	hypothetical protein
LOC_Os09g06930	None	hypothetical protein
LOC_Os10g04180	Os10g0131800	NB-ARC domain containing protein, expressed
LOC_Os10g04210	None	expressed protein

LOC_Os10g19919	Os10g0340301	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os10g21398	None	NADPH-dependent oxidoreductase, putative, expressed
LOC_Os10g26700	Os10g0407200	YGL010w, putative, expressed
LOC_Os10g34370	Os10g0484900	expressed protein
LOC_Os10g37680	None	expressed protein
LOC_Os11g01154	Os11g0102400, Os11g0102500	dehydrogenase, putative, expressed
LOC_Os11g01170	Os11g0102600	tonneau 1b, putative, expressed
LOC_Os11g01180	Os11g0102700	ulp1 protease family protein, putative, expressed
LOC_Os11g01200	Os11g0102900	senescence-induced receptor-like serine/threonine-protein kinase precursor, putative, expressed
LOC_Os11g01210	Os11g0103000	HCF152, putative, expressed
LOC_Os11g01400	Os11g0105200	expressed protein
LOC_Os11g01490	Os11g0106200	outer membrane protein, OMP85 family, putative, expressed
LOC_Os11g01530	Os11g0106700	ferritin-1, chloroplast precursor, putative, expressed
LOC_Os11g02770	None	expressed protein
LOC_Os11g02774	Os11g0120725	histidine triad family protein, putative, expressed
LOC_Os11g02820	Os11g0121300	CRP10 - Cysteine-rich family protein precursor, expressed
LOC_Os11g02850	None	expressed protein
LOC_Os11g03230	Os11g0125900	nucleoside-triphosphatase, putative, expressed
LOC_Os11g04160	Os11g0136450, Os11g0136500	dehydrogenase-phosphopantetheinyltransferase, putative, expressed
LOC_Os11g04210	Os11g0137200	hydroxymethylglutaryl-CoA lyase, putative, expressed
LOC_Os11g04230	Os11g0137400	transcription initiation factor, putative, expressed
LOC_Os11g04270	None	expressed protein
LOC_Os11g04280	Os11g0137666	zinc finger, C3HC4 type domain containing protein
LOC_Os11g15720	None	expressed protein
LOC_Os11g25490	None	expressed protein
LOC_Os11g28184	Os11g0471300	expressed protein

LOC_Os11g33360	None	hypothetical protein
LOC_Os11g45720	Os11g0683700	pectinesterase, putative, expressed
LOC_Os12g01180	Os12g0102300, Os12g0102350	WRKY57, expressed
LOC_Os12g03940	None	expressed protein
LOC_Os12g15390	None	expressed protein
LOC_Os12g19440	None	hypothetical protein
LOC_Os12g20260	None	expressed protein
LOC_Os12g22920	Os12g0417600	expressed protein
LOC_Os12g37630	Os12g0563400	domain of unknown function family protein, expressed
LOC_Os12g37740	Os12g0564800	resistance protein LR10, putative, expressed

Genes in rufipogon_SNP CLR

LOC_Os01g01530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g01540	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01550	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g02240	None	transposon protein, putative, unclassified, expressed
LOC_Os01g02610	Os01g0116000	protein kinase domain containing protein, expressed
LOC_Os01g02629	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g03452	None	transposon protein, putative, unclassified, expressed
LOC_Os01g03720	Os01g0128000	MYB family transcription factor, putative, expressed
LOC_Os01g03830	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g03880	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g04850	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g05320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g06530	Os01g0158850	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g06540	Os01g0158800	PHD finger protein, putative, expressed
LOC_Os01g06800	None	expressed protein

LOC_Os01g08450	Os01g0179700	ras-related protein, putative, expressed
LOC_Os01g08890	None	expressed protein
LOC_Os01g08930	Os01g0184500	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os01g12170	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g14260	None	transposon protein, putative, Ac/Ds sub-class
LOC_Os01g14450	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g14790	Os01g0250600	expressed protein
LOC_Os01g14990	Os01g0253800	GCRP6 - Glycine and cysteine rich family protein precursor, putative, expressed
LOC_Os01g15080	None	hypothetical protein
LOC_Os01g15420	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os01g17970	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g18000	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g18140	None	expressed protein
LOC_Os01g19010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g19710	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g19894	Os01g0304500	transposon protein, putative, unclassified, expressed
LOC_Os01g20060	None	expressed protein
LOC_Os01g20130	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g20140	None	latency associated nuclear antigen, putative, expressed
LOC_Os01g21490	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g22300	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g22309	None	hypothetical protein
LOC_Os01g22880	None	expressed protein
LOC_Os01g23070	Os01g0333600	expressed protein
LOC_Os01g23180	None	retrotransposon protein, putative, unclassified
LOC_Os01g23420	Os01g0336100	transposon protein, putative, unclassified, expressed
LOC_Os01g24130	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed

LOC_Os01g24360	None	retrotransposon protein, putative, unclassified
LOC_Os01g25065	None	ATP synthase subunit beta, putative, expressed
LOC_Os01g27070	Os01g0368500	expressed protein
LOC_Os01g27230	Os01g0369900	12-oxophytodienoate reductase, putative, expressed
LOC_Os01g27330	None	expressed protein
LOC_Os01g27670	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g27970	None	hypothetical protein
LOC_Os01g28020	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g28270	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g29040	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29104	None	expressed protein
LOC_Os01g32530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g32550	None	hypothetical protein
LOC_Os01g32610	Os01g0509700	expressed protein
LOC_Os01g33150	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g33940	None	expressed protein
LOC_Os01g34130	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g34510	None	hypothetical protein
LOC_Os01g35660	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g35789	Os01g0539400	expressed protein
LOC_Os01g35890	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g36370	None	transposon protein, putative, unclassified, expressed
LOC_Os01g39136	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g40120	Os01g0583300	expressed protein
LOC_Os01g40910	None	transposon protein, putative, unclassified
LOC_Os01g41430	Os01g0597800	UDP-glucuronosyl and UDP-glucosyl transferase, putative, expressed
LOC_Os01g41480	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g41810	Os01g0602400	cytochrome P450 72A1, putative, expressed

LOC_Os01g42400	None	STE_MEK_ste7_MAP2K
LOC_Os01g44010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g44970	Os01g0636500	polygalacturonase, putative, expressed
LOC_Os01g44980	Os01g0636600	peptide deformylase, putative, expressed
LOC_Os01g45010	Os01g0637000, Os01g0637050	expressed protein
LOC_Os01g45020	Os01g0637100	F-box protein interaction domain containing protein, expressed
LOC_Os01g45150	None	expressed protein
LOC_Os01g45160	Os01g0638800	expressed protein
LOC_Os01g46400	Os01g0652800	expressed protein
LOC_Os01g46410	Os01g0653100	leaf senescence related protein, putative, expressed
LOC_Os01g48640	Os01g0678100	expressed protein
LOC_Os01g48680	Os01g0678500	two pore calcium channel protein 1, putative, expressed
LOC_Os01g49420	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g50520	Os01g0700900	cytochrome P450 monooxygenase CYP711A12, putative, expressed
LOC_Os01g50560	None	expressed protein
LOC_Os01g50600	None	expressed protein
LOC_Os01g52920	Os01g0729900	expressed protein
LOC_Os01g54600	Os01g0750100	WRKY13, expressed
LOC_Os01g57942	None	cytochrome b6, putative, expressed
LOC_Os01g57945	None	cytochrome b6-f complex subunit 4, putative, expressed
LOC_Os01g57946	None	DNA-directed RNA polymerase subunit alpha, putative, expressed
LOC_Os01g57954	None	translation initiation factor IF-1, chloroplast, putative, expressed
LOC_Os01g57956	None	chloroplast 50S ribosomal protein L14, putative, expressed
LOC_Os01g57964	None	photosystem I P700 chlorophyll a apoprotein A1, putative, expressed
LOC_Os01g57966	None	photosystem I assembly protein ycf3, putative, expressed
LOC_Os01g58020	None	ribulose bisphosphate carboxylase large chain precursor, putative, expressed
LOC_Os01g58022	None	NADPH-dependent oxidoreductase, putative, expressed

LOC_Os01g58024	None	NADPH-dependent oxidoreductase, putative, expressed
LOC_Os01g58035	None	expressed protein
LOC_Os01g58038	None	photosystem II reaction center protein Z, putative, expressed
LOC_Os01g58039	None	uncharacterized protein ycf70, putative, expressed
LOC_Os01g58049	None	photosystem I assembly protein ycf4, putative, expressed
LOC_Os01g58444	Os01g0797900	expressed protein
LOC_Os01g58500	Os01g0798800	expressed protein
LOC_Os01g58510	Os01g0798900	NB-ARC domain containing protein, expressed
LOC_Os01g62960	None	hypothetical protein
LOC_Os01g64880	Os01g0869100	expressed protein
LOC_Os01g65902	None	apocytochrome f precursor, putative, expressed
LOC_Os01g65970	Os01g0882200	transcription factor HBP-1b, putative, expressed
LOC_Os01g68750	Os01g0916200	adaptein, putative, expressed
LOC_Os01g68760	Os01g0916300	WW domain containing protein, expressed
LOC_Os01g69890	Os01g0923200	expressed protein
LOC_Os01g71540	Os01g0942900	expressed protein
LOC_Os01g71624	Os01g0944100	expressed protein
LOC_Os01g71930	Os01g0947700	glycosyl hydrolases family 17 protein, expressed
LOC_Os01g71960	Os01g0948100	endonuclease, putative, expressed
LOC_Os01g72120	Os01g0949700	glutathione S-transferase, putative, expressed
LOC_Os01g73100	Os01g0962000	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g01765	Os02g0107251	expressed protein
LOC_Os02g05210	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g12654	Os02g0218300	expressed protein
LOC_Os02g13930	Os02g0234000	expressed protein
LOC_Os02g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os02g16930	None	hypothetical protein
LOC_Os02g17450	None	retrotransposon protein, putative, unclassified, expressed

LOC_Os02g17760	Os02g0278400	cytochrome P450, putative, expressed
LOC_Os02g20729	None	expressed protein
LOC_Os02g20940	Os02g0313500	CHCH domain containing protein, expressed
LOC_Os02g21570	Os02g0321000	expressed protein
LOC_Os02g21580	None	PPR repeat containing protein, expressed
LOC_Os02g24576	None	chloroplast 30S ribosomal protein S7, putative, expressed
LOC_Os02g24586	None	uncharacterized protein ycf68, putative, expressed
LOC_Os02g24612	None	ribosomal protein S2, putative, expressed
LOC_Os02g24614	None	DNA-directed RNA polymerase subunit beta, putative, expressed
LOC_Os02g24632	None	photosystem II 44 kDa reaction center protein, putative, expressed
LOC_Os02g28050	None	hypothetical protein
LOC_Os02g28530	None	expressed protein
LOC_Os02g28920	None	transposon protein, putative, unclassified, expressed
LOC_Os02g29570	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g29910	None	hypothetical protein
LOC_Os02g30280	Os02g0506100	expressed protein
LOC_Os02g30450	Os02g0507900	harpin-induced protein 1 domain containing protein, expressed
LOC_Os02g30460	Os02g0508000	uncharacterized protein MJ0304, putative, expressed
LOC_Os02g30480	Os02g0508200	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g36250	Os02g0571700	expressed protein
LOC_Os02g40870	Os02g0622200	phosphatidylinositol N-acetylglucosaminyltransferase subunit C, putative, expressed
LOC_Os02g41450	Os02g0623300	no apical meristem protein, putative, expressed
LOC_Os02g42030	None	hypothetical protein
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g45370	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g48560	Os02g0716500	fatty acid desaturase, putative, expressed
LOC_Os02g48840	Os02g0720300	dual specificity protein phosphatase, putative, expressed
LOC_Os02g49332	Os02g0725300	CSLE2 - cellulose synthase-like family E, expressed

LOC_Os02g50480	Os02g0738400	histidine kinase, putative, expressed
LOC_Os02g53690	Os02g0776900	growth regulating factor protein, putative, expressed
LOC_Os02g55840	Os02g0801900	expressed protein
LOC_Os02g56030	Os02g0804400	expressed protein
LOC_Os02g56080	Os02g0804800	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g56090	Os02g0808800	expressed protein
LOC_Os02g56460	Os02g0812400	dehydrogenase, putative, expressed
LOC_Os02g56740	Os02g0821600	translation initiation factor eIF-2B subunit epsilon, putative, expressed
LOC_Os02g57570	Os02g0822100	MATE efflux family protein, putative, expressed
LOC_Os02g57620	Os02g0822300	Citrate transporter protein, putative, expressed
LOC_Os02g57640	Os02g0822400	KH domain containing protein, putative, expressed
LOC_Os02g57650	Os02g0827500	No apical meristem protein, putative, expressed
LOC_Os02g58110	Os02g0827600	expressed protein
LOC_Os02g58120	Os02g0828100	oxidoreductase/ transition metal ion binding protein, putative, expressed
LOC_Os02g58160	Os02g0829200	expressed protein
LOC_Os02g58230	Os02g0829400	C2 domain containing protein, putative, expressed
LOC_Os02g58250	Os02g0829500	expressed protein
LOC_Os02g58260	Os02g0830801	metallo-beta-lactamase family protein, putative, expressed
LOC_Os02g58410	Os02g0830900	expressed protein
LOC_Os02g58440	Os02g0831100	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os03g05750	Os03g0152000	heavy-metal-associated domain-containing protein, putative, expressed
LOC_Os03g06610	Os03g0161600	expressed protein
LOC_Os03g09830	None	expressed protein
LOC_Os03g13920	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os03g23940	Os03g0355500	expressed protein
LOC_Os03g23950	Os03g0355600	adapitin protein, putative, expressed
LOC_Os03g24960	Os03g0365000	ulp1 protease family, C-terminal catalytic domain containing protein, expressed
LOC_Os03g24970	Os03g0365100	SWIM zinc finger family protein, putative

LOC_Os03g28920	None	expressed protein
LOC_Os03g29200	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g32190	Os03g0436500	transposon protein, putative, unclassified, expressed
LOC_Os03g32526	Os03g0440200	tRNA-splicing endonuclease positive effector-related, putative, expressed
LOC_Os03g36070	None	retrotransposon protein, putative, unclassified
LOC_Os03g40180	Os03g0598800	60S ribosomal protein L15, putative, expressed
LOC_Os03g42180	Os03g0618700	hypothetical protein
LOC_Os03g45710	Os03g0659200, Os03g0659233	2Fe-2S iron-sulfur cluster binding domain containing protein, expressed
LOC_Os03g46560	Os03g0668400	RPD1, putative, expressed
LOC_Os03g48260	Os03g0688200	expressed protein
LOC_Os03g48471	Os03g0690700	ATP synthase subunit alpha, putative, expressed
LOC_Os03g59760	Os03g0812200	RING finger protein 126, putative, expressed
LOC_Os03g59770	Os03g0812400	EF hand family protein, putative, expressed
LOC_Os04g02090	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g02970	Os04g0120100	subtilisin-like protease precursor, putative, expressed
LOC_Os04g03310	None	expressed protein
LOC_Os04g03320	Os04g0123125	jacalin-like lectin domain containing protein, expressed
LOC_Os04g03579	Os04g0125700	protein kinase, putative, expressed
LOC_Os04g04010	Os04g0129400	expressed protein
LOC_Os04g04020	Os04g0129500	protein transport protein Sec24-like, putative, expressed
LOC_Os04g04030	Os04g0129600	expressed protein
LOC_Os04g09350	Os04g0173300	expressed protein
LOC_Os04g10890	Os04g0187400, Os04g0189000	expressed protein
LOC_Os04g13430	Os04g0211600	expressed protein
LOC_Os04g13470	Os04g0212200	expressed protein
LOC_Os04g14290	None	hypothetical protein
LOC_Os04g16742	None	NADPH-dependent oxidoreductase, putative, expressed

LOC_Os04g16745	None	chloroplast 30S ribosomal protein S14, putative, expressed
LOC_Os04g16748	None	ATP synthase B chain, putative, expressed
LOC_Os04g16782	None	chloroplast 50S ribosomal protein L23, putative
LOC_Os04g16792	None	uncharacterized protein ycf76, putative
LOC_Os04g16794	None	hypothetical protein
LOC_Os04g16848	None	photosystem II reaction center protein H, putative
LOC_Os04g17050	Os04g0244400	glutaredoxin family protein, expressed
LOC_Os04g17064	Os04g0244500	expressed protein
LOC_Os04g17090	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g17490	Os04g0247600	expressed protein
LOC_Os04g18380	Os04g0255600	cytochrome P450, putative, expressed
LOC_Os04g19740	Os04g0266900	transketolase, chloroplast precursor, putative, expressed
LOC_Os04g20424	Os04g0272500	neural Wiskott-Aldrich syndrome protein, putative, expressed
LOC_Os04g20430	None	expressed protein
LOC_Os04g20800	Os04g0276400	pumilio domain-containing protein, putative, expressed
LOC_Os04g21880	Os04g0286800	expressed protein
LOC_Os04g21890	None	disease resistance protein RPM1, putative, expressed
LOC_Os04g21900	None	expressed protein
LOC_Os04g22380	Os04g0291000	short chain dehydrogenase/reductase protein, putative, expressed
LOC_Os04g25440	Os04g0320700	cytokinin-O-glucosyltransferase 2, putative, expressed
LOC_Os04g27700	None	expressed protein
LOC_Os04g28500	None	expressed protein
LOC_Os04g30920	None	expressed protein
LOC_Os04g30980	Os04g0379100, Os04g0379201	expressed protein
LOC_Os04g31000	Os04g0379300	methyltransferase domain containing protein, expressed
LOC_Os04g33340	Os04g0407400	expressed protein
LOC_Os04g40600	Os04g0482000	peptide methionine sulfoxide reductase, putative, expressed

LOC_Os04g53496	Os04g0626450, Os04g0626500	NBS-LRR disease resistance protein, putative, expressed
LOC_Os05g01390	None	retrotransposon protein, putative, unclassified
LOC_Os05g10270	None	expressed protein
LOC_Os05g14150	None	polygalacturonase precursor, putative, expressed
LOC_Os05g22940	Os05g0295300	acetyl-CoA carboxylase, putative, expressed
LOC_Os05g28090	Os05g0348100	expressed protein
LOC_Os05g31630	Os05g0381200	transposon protein, putative, unclassified, expressed
LOC_Os05g46390	Os05g0541600	OsFBX175 - F-box domain containing protein, expressed
LOC_Os05g49990	Os05g0575500	expressed protein
LOC_Os05g50110	Os05g0576700	oleosin, putative, expressed
LOC_Os06g05600	None	OsFBDUF31 - F-box and DUF domain containing protein, expressed
LOC_Os06g07340	Os06g0170366	hypothetical protein
LOC_Os06g07350	Os06g0170500	RNA-binding motif protein, putative, expressed
LOC_Os06g16070	None	receptor-like protein kinase 2 precursor, putative, expressed
LOC_Os06g16110	None	expressed protein
LOC_Os06g16150	Os06g0272700	expressed protein
LOC_Os06g16550	None	hypothetical protein
LOC_Os06g16820	None	expressed protein
LOC_Os06g18930	Os06g0293000, Os06g0293100	cadmium tolerance factor, putative, expressed
LOC_Os06g20370	Os06g0308300	microtubule associated protein, putative, expressed
LOC_Os06g20550	None	expressed protein
LOC_Os06g30470	Os06g0500100	expressed protein
LOC_Os06g36970	None	transposon protein, putative, unclassified, expressed
LOC_Os06g38590	Os06g0585950	receptor-like protein kinase precursor, putative, expressed
LOC_Os06g38710	None	expressed protein
LOC_Os06g38720	Os06g0586800	expressed protein
LOC_Os06g38740	None	expressed protein

LOC_Os06g39708	None	photosystem II P680 chlorophyll A apoprotein, putative, expressed
LOC_Os06g39712	None	OsClp10 - Putative Clp protease homologue, expressed
LOC_Os06g39716	None	chloroplast 30S ribosomal protein S18, putative, expressed
LOC_Os06g39728	None	cytochrome b559 subunit alpha, putative
LOC_Os06g39748	None	expressed protein
LOC_Os06g45360	Os06g0664100	peptidase, M24 family protein, putative, expressed
LOC_Os06g49505	Os06g0708832	arogenate dehydrogenase 1, chloroplast precursor, putative, expressed
LOC_Os06g49510	Os06g0708900	zinc knuckle family protein, putative, expressed
LOC_Os06g49530	Os06g0709100	OsFBX206 - F-box domain containing protein, expressed
LOC_Os06g49620	None	expressed protein
LOC_Os07g07790	Os07g0174400	LTPL75 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os07g07870	Os07g0175000	LTPL77 - Protease inhibitor/seed storage/LTP family protein precursor, putative, expressed
LOC_Os07g07880	Os07g0175100	trp repressor/replication initiator, putative, expressed
LOC_Os07g07890	Os07g0175200	expressed protein
LOC_Os07g07900	Os07g0175300	expressed protein
LOC_Os07g09490	Os07g0192800	ATPase, putative, expressed
LOC_Os07g11630	Os07g0216600	LTPL163 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os07g12510	Os07g0227600	AP2 domain containing protein, expressed
LOC_Os07g12940	None	expressed protein
LOC_Os07g13030	Os07g0234700	expressed protein
LOC_Os07g13040	Os07g0234600	expressed protein
LOC_Os07g13050	None	hypothetical protein
LOC_Os07g18930	Os07g0289400	expressed protein
LOC_Os07g19020	None	conserved hypothetical protein
LOC_Os07g19030	Os07g0290800	tic22-like family domain containing protein, expressed
LOC_Os07g23460	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os07g26740	Os07g0450000	60S ribosomal protein L44, putative, expressed

LOC_Os07g26750	None	expressed protein
LOC_Os07g26770	None	circumsporozoite protein precursor, putative
LOC_Os07g30410	Os07g0487300	TKL_IRAK_DUF26-la
LOC_Os07g30494	None	hypothetical protein
LOC_Os07g38930	Os07g0577300	glucan endo-1,3-beta-glucosidase precursor, putative, expressed
LOC_Os07g41930	Os07g0610200	DC1 domain-containing protein, putative, expressed
LOC_Os07g41980	Os07g0610700	C1-like domain containing protein, expressed
LOC_Os07g42030	Os07g0611200	DC1 domain-containing protein, putative, expressed
LOC_Os07g42080	Os07g0611600	expressed protein
LOC_Os08g10730	Os08g0208200	expressed protein
LOC_Os08g11599	None	expressed protein
LOC_Os08g12960	Os08g0226000	speckle-type POZ protein-like, putative, expressed
LOC_Os08g13040	Os08g0227000	hypothetical protein
LOC_Os08g15306	None	chloroplast 50S ribosomal protein L20, putative, expressed
LOC_Os08g15530	None	expressed protein
LOC_Os08g15540	None	expressed protein
LOC_Os08g15545	None	DEFL55 - Defensin and Defensin-like DEFL family, expressed
LOC_Os08g15560	None	hypothetical protein
LOC_Os08g17050	None	expressed protein
LOC_Os08g26210	None	expressed protein
LOC_Os08g44880	None	expressed protein
LOC_Os09g08910	None	ATP synthase, putative, expressed
LOC_Os09g12580	None	expressed protein
LOC_Os09g14870	None	expressed protein
LOC_Os09g21520	Os09g0383400	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os09g23210	None	retrotransposon protein, putative, unclassified
LOC_Os09g24810	Os09g0414500	ZF-HD protein dimerisation region containing protein, expressed
LOC_Os10g09360	Os10g0173800	SAM dependent carboxyl methyltransferase family protein, putative, expressed

LOC_Os10g10244	Os10g0182000	alanyl-tRNA synthetase, putative, expressed
LOC_Os10g10260	Os10g0182100	expressed protein
LOC_Os10g18870	Os10g0335000	dirigent, putative, expressed
LOC_Os10g21230	None	ATP synthase C chain, putative, expressed
LOC_Os10g21236	None	chloroplast ATP synthase a chain precursor, putative, expressed
LOC_Os10g22039	Os10g0364700	mitochondrial import inner membrane translocase subunit Tim17, putative, expressed
LOC_Os10g24070	Os10g0382300	expressed protein
LOC_Os10g25110	Os10g0390100	pumilio-family RNA binding repeat containing protein, expressed
LOC_Os10g28450	Os10g0420600	CAF1 family ribonuclease containing protein, expressed
LOC_Os10g33040	Os10g0468500	receptor-like protein kinase precursor, putative, expressed
LOC_Os11g02379	None	LTPL6 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os11g03380	Os11g0127700	expressed protein
LOC_Os11g03390	Os11g0127800	FHA domain containing protein, putative, expressed
LOC_Os11g03400	Os11g0127900	ribosomal protein, putative, expressed
LOC_Os11g03410	Os11g0128000	exostosin family domain containing protein, expressed
LOC_Os11g04020	Os11g0134900	major facilitator superfamily antiporter, putative, expressed
LOC_Os11g28470	Os11g0474500	expressed protein
LOC_Os11g30060	Os11g0493000	NBS-LRR type disease resistance protein Hom-B, putative, expressed
LOC_Os11g38270	Os11g0595400	hypothetical protein
LOC_Os11g39770	None	expressed protein
LOC_Os11g39840	Os11g0613400	expressed protein
LOC_Os11g39850	Os11g0613500	expressed protein
LOC_Os11g48060	Os11g0708100	laccase-22 precursor, putative, expressed
LOC_Os11g48064	None	hypothetical protein
LOC_Os12g07730	Os12g0176700	SWIRM domain containing protein, expressed
LOC_Os12g07740	Os12g0176800	eukaryotic translation initiation factor 2 subunit gamma, putative, expressed
LOC_Os12g10810	Os12g0211000	expressed protein
LOC_Os12g14630	None	retrotransposon protein, putative, LINE subclass, expressed

LOC_Os12g14910	None	hypothetical protein
LOC_Os12g23300	None	expressed protein
LOC_Os12g23310	Os12g0421300	expressed protein
LOC_Os12g23330	None	expressed protein
LOC_Os12g23550	Os12g0422800	expressed protein
LOC_Os12g28720	None	hypothetical protein
LOC_Os12g30950	Os12g0493200	F-box protein interaction domain containing protein, expressed
LOC_Os12g31090	None	hypothetical protein
LOC_Os12g33270	Os12g0517700	expressed protein
LOC_Os12g33952	None	expressed protein
LOC_Os12g34062	None	mitochondrial ribosomal protein S12, putative, expressed
LOC_Os12g34094	None	NADH-ubiquinone oxidoreductase chain 4, putative, expressed
LOC_Os12g34100	None	expressed protein
LOC_Os12g34108	None	ATP synthase protein 9, mitochondrial, putative, expressed
LOC_Os12g36680	Os12g0552800	expressed protein
LOC_Os12g39530	None	hypothetical protein

Genes in rufipogon_SV CLR

LOC_Os01g01270	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01560	Os01g0105300	transposon protein, putative, unclassified, expressed
LOC_Os01g02290	Os01g0113200	Ser/Thr receptor-like kinase, putative, expressed
LOC_Os01g02380	Os01g0114000	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g02720	Os01g0116600	elongation factor Tu, putative, expressed
LOC_Os01g02910	Os01g0118600	glycosyltransferase, putative, expressed
LOC_Os01g03420	Os01g0125000	seven in absentia protein family protein, putative, expressed
LOC_Os01g03720	Os01g0128000	MYB family transcription factor, putative, expressed
LOC_Os01g04230	Os01g0133900	inactive receptor kinase At2g26730 precursor, putative, expressed
LOC_Os01g04540	Os01g0137700	serine/threonine-protein kinase At1g18390 precursor, putative, expressed

LOC_Os01g04750	Os01g0140700	B3 DNA binding domain containing protein, expressed
LOC_Os01g05320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g06160	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g06200	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g06220	Os01g0155000	gibberellin receptor GID1L2, putative, expressed
LOC_Os01g06740	Os01g0160800	ribosome inactivating protein, putative, expressed
LOC_Os01g06800	None	expressed protein
LOC_Os01g07670	Os01g0171600	expressed protein
LOC_Os01g07700	Os01g0171800	expressed protein
LOC_Os01g07710	Os01g0171900	expressed protein
LOC_Os01g07720	Os01g0172000	dolichyl-P-Man Man-PP-dolichyl mannosyltransferase, putative, expressed
LOC_Os01g07730	Os01g0172100	phosphate/phosphoenolpyruvate translocator-related protein, putative, expressed
LOC_Os01g07740	Os01g0172200	DEAD-box ATP-dependent RNA helicase 14, putative, expressed
LOC_Os01g07750	Os01g0172300	expressed protein
LOC_Os01g07760	Os01g0172400	phospholipase D, putative, expressed
LOC_Os01g07770	Os01g0172600	peroxidase precursor, putative, expressed
LOC_Os01g07780	Os01g0172800	embryo-specific 3, putative, expressed
LOC_Os01g07790	Os01g0172900	polygalacturonase, putative, expressed
LOC_Os01g07810	Os01g0173100	protein of unknown function domain containing protein, expressed
LOC_Os01g08970	Os01g0184900	SSRP1-like FACT complex subunit, putative, expressed
LOC_Os01g09000	Os01g0185200	glutaminyl-tRNA synthetase, putative, expressed
LOC_Os01g09110	None	retrotransposon protein, putative, unclassified
LOC_Os01g10260	Os01g0199700	expressed protein
LOC_Os01g11710	Os01g0215700	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os01g13780	Os01g0239300	expressed protein
LOC_Os01g14170	None	expressed protein
LOC_Os01g14200	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g15010	Os01g0254000	miro, putative, expressed

LOC_Os01g15070	None	retrotransposon protein, putative, unclassified
LOC_Os01g15080	None	hypothetical protein
LOC_Os01g16230	Os01g0267800	TKL_IRAK_CR4L 2 - The CR4L subfamily has homology with Crinkly4, expressed
LOC_Os01g19100	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g19310	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g19910	None	expressed protein
LOC_Os01g20040	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g23570	None	hypothetical protein
LOC_Os01g24160	None	hypothetical protein
LOC_Os01g24720	None	expressed protein
LOC_Os01g27990	Os01g0377700	NPL4, putative, expressed
LOC_Os01g28270	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g31020	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g31629	Os01g0501000	expressed protein
LOC_Os01g32860	None	hypothetical protein
LOC_Os01g32870	Os01g0512100	heat shock protein DnaJ, putative, expressed
LOC_Os01g32964	Os01g0513100	protein phosphatase protein, putative, expressed
LOC_Os01g32980	Os01g0513200	mitochondrial carrier protein, putative, expressed
LOC_Os01g33000	Os01g0513400	expressed protein
LOC_Os01g33050	Os01g0514000	ribosomal protein L24, putative, expressed
LOC_Os01g33060	Os01g0514300	HEAT repeat family protein, putative, expressed
LOC_Os01g33960	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g35254	Os01g0536501	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g36110	None	expressed protein
LOC_Os01g37310	Os01g0553700, Os01g0553750	SWIM zinc finger family protein, putative, expressed
LOC_Os01g37320	Os01g0553800	expressed protein
LOC_Os01g37325	Os01g0553901	retrotransposon protein, putative, unclassified, expressed

LOC_Os01g39980	Os01g0581500	hypothetical protein
LOC_Os01g40410	Os01g0586500	transmembrane amino acid transporter protein, putative, expressed
LOC_Os01g43280	Os01g0620800	hydroquinone glucosyltransferase, putative, expressed
LOC_Os01g43774	Os01g0628000	cytochrome P450 72A1, putative, expressed
LOC_Os01g45550	Os01g0643300	auxin efflux carrier component, putative, expressed
LOC_Os01g46169	Os01g0650200	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os01g47400	Os01g0663300	OsMan01 - Endo-Beta-Mannanase, expressed
LOC_Os01g47410	Os01g0663400	aspartic proteinase oryzasin-1 precursor, putative, expressed
LOC_Os01g47420	Os01g0663500	pterin-4-alpha-carbinolamine dehydratase, putative, expressed
LOC_Os01g47480	Os01g0664366	expressed protein
LOC_Os01g47490	Os01g0664500	Lg106, putative, expressed
LOC_Os01g47500	Os01g0664851	expressed protein
LOC_Os01g47510	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g47530	Os01g0665200	CGMC_MAPKCMGC_2 6 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed
LOC_Os01g47540	Os01g0665300	NLI interacting factor-like phosphatase, putative, expressed
LOC_Os01g47550	Os01g0665400	kinase, pfkB family, putative, expressed
LOC_Os01g47680	Os01g0667100	60S ribosomal protein L18a-1, putative, expressed
LOC_Os01g48030	None	expressed protein
LOC_Os01g50849	Os01g0704400	expressed protein
LOC_Os01g54784	Os01g0751300	expressed protein
LOC_Os01g55974	Os01g0765000	deoxycytidylate deaminase, putative, expressed
LOC_Os01g57220	Os01g0780500, Os01g0780701	secretory carrier-associated membrane protein, putative, expressed
LOC_Os01g58300	None	expressed protein
LOC_Os01g59360	Os01g0808400	CAMK_CAMK_like 10 - CAMK includes calcium/calmodulin dependent protein kinases, expressed
LOC_Os01g62170	Os01g0839000	expressed protein
LOC_Os01g63770	Os01g0856500	transmembrane amino acid transporter protein, putative, expressed

LOC_Os01g64790	Os01g0868000	AP2 domain containing protein, expressed
LOC_Os01g66650	Os01g0890300	expressed protein
LOC_Os01g67200	None	ribosomal protein L13 family protein, putative, expressed
LOC_Os01g67620	None	expressed protein
LOC_Os01g68340	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g71390	Os01g0941300	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g72020	Os01g0948900	BTBA3 - Bric-a-Brac,Tramtrack, Broad Complex BTB domain with Ankyrin repeat region, expressed
LOC_Os01g72080	Os01g0949300	calmodulin-like protein 1, putative, expressed
LOC_Os01g72120	Os01g0949700	glutathione S-transferase, putative, expressed
LOC_Os02g01250	Os02g0102700	LSM domain containing protein, expressed
LOC_Os02g04020	Os02g0133100	expressed protein
LOC_Os02g04030	Os02g0133200	phosphatidylinositol transfer, putative, expressed
LOC_Os02g04040	Os02g0133300	RecF/RecN/SMC N terminal domain containing protein, expressed
LOC_Os02g04100	Os02g0133800	peptidase, T1 family, putative, expressed
LOC_Os02g04110	Os02g0133900	expressed protein
LOC_Os02g04120	Os02g0134000	cytidylyltransferase domain containing protein, expressed
LOC_Os02g04130	Os02g0134200	DUF1645 domain containing protein, putative, expressed
LOC_Os02g05210	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g06720	Os02g0162700, Os02g0162733	WD domain containing protein, putative, expressed
LOC_Os02g06910	Os02g0164900	auxin response factor 6, putative, expressed
LOC_Os02g07870	Os02g0175400	ATP synthase, putative, expressed
LOC_Os02g07880	Os02g0175500	DNA binding protein, putative, expressed
LOC_Os02g07900	Os02g0175700	ANTH/ENTH domain containing protein, putative, expressed
LOC_Os02g08030	Os02g0176900	aldose 1-epimerase, putative, expressed
LOC_Os02g09100	Os02g0183900	isoleucyl-tRNA synthetase, cytoplasmic, putative, expressed
LOC_Os02g09130	Os02g0184000	palmitoyltransferase TIP1, putative, expressed
LOC_Os02g09170	Os02g0184400	sucrose-phosphate synthase, putative, expressed

LOC_Os02g09840	Os02g0191700	serine/threonine-protein phosphatase 2A regulatory subunit B subunitbeta, putative, expressed
LOC_Os02g09960	Os02g0193000	LYK8, putative, expressed
LOC_Os02g12680	Os02g0218700	cytochrome P450, putative, expressed
LOC_Os02g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os02g17450	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g21370	None	hypothetical protein
LOC_Os02g22370	Os02g0329300	expressed protein
LOC_Os02g22374	Os02g0329600	expressed protein
LOC_Os02g27600	None	expressed protein
LOC_Os02g27920	Os02g0480800	retrotransposon protein, putative, unclassified
LOC_Os02g28140	Os02g0483300	expressed protein
LOC_Os02g28210	Os02g0484000	expressed protein
LOC_Os02g32370	Os02g0523800	inositol hexaphosphate kinase, putative, expressed
LOC_Os02g32880	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g32900	None	expressed protein
LOC_Os02g34510	Os02g0550100	vacuolar ATP synthase, putative, expressed
LOC_Os02g37834	Os02g0591000	expressed protein
LOC_Os02g41820	Os02g0628800	expressed protein
LOC_Os02g43550	Os02g0652000	cyclin, putative, expressed
LOC_Os02g43560	Os02g0652100	WRKY34, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g44420	None	conserved hypothetical protein
LOC_Os02g47460	Os02g0703450	expressed protein
LOC_Os02g51110	Os02g0745100	aquaporin protein, putative, expressed
LOC_Os02g52660	None	expressed protein
LOC_Os02g52950	Os02g0768700	expressed protein
LOC_Os02g57770	Os02g0823700	glycosyl hydrolases family 16, putative, expressed

LOC_Os02g57950	None	hypothetical protein
LOC_Os03g01150	Os03g0101100	palmitoyl-protein thioesterase 1 precursor, putative, expressed
LOC_Os03g07160	Os03g0167800	OsFBK11 - F-box domain and kelch repeat containing protein, expressed
LOC_Os03g07170	Os03g0168000	lactose permease-related, putative, expressed
LOC_Os03g07190	Os03g0168200	expressed protein
LOC_Os03g07220	Os03g0168400	PPR repeat domain containing protein, putative, expressed
LOC_Os03g07226	Os03g0168500	thioredoxin, putative, expressed
LOC_Os03g07234	Os03g0168550	pentatricopeptide, putative, expressed
LOC_Os03g07250	Os03g0168600	cytochrome P450, putative, expressed
LOC_Os03g07260	Os03g0168700	tetratricopeptide repeat domain containing protein, expressed
LOC_Os03g08480	Os03g0183100	rho termination factor, N-terminal domain containing protein, expressed
LOC_Os03g10800	Os03g0205700	BTBN4 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 NPH3 domain, expressed
LOC_Os03g10920	Os03g0207200	syntaxin 6, N-terminal domain containing protein, expressed
LOC_Os03g12450	Os03g0225500	nucleoporin, putative, expressed
LOC_Os03g12460	Os03g0225600	conserved oligomeric complex COG6 family protein, expressed
LOC_Os03g12610	Os03g0227300	DNA polymerase I, putative, expressed
LOC_Os03g12620	Os03g0227400	glycosyl hydrolases family 17, putative, expressed
LOC_Os03g13770	Os03g0240900	tubulin, putative, expressed
LOC_Os03g18230	Os03g0293600	expressed protein
LOC_Os03g18380	Os03g0294900	ubiquitin-activating enzyme, putative, expressed
LOC_Os03g18510	Os03g0296400	expressed protein
LOC_Os03g18990	Os03g0301900, Os03g0301950	expressed protein
LOC_Os03g24810	None	expressed protein
LOC_Os03g25070	Os03g0366200	CAMK_CAMK_like 18 - CAMK includes calcium/calmodulin dependent protein kinases, expressed
LOC_Os03g27590	Os03g0393700	OsSCP18 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os03g30160	Os03g0415400	OsFBK13 - F-box domain and kelch repeat containing protein, expressed

LOC_Os03g37360	None	expressed protein
LOC_Os03g37430	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g40650	Os03g0603300	bromodomain associated family protein, expressed
LOC_Os03g41675	Os03g0613100	expressed protein
LOC_Os03g43970	Os03g0641200	amino acid permease family protein, putative, expressed
LOC_Os03g45370	Os03g0656500	sodium/calcium exchanger protein, putative, expressed
LOC_Os03g47840	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g49880	Os03g0706500	TCP family transcription factor, putative, expressed
LOC_Os03g53010	Os03g0741000	acyl-desaturase, chloroplast precursor, putative, expressed
LOC_Os03g53090	Os03g0741950	LRR-kinase protein, putative, expressed
LOC_Os04g02600	None	retrotransposon protein, putative, LINE subclass, expressed
LOC_Os04g03440	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g10230	None	expressed protein
LOC_Os04g16770	None	photosynthetic reaction center protein, putative, expressed
LOC_Os04g16772	None	chloroplast 30S ribosomal protein S19, putative
LOC_Os04g16816	None	uncharacterized protein ycf72, putative
LOC_Os04g18010	Os04g0252200	cleavage and polyadenylation specificity factor subunit 1, putative, expressed
LOC_Os04g25150	Os04g0317400	pollen allergen, putative, expressed
LOC_Os04g29469	Os04g0363976	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g32030	Os04g0390100	heavy metal-associated domain containing protein, expressed
LOC_Os04g35520	Os04g0434800	OsAPx7 - Stromal Ascorbate Peroxidase encoding gene 5,8, expressed
LOC_Os04g35530	Os04g0434900	expressed protein
LOC_Os04g35534	Os04g0435000	expressed protein
LOC_Os04g35540	Os04g0435100	amino acid permease family protein, putative, expressed
LOC_Os04g40600	Os04g0482000	peptide methionine sulfoxide reductase, putative, expressed
LOC_Os04g44110	Os04g0521800	hydrolase, putative, expressed
LOC_Os04g44910	Os04g0531500	receptor like protein kinase, putative, expressed
LOC_Os04g50216	Os04g0592600	SNARE associated Golgi protein, putative, expressed

LOC_Os04g50660	Os04g0592700	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os04g50690	None	hypothetical protein
LOC_Os04g50730	Os04g0593700	RWD domain containing protein, expressed
LOC_Os04g50780	None	expressed protein
LOC_Os04g50790	Os04g0594400	RNA recognition motif, putative, expressed
LOC_Os04g50800	Os04g0594500	expressed protein
LOC_Os04g50860	Os04g0596300	expressed protein
LOC_Os04g51240	Os04g0601400	EF hand family protein, putative, expressed
LOC_Os04g51250	Os04g0601500	expressed protein
LOC_Os04g51320	Os04g0602300	transcription factor TF2, putative, expressed
LOC_Os04g51330	Os04g0602400	maltose excess protein 1-like, chloroplast precursor, putative, expressed
LOC_Os04g51340	Os04g0602500	pectinacetylesterase domain containing protein, expressed
LOC_Os04g51350	Os04g0602600	pentatricopeptide, putative, expressed
LOC_Os04g51390	Os04g0603000	aldose 1-epimerase, putative, expressed
LOC_Os04g51400	Os04g0603200	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os04g51410	Os04g0603400	expressed protein
LOC_Os04g52361	Os04g0613600	ribosomal protein S17, putative, expressed
LOC_Os04g56720	Os04g0662800	RCC2, putative, expressed
LOC_Os04g56730	Os04g0662900	repressor of RNA polymerase III transcription MAF1, putative, expressed
LOC_Os04g57870	Os04g0675000	expressed protein
LOC_Os05g05150	Os05g0143400	SLD5 - Putative GINS complex subunit, expressed
LOC_Os05g05160	Os05g0143500	CGMC_MAPKCGMC_2 1 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed
LOC_Os05g05170	Os05g0143600	jacalin-like lectin domain containing protein, expressed
LOC_Os05g05180	Os05g0143800	OsGH3 6 - Probable indole-3-acetic acid-amido synthetase, expressed
LOC_Os05g08980	Os05g0182700	expressed protein
LOC_Os05g11780	Os05g0208000	mitochondrial carrier protein, putative, expressed
LOC_Os05g25310	Os05g0317200	acyl-CoA synthetase protein, putative, expressed

LOC_Os05g27980	Os05g0346800	DUF260 domain containing protein, putative, expressed
LOC_Os05g39150	Os05g0467700	expressed protein
LOC_Os05g43570	Os05g0511400	AGC_AGC_other_NDRh_TRCd 2 - ACG kinases include homologs to PKA, PKG and PKC, expressed
LOC_Os06g02700	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os06g08390	Os06g0182400	Ser/Thr protein phosphatase family protein, putative, expressed
LOC_Os06g08400	Os06g0182500	LIM domain-containing protein, putative, expressed
LOC_Os06g10540	Os06g0207300	expressed protein
LOC_Os06g10560	Os06g0207500	leaf senescence related protein, putative, expressed
LOC_Os06g10670	Os06g0209100	aspartic proteinase nepenthesin-1 precursor, putative, expressed
LOC_Os06g10680	Os06g0209200	expressed protein
LOC_Os06g10690	Os06g0209300	PHD-finger domain containing protein, putative, expressed
LOC_Os06g10700	Os06g0209400	expressed protein
LOC_Os06g10990	Os06g0212900	DnaK family protein, putative, expressed
LOC_Os06g14340	None	hypothetical protein
LOC_Os06g30240	Os06g0497900	hypothetical protein
LOC_Os06g30740	None	expressed protein
LOC_Os06g30750	Os06g0503400	reticulon domain containing protein, putative, expressed
LOC_Os06g30770	Os06g0503700	CAF1 family ribonuclease containing protein, putative, expressed
LOC_Os06g39515	Os06g0596200	expressed protein
LOC_Os06g40490	Os06g0607000	glycosyl hydrolases family 17, putative, expressed
LOC_Os06g40500	Os06g0607100	expressed protein
LOC_Os06g40510	Os06g0607200	CRAL/TRIO domain containing protein, expressed
LOC_Os06g42440	None	expressed protein
LOC_Os06g42470	Os06g0630850	expressed protein
LOC_Os06g43640	Os06g0643900	Ser/Thr protein phosphatase family protein, putative, expressed
LOC_Os06g43650	Os06g0644100	secreted salivary protein, putative, expressed
LOC_Os06g43670	Os06g0644300, Os06g0644466	Leucine Rich Repeat family protein, expressed

LOC_Os06g43690	Os06g0644600	WD repeat-containing protein, putative, expressed
LOC_Os06g43700	Os06g0644700	transmembrane amino acid transporter protein, putative, expressed
LOC_Os06g43710	Os06g0644800	glucosidase II beta subunit-like domain containing protein, expressed
LOC_Os06g43720	Os06g0644900	expressed protein
LOC_Os06g43730	Os06g0645000	expressed protein
LOC_Os06g43740	Os06g0645100	OsFBX201 - F-box domain containing protein, expressed
LOC_Os06g43750	Os06g0645200	expressed protein
LOC_Os06g45040	Os06g0661200	B-box zinc finger family protein, putative, expressed
LOC_Os06g45060	Os06g0661500	expressed protein
LOC_Os06g45070	Os06g0661600	diphthamide biosynthesis protein 3, putative, expressed
LOC_Os06g45080	Os06g0661700	rabGAP/TBC domain-containing protein, putative, expressed
LOC_Os06g45090	Os06g0661766	expressed protein
LOC_Os06g45100	Os06g0661800	FAD binding domain of DNA photolyase domain containing protein, expressed
LOC_Os06g45130	Os06g0662100	expressed protein
LOC_Os06g45140	Os06g0662200	bZIP transcription factor domain containing protein, expressed
LOC_Os06g46380	Os06g0677500	rab geranylgeranyl transferase like protein, putative, expressed
LOC_Os06g46390	Os06g0677600	LSM domain containing protein, expressed
LOC_Os06g46400	Os06g0677700	ATCPSF30/CPSF30, putative, expressed
LOC_Os06g46460	Os06g0678500	expressed protein
LOC_Os06g46470	None	expressed protein
LOC_Os06g48040	Os06g0695600	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os06g51450	Os06g0731100	PHD-finger domain containing protein, expressed
LOC_Os06g51460	Os06g0731200	white-brown complex homolog protein, putative, expressed
LOC_Os06g51470	Os06g0731300	expressed protein
LOC_Os06g51480	Os06g0731400	expressed protein
LOC_Os06g51490	Os06g0731500	PHD-finger domain containing protein, putative, expressed
LOC_Os07g04190	Os07g0134200	receptor protein kinase CLAVATA1 precursor, putative, expressed
LOC_Os07g07020	Os07g0164600	mediator of RNA polymerase II transcription subunit 31, putative, expressed

LOC_Os07g08300	Os07g0180700	major facilitator superfamily antiporter, putative, expressed
LOC_Os07g08370	None	expressed protein
LOC_Os07g25580	None	expressed protein
LOC_Os07g36610	Os07g0551600	CSLF9 - cellulose synthase-like family F; beta1,3;1,4 glucan synthase, expressed
LOC_Os07g36730	None	expressed protein
LOC_Os07g37890	Os07g0566200	protein phosphatase 2C, putative, expressed
LOC_Os07g42560	None	expressed protein
LOC_Os07g42760	Os07g0619700	expressed protein
LOC_Os07g44580	None	photoreceptor-interacting protein-like, putative, expressed
LOC_Os07g49210	Os07g0692401, Os07g0692500, Os07g0692600	helicase conserved C-terminal domain containing protein, expressed
LOC_Os07g49240	Os07g0693000	MRH1, putative, expressed
LOC_Os08g02350	Os08g0116566	expressed protein
LOC_Os08g06430	Os08g0161700	mitochondrial NADH-ubiquinone oxidoreductase, putative, expressed
LOC_Os08g06450	Os08g0161800	cytidylyltransferase domain containing protein, expressed
LOC_Os08g06460	Os08g0161900	dnaJ domain containing protein, expressed
LOC_Os08g07590	Os08g0172700	expressed protein
LOC_Os08g07600	Os08g0172800	expressed protein
LOC_Os08g10580	Os08g0206700	expressed protein
LOC_Os08g10600	Os08g0206900	UTP--glucose-1-phosphate uridylyltransferase, putative, expressed
LOC_Os08g10612	Os08g0207300	expressed protein
LOC_Os08g14310	Os08g0241300	expressed protein
LOC_Os08g14320	Os08g0241400	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os08g14630	None	hypothetical protein
LOC_Os08g22852	Os08g0318400	expressed protein
LOC_Os08g22864	Os08g0318500	sec8 exocyst complex component specific domain containing protein, expressed
LOC_Os08g23180	Os08g0321000	fasciclin-like arabinogalactan protein 8 precursor, putative, expressed
LOC_Os08g29400	Os08g0382800,	OsFBX290 - F-box domain containing protein, expressed

LOC_Os08g31860	Os08g0383250	
LOC_Os08g33640	Os08g0412800	expressed protein
LOC_Os08g33650	Os08g0433200	expressed protein
	Os08g0433300,	
	Os08g0433350	SET domain-containing protein, putative, expressed
LOC_Os08g33660	Os08g0433400	MYB family transcription factor, putative, expressed
LOC_Os08g33670	Os08g0433500	no apical meristem protein, putative, expressed
LOC_Os08g35990	None	expressed protein
LOC_Os08g36030	Os08g0462800	plant viral response family protein, putative, expressed
LOC_Os08g36830	None	expressed protein
LOC_Os08g38100	Os08g0488100	LTPL131 - Protease inhibitor/seed storage/LTP family protein precursor, putative, expressed
LOC_Os08g38880	Os08g0497600	WD-40 repeat family protein, putative, expressed
LOC_Os08g38910	Os08g0498400	caffeooyl-CoA O-methyltransferase, putative, expressed
LOC_Os08g42720	Os08g0540000	solute carrier family 35 member F1, putative, expressed
LOC_Os08g44510	Os08g0559300	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase SPINDLY, putative, expressed
LOC_Os08g44520	Os08g0559400, Os08g0559501	peptidyl-prolyl cis-trans isomerase, putative, expressed
LOC_Os08g44530	Os08g0559600	dihydroxy-acid dehydratase, putative, expressed
LOC_Os08g44540	Os08g0559700	expressed protein
LOC_Os08g44560	Os08g0559900	expressed protein
LOC_Os09g03620	Os09g0123300	wall-associated receptor kinase-like 20 precursor, putative, expressed
LOC_Os09g03630	Os09g0123500	ankyrin, putative, expressed
LOC_Os09g07294	Os09g0247700	purity of essence, putative, expressed
LOC_Os09g07320	Os09g0248000	ethanol tolerance protein GEKO1, putative, expressed
LOC_Os09g16580	None	amidase family protein, putative, expressed
LOC_Os09g22410	Os09g0391501	pyruvate kinase-like, putative, expressed
LOC_Os09g24440	Os09g0409950,	expressed protein

LOC_Os09g27240	Os09g0410125, Os09g0410300	mitochondrial carrier protein, putative, expressed
LOC_Os09g33780	Os09g0444700	expressed protein
LOC_Os09g33790	Os09g0512700	snRK1-interacting protein 1, putative, expressed
LOC_Os09g33800	Os09g0512800	arabinogalactan protein, putative, expressed
LOC_Os09g33810	Os09g0512900	ankyrin repeat domain containing protein, putative, expressed
LOC_Os09g33820	Os09g0513000	lecithine cholesterol acyltransferase, putative, expressed
LOC_Os09g33850	Os09g0513100	osFTL4 FT-Like4 homologous to Flowering Locus T gene; contains Pfam profile PF01161: Phosphatidylethanolamine-binding protein, expressed
LOC_Os09g33860	Os09g0513500	protein kinase, putative, expressed
LOC_Os10g01570	Os10g0104900	C-5 cytosine-specific DNA methylase, putative, expressed
LOC_Os10g05069	Os10g0140200	lysosomal alpha-mannosidase precursor, putative, expressed
LOC_Os10g09200	Os10g0172600	expressed protein
LOC_Os10g10180	Os10g0181600	methyltransferase domain containing protein, putative, expressed
LOC_Os10g20235	Os10g0343050	expressed protein
LOC_Os10g20250	Os10g0343200	membrane associated DUF588 domain containing protein, putative, expressed
LOC_Os10g20610	Os10g0346300	laccase-15 precursor, putative, expressed
LOC_Os10g21860	Os10g0362700	expressed protein
LOC_Os10g21870	None	expressed protein
LOC_Os10g21880	Os10g0362900	expressed protein
LOC_Os10g31850	Os10g0456800	RING finger and CHY zinc finger domain-containing protein 1, putative, expressed
LOC_Os10g33650	Os10g0476300	CK1_CaseinKinase_1 9 - CK1 includes the casein kinase 1 kinases, expressed
LOC_Os10g33660	Os10g0476400	SNF7 domain containing protein, putative, expressed
LOC_Os10g33710	Os10g0477000	expressed protein
LOC_Os10g34540	Os10g0486900	tetratricopeptide repeat protein 1, putative, expressed
LOC_Os10g34550	Os10g0487000	expressed protein
LOC_Os10g34570	Os10g0487200	expressed protein
LOC_Os10g34580	Os10g0487300	FHA domain containing protein, putative, expressed

LOC_Os10g34590	Os10g0487400	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os10g34680	Os10g0488300	vacuolar protein sorting-associated protein 52, putative, expressed
LOC_Os10g34694	None	hypothetical protein
LOC_Os10g36470	Os10g0508400	peptidase, M24 family protein, putative, expressed
LOC_Os10g36490	Os10g0508500	HEAT repeat family protein, putative, expressed
LOC_Os10g39850	Os10g0545600	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os10g39860	Os10g0545700	expressed protein
LOC_Os10g39890	Os10g0546100	POEI31 - Pollen Ole e I allergen and extensin family protein precursor, putative, expressed
LOC_Os10g39900	Os10g0546200	glycosyltransferase family protein 1, putative, expressed
LOC_Os10g39910	Os10g0546300	expressed protein
LOC_Os10g39920	Os10g0546400	expressed protein
LOC_Os10g40040	Os10g0548100	expressed protein
LOC_Os10g40070	Os10g0548400	expressed protein
LOC_Os10g41310	Os10g0562700	DUF630/DUF632 domains containing protein, putative, expressed
LOC_Os10g41320	None	hypothetical protein
LOC_Os10g41360	Os10g0563200	ARABIDILLO-1, putative, expressed
LOC_Os10g41370	Os10g0563300	WD repeat-containing protein 8, putative, expressed
LOC_Os10g41380	Os10g0563400	expressed protein
LOC_Os10g41390	Os10g0563500, Os10g0563550	protein kinase domain containing protein, expressed
LOC_Os10g41410	Os10g0563700	nucleoside diphosphate kinase, putative, expressed
LOC_Os10g41420	Os10g0563800	expressed protein
LOC_Os10g41440	Os10g0564000	KH domain containing protein, putative, expressed
LOC_Os10g42170	Os10g0572000	GTPase of unknown function domain containing protein, putative, expressed
LOC_Os11g01480	Os11g0106100	MYB family transcription factor, putative, expressed
LOC_Os11g01490	Os11g0106200	outer membrane protein, OMP85 family, putative, expressed
LOC_Os11g01530	Os11g0106700	ferritin-1, chloroplast precursor, putative, expressed
LOC_Os11g01540	Os11g0106800	expressed protein

LOC_Os11g01570	Os11g0107000	PMR5, putative, expressed
LOC_Os11g01590	Os11g0107400	nodulin, putative, expressed
LOC_Os11g01594	Os11g0107450	expressed protein
LOC_Os11g01875	Os11g0110000	lipase-related, putative, expressed
LOC_Os11g01880	Os11g0110066	expressed protein
LOC_Os11g01890	Os11g0110100	expressed protein
LOC_Os11g02159	Os11g0112900	expressed protein
LOC_Os11g02165	None	LTPL57 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os11g02180	Os11g0113100	dual specificity protein phosphatase, putative, expressed
LOC_Os11g02190	Os11g0113200	expressed protein
LOC_Os11g03200	Os11g0125500	EMB2748, putative, expressed
LOC_Os11g03210	None	glutathione S-transferase, N-terminal domain containing protein
LOC_Os11g03220	Os11g0125700	RNA binding protein, putative, expressed
LOC_Os11g03230	Os11g0125900	nucleoside-triphosphatase, putative, expressed
LOC_Os11g03240	Os11g0126100	MATE efflux family protein, putative, expressed
LOC_Os11g03380	Os11g0127700	expressed protein
LOC_Os11g03390	Os11g0127800	FHA domain containing protein, putative, expressed
LOC_Os11g03400	Os11g0127900	ribosomal protein, putative, expressed
LOC_Os11g04160	Os11g0136450, Os11g0136500	dehydrogenase-phosphopantetheinyltransferase, putative, expressed
LOC_Os11g04174	Os11g0136701	expressed protein
LOC_Os11g04180	Os11g0136800	dual specificity protein phosphatase, putative, expressed
LOC_Os11g04200	Os11g0137100	M phase phosphoprotein 10, putative, expressed
LOC_Os11g04210	Os11g0137200	hydroxymethylglutaryl-CoA lyase, putative, expressed
LOC_Os11g04340	None	expressed protein
LOC_Os11g04350	Os11g0138900	cell death associated protein, putative, expressed
LOC_Os11g04370	Os11g0139100	ribosomal protein L24, putative, expressed
LOC_Os11g04570	Os11g0141500, Os11g0141550	GRAS family transcription factor containing protein, expressed

LOC_Os11g04660	Os11g0142400	strictosidine synthase, putative, expressed
LOC_Os11g04670	Os11g0142500	2-isopropylmalate synthase B, putative, expressed
LOC_Os11g04680	Os11g0142600, Os11g0142650	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os11g04690	Os11g0142800	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os11g04890	Os11g0145700	ASH-like SPRY domain containing protein, putative, expressed
LOC_Os11g04935	Os11g0146550	GIY-YIG catalytic domain containing protein, putative, expressed
LOC_Os11g04950	Os11g0146700	splicing factor, putative, expressed
LOC_Os11g05080	Os11g0148200	powdery mildew resistant protein 5, putative, expressed
LOC_Os11g05090	Os11g0148300	peptidyl-prolyl isomerase, putative, expressed
LOC_Os11g05100	Os11g0148400	nucleolar GTPase, putative, expressed
LOC_Os11g05120	Os11g0148600	expressed protein
LOC_Os11g05530	Os11g0153300	expressed protein
LOC_Os11g05540	Os11g0153400	rhoGAP domain containing protein, expressed
LOC_Os11g06810	Os11g0169100	expressed protein
LOC_Os11g06860	Os11g0169600	expressed protein
LOC_Os11g06870	Os11g0169700	glyoxal oxidase-related, putative, expressed
LOC_Os11g06900	Os11g0170000	amidase family protein, putative, expressed
LOC_Os11g10060	Os11g0207000	transcriptional corepressor SEUSS, putative, expressed
LOC_Os11g11410	Os11g0221000	OsIAA27 - Auxin-responsive Aux/IAA gene family member, expressed
LOC_Os11g14070	Os11g0245500	expressed protein
LOC_Os11g14300	Os11g0248200	la domain containing protein, expressed
LOC_Os11g16560	Os11g0267100	expressed protein
LOC_Os11g16580	Os11g0267300	endonuclease III-like protein 1, putative, expressed
LOC_Os11g16590	Os11g0267400	ATP-dependent Clp protease ATP-binding subunit clpA homolog CD4B, chloroplast precursor, putative, expressed
LOC_Os11g18830	Os11g0293300	survival motor neuron containing protein, expressed
LOC_Os11g18940	Os11g0294400	WW domain containing protein, expressed
LOC_Os11g23180	None	hypothetical protein

LOC_Os11g24440	None	expressed protein
LOC_Os11g25980	Os11g0446500	phospholipid-transporting ATPase 2, putative, expressed
LOC_Os11g26020	None	hypothetical protein
LOC_Os11g27300	Os11g0460900	expressed protein
LOC_Os11g29200	Os11g0482100	protein transport protein, putative, expressed
LOC_Os11g31930	None	expressed protein
LOC_Os11g32230	None	hypothetical protein
LOC_Os11g32250	Os11g0525500	expressed protein
LOC_Os11g32290	Os11g0525900	3-5 exonuclease eri-1, putative, expressed
LOC_Os11g47460	Os11g0700500	MYB family transcription factor, putative, expressed
LOC_Os12g01955	Os12g0110475	expressed protein
LOC_Os12g03094	Os12g0124300	expressed protein
LOC_Os12g04390	None	hypothetical protein
LOC_Os12g04400	None	expressed protein
LOC_Os12g05740	Os12g0153600	expressed protein
LOC_Os12g05780	Os12g0154000	transporter-related, putative, expressed
LOC_Os12g05790	None	expressed protein
LOC_Os12g05820	None	expressed protein
LOC_Os12g05840	Os12g0154700	Cupin domain containing protein, expressed
LOC_Os12g05920	Os12g0155300	ZOS12-01 - C2H2 zinc finger protein, expressed
LOC_Os12g06070	Os12g0156900	expressed protein
LOC_Os12g06100	Os12g0157200	TLD family protein, putative, expressed
LOC_Os12g06130	Os12g0157700	expressed protein
LOC_Os12g06490	Os12g0162100	STE_PAK_Ste20_Slob_Wnk 6 - STE kinases include homologs to sterile 7, sterile 11 and sterile 20 from yeast, expressed
LOC_Os12g06510	Os12g0162400	calcineurin B, putative, expressed
LOC_Os12g07160	Os12g0169100	plant protein of unknown function DUF869 domain containing protein, expressed
LOC_Os12g12370	Os12g0225200	outer envelope protein, putative, expressed

LOC_Os12g13090	None	expressed protein
LOC_Os12g13110	Os12g0233200	pentatricopeptide, putative, expressed
LOC_Os12g13120	Os12g0233300	histidine triad family protein, putative, expressed
LOC_Os12g13130	Os12g0233400	ZOS12-03 - C2H2 zinc finger protein, expressed
LOC_Os12g19304	Os12g0290150	Fe-S metabolism associated domain containing protein, expressed
LOC_Os12g32250	Os12g0507300, Os12g0507350	WRKY96, expressed
LOC_Os12g32260	Os12g0507400	expressed protein
LOC_Os12g32280	Os12g0507500	SWIB/MDM2 domain containing protein, expressed
LOC_Os12g37370	Os12g0560400	DNA-directed RNA polymerase II subunit RPB9, putative, expressed
LOC_Os12g37390	Os12g0560600	expressed protein
LOC_Os12g37400	Os12g0560700	MCM7 - Putative minichromosome maintenance MCM complex subunit 7, expressed
LOC_Os12g37410	Os12g0560900	CPuORF5 - conserved peptide uORF-containing transcript, expressed
LOC_Os12g37430	Os12g0561200	PAPA-1-like conserved region family protein, expressed
LOC_Os12g37480	Os12g0561500	invertase/pectin methylesterase inhibitor family protein, putative, expressed
LOC_Os12g37550	Os12g0562300	PPR repeat domain containing protein, putative, expressed
LOC_Os12g37570	Os12g0562500, Os12g0562600	protein kinase family protein, putative, expressed
LOC_Os12g37920	Os12g0566800	unc-93 homolog A, putative, expressed
LOC_Os12g37960	Os12g0567200	diaminopimelate epimerase, chloroplast precursor, putative, expressed
LOC_Os12g38570	Os12g0574000	transmembrane amino acid transporter protein, putative, expressed
LOC_Os12g38590	Os12g0574400	pumilio-family RNA binding repeat containing protein, expressed
LOC_Os12g38630	Os12g0574900	asparagine synthase family protein, expressed
LOC_Os12g38650	Os12g0575200	expressed protein
LOC_Os12g38795	None	RNA recognition motif containing protein, putative, expressed
LOC_Os12g38800	Os12g0577100	RNA recognition motif containing protein, putative, expressed
LOC_Os12g38810	Os12g0577200	expressed protein
LOC_Os12g38900	Os12g0578200	chorismate mutase, chloroplast precursor, putative, expressed
LOC_Os12g38910	Os12g0578300	expressed protein

LOC_Os12g38930	Os12g0578500	glycosyl transferase 8 domain containing protein, putative, expressed
LOC_Os12g39370	Os12g0583400	expressed protein
LOC_Os12g41200	Os12g0605100, Os12g0605200	KIP1, putative, expressed
LOC_Os12g41880	Os12g0613000	nuclear transcription factor Y subunit, putative, expressed
LOC_Os12g41900	Os12g0613200	SET domain containing protein, expressed
LOC_Os12g41920	Os12g0613300	single myb histone, putative, expressed
LOC_Os12g41930	Os12g0613500	SRP40, C-terminal domain containing protein, expressed
LOC_Os12g42876	Os12g0623900	5-methyltetrahydropteroylglutamate--homocysteine methyltransferase, putative, expressed
LOC_Os12g42900	Os12g0624100	lysine-rich arabinogalactan protein 19 precursor, putative, expressed
LOC_Os12g42970	Os12g0624900	GATA zinc finger domain containing protein, expressed
LOC_Os12g42980	Os12g0625000	cysteine synthase, putative, expressed

Table S9. GO analysis for genes from potentially selective regions (top 1% CLR) identified by SweeD.

GO term	Ontology	Description	Number in input list	Number in BG/Ref	p-value
Genes in indica_SNP CLR					
GO:0006468	Biological Process	protein amino acid phosphorylation	24	1570	0.0026
GO:0044267	Biological Process	cellular protein metabolic process	37	2877	0.0037
GO:0043687	Biological Process	post-translational protein modification	26	1815	0.0041
GO:0043412	Biological Process	macromolecule modification	27	1979	0.0064
GO:0016310	Biological Process	phosphorylation	24	1695	0.0066
GO:0006464	Biological Process	protein modification process	26	1929	0.0087
GO:0006820	Biological Process	anion transport	3	55	0.012
GO:0006796	Biological Process	phosphate metabolic process	24	1795	0.013
GO:0006793	Biological Process	phosphorus metabolic process	24	1795	0.013
GO:0009611	Biological Process	response to wounding	2	21	0.015
GO:0033615	Biological Process	mitochondrial proton-transporting ATP synthase complex assembly	1	1	0.016
GO:0009605	Biological Process	response to external stimulus	2	25	0.02
GO:0007131	Biological Process	reciprocal meiotic recombination	1	2	0.024
GO:0070071	Biological Process	proton-transporting two-sector ATPase complex assembly	1	2	0.024
GO:0009306	Biological Process	protein secretion	1	2	0.024
GO:0006890	Biological Process	retrograde vesicle-mediated transport, GOIgi to ER	1	2	0.024
GO:0070272	Biological Process	proton-transporting ATP synthase complex biogenesis	1	2	0.024
GO:0007127	Biological Process	meiosis I	1	2	0.024
GO:0043461	Biological Process	proton-transporting ATP synthase complex assembly	1	2	0.024
GO:0009755	Biological Process	hormone-mediated signaling pathway	1	3	0.032
GO:0051327	Biological Process	M phase of meiotic cell cycle	1	3	0.032
GO:0007126	Biological Process	meiosis	1	3	0.032
GO:0051321	Biological Process	meiotic cell cycle	1	3	0.032
GO:0032870	Biological Process	cellular response to hormone stimulus	1	3	0.032

GO:0071369	Biological Process	cellular response to ethylene stimulus	1	3	0.032
GO:0009723	Biological Process	response to ethylene stimulus	1	3	0.032
GO:0071495	Biological Process	cellular response to endogenous stimulus	1	3	0.032
GO:0071310	Biological Process	cellular response to organic substance	1	3	0.032
GO:0009873	Biological Process	ethylene mediated signaling pathway	1	3	0.032
GO:0006438	Biological Process	valyl-tRNA aminoacylation	1	5	0.048
GO:0007165	Biological Process	signal transduction	5	240	0.05
GO:0022836	Molecular Function	gated channel activity	4	59	0.0017
GO:0004672	Molecular Function	protein kinase activity	24	1575	0.0027
GO:0015267	Molecular Function	channel activity	4	69	0.003
GO:0005216	Molecular Function	ion channel activity	4	69	0.003
GO:0022838	Molecular Function	substrate-specific channel activity	4	69	0.003
GO:0022803	Molecular Function	passive transmembrane transporter activity	4	69	0.003
GO:0004866	Molecular Function	endopeptidase inhibitor activity	4	72	0.0034
GO:0030414	Molecular Function	peptidase inhibitor activity	4	72	0.0034
GO:0005524	Molecular Function	ATP binding	39	3085	0.0039
GO:0032559	Molecular Function	adenyl ribonucleotide binding	39	3087	0.0039
GO:0032555	Molecular Function	purine ribonucleotide binding	41	3292	0.0039
GO:0032553	Molecular Function	ribonucleotide binding	41	3292	0.0039
GO:0016773	Molecular Function	phosphotransferase activity, alcohol group as acceptor	25	1726	0.0042
GO:0022832	Molecular Function	voltage-gated channel activity	3	38	0.0045
GO:0005244	Molecular Function	voltage-gated ion channel activity	3	38	0.0045
GO:0004869	Molecular Function	cysteine-type endopeptidase inhibitor activity	2	11	0.0048
GO:0016301	Molecular Function	kinase activity	25	1750	0.005
GO:0004674	Molecular Function	protein serine/threonine kinase activity	22	1478	0.0053
GO:0000166	Molecular Function	nucleotide binding	46	3874	0.0054
GO:0001882	Molecular Function	nucleoside binding	40	3257	0.0056
GO:0008509	Molecular Function	anion transmembrane transporter activity	3	44	0.0066
GO:0017076	Molecular Function	purine nucleotide binding	41	3456	0.0089
GO:0001883	Molecular Function	purine nucleoside binding	39	3247	0.0089

GO:0030554	Molecular Function	adenyl nucleotide binding	39	3247	0.0089
GO:0005253	Molecular Function	anion channel activity	2	18	0.011
GO:0008308	Molecular Function	voltage-gated anion channel activity	2	18	0.011
GO:0070008	Molecular Function	serine-type exopeptidase activity	3	61	0.015
GO:0004185	Molecular Function	serine-type carboxypeptidase activity	3	61	0.015
GO:0004315	Molecular Function	3-oxoacyl-[acyl-carrier-protein] synthase activity	1	1	0.016
GO:0051020	Molecular Function	GTPase binding	1	1	0.016
GO:0004180	Molecular Function	carboxypeptidase activity	3	63	0.017
		oxidoreductase activity, acting on sulfur group of donors	3	75	0.026
GO:0016667	Molecular Function	magnesium ion binding	4	134	0.026
GO:0000287	Molecular Function	exopeptidase activity	3	82	0.032
GO:0008238	Molecular Function	anion exchanger activity	1	3	0.032
GO:0015380	Molecular Function	inorganic anion exchanger activity	1	3	0.032
GO:0005452	Molecular Function	anion:anion antiporter activity	1	3	0.032
GO:0015301	Molecular Function	phosphoglycerate dehydrogenase activity	1	3	0.032
GO:0004617	Molecular Function	phosphoglycerate mutase activity	1	3	0.032
GO:0004619	Molecular Function	structural molecule activity	8	462	0.039
GO:0005198	Molecular Function	catalase activity	1	4	0.04
GO:0004096	Molecular Function	enzyme inhibitor activity	4	157	0.043
GO:0004857	Molecular Function	ion transmembrane transporter activity	7	389	0.043
GO:0015075	Molecular Function	glutamate decarboxylase activity	1	5	0.048
GO:0004351	Molecular Function	valine-tRNA ligase activity	1	5	0.048
GO:0004832	Molecular Function	Golgi-associated vesicle membrane	2	15	0.0082
GO:0030660	Cellular Component	Golgi-associated vesicle	2	15	0.0082
GO:0005798	Cellular Component	coated vesicle membrane	2	25	0.02
GO:0030662	Cellular Component	vesicle membrane	2	25	0.02
GO:0012506	Cellular Component	vesicle coat	2	25	0.02
GO:0030120	Cellular Component	coated vesicle	2	25	0.02
GO:0030135	Cellular Component	cytoplasmic vesicle membrane	2	25	0.02
GO:0030659	Cellular Component		2	25	0.02

GO:0016023	Cellular Component	cytoplasmic membrane-bounded vesicle	2	26	0.022
GO:0031988	Cellular Component	membrane-bounded vesicle	2	26	0.022
GO:0009986	Cellular Component	cell surface	1	2	0.024
GO:0000139	Cellular Component	Golgi membrane	2	29	0.026
GO:0044433	Cellular Component	cytoplasmic vesicle part	2	33	0.033
GO:0031982	Cellular Component	vesicle	2	34	0.034
GO:0031410	Cellular Component	cytoplasmic vesicle	2	34	0.034
GO:0031090	Cellular Component	organelle membrane	5	228	0.042
GO:0005905	Cellular Component	coated pit	1	5	0.048
GO:0030132	Cellular Component	clathrin coat of coated pit	1	5	0.048

Genes in indica_SV CLR

GO:0030488	Biological Process	tRNA methylation	1	3	0.014
GO:0055072	Biological Process	iron ion homeostasis	1	4	0.017
GO:0009098	Biological Process	leucine biosynthetic process	1	4	0.017
GO:0006879	Biological Process	cellular iron ion homeostasis	1	4	0.017
GO:0006551	Biological Process	leucine metabolic process	1	4	0.017
GO:0030005	Biological Process	cellular di-, tri-valent inorganic cation homeostasis	1	5	0.021
GO:0055066	Biological Process	di-, tri-valent inorganic cation homeostasis	1	5	0.021
GO:0006826	Biological Process	iron ion transport	1	7	0.028
GO:0006873	Biological Process	cellular ion homeostasis	1	7	0.028
GO:0030003	Biological Process	cellular cation homeostasis	1	7	0.028
GO:0055082	Biological Process	cellular chemical homeostasis	1	7	0.028
GO:0006771	Biological Process	riboflavin metabolic process	1	9	0.035
GO:0001510	Biological Process	RNA methylation	1	9	0.035
GO:0042727	Biological Process	riboflavin and derivative biosynthetic process	1	9	0.035
GO:0042726	Biological Process	riboflavin and derivative metabolic process	1	9	0.035
GO:0009231	Biological Process	riboflavin biosynthetic process	1	9	0.035
GO:0015914	Biological Process	phospholipid transport	1	10	0.038
GO:0006400	Biological Process	tRNA modification	1	11	0.041

GO:0050801	Biological Process	ion homeostasis	1	13	0.048
GO:0048878	Biological Process	chemical homeostasis	1	13	0.048
GO:0055080	Biological Process	cation homeostasis	1	13	0.048
GO:0009082	Biological Process	branched chain family amino acid biosynthetic process	1	13	0.048
GO:0003852	Molecular Function	2-isopropylmalate synthase activity	1	2	0.011
GO:0008531	Molecular Function	riboflavin kinase activity	1	2	0.011
GO:0046872	Molecular Function	metal ion binding	29	5476	0.011
GO:0008199	Molecular Function	ferric iron binding	1	3	0.014
GO:0016429	Molecular Function	tRNA (adenine-N1)-methyltransferase activity	1	3	0.014
GO:0016426	Molecular Function	tRNA (adenine)-methyltransferase activity	1	3	0.014
GO:0046914	Molecular Function	transition metal ion binding	26	4875	0.016
GO:0008097	Molecular Function	5S rRNA binding	1	4	0.017
GO:0043169	Molecular Function	cation binding	29	5696	0.019
GO:0043167	Molecular Function	ion binding	29	5700	0.019
GO:0015662	Molecular Function	ATPase activity, coupled to transmembrane movement of ions, phosphorylative mechanism	2	67	0.025
GO:0004470	Molecular Function	malic enzyme activity	1	7	0.028
GO:0008270	Molecular Function	zinc ion binding	21	3939	0.032
GO:0008553	Molecular Function	hydrogen-exporting ATPase activity, phosphorylative mechanism	1	9	0.035
GO:0016671	Molecular Function	oxidoreductase activity, acting on sulfur group of donors, disulfide as acceptor	1	9	0.035
GO:0016887	Molecular Function	ATPase activity	4	355	0.038
GO:0004012	Molecular Function	phospholipid-translocating ATPase activity	1	10	0.038
GO:0008175	Molecular Function	tRNA methyltransferase activity	1	10	0.038
GO:0005548	Molecular Function	phospholipid transporter activity	1	10	0.038
GO:0015247	Molecular Function	aminophospholipid transporter activity	1	10	0.038
GO:0017111	Molecular Function	nucleoside-triphosphatase activity	6	726	0.044
GO:0046912	Molecular Function	transferase activity, transferring acyl groups, acyl groups converted into alkyl on transfer	1	12	0.045

GO:0042625	Molecular Function	ATPase activity, coupled to transmembrane movement of ions	2	94	0.045
GO:0004525	Molecular Function	ribonuclease III activity	1	13	0.048
GO:0016462	Molecular Function	pyrophosphatase activity	6	743	0.049
GO:0031227	Cellular Component	intrinsic to endoplasmic reticulum membrane	2	23	0.0035
GO:0031300	Cellular Component	intrinsic to organelle membrane	2	37	0.0083
GO:0042175	Cellular Component	nuclear envelope-endoplasmic reticulum network	2	47	0.013
GO:0005789	Cellular Component	endoplasmic reticulum membrane	2	47	0.013
GO:0044432	Cellular Component	endoplasmic reticulum part	2	49	0.014
GO:0071212	Cellular Component	subsynaptic reticulum	2	49	0.014
GO:0030176	Cellular Component	integral to endoplasmic reticulum membrane	1	3	0.014
GO:0008076	Cellular Component	voltage-gated potassium channel complex	1	5	0.021
GO:0034702	Cellular Component	ion channel complex	1	5	0.021
GO:0034703	Cellular Component	cation channel complex	1	5	0.021
GO:0034705	Cellular Component	potassium channel complex	1	5	0.021
GO:0031226	Cellular Component	intrinsic to plasma membrane	1	10	0.038
GO:0005887	Cellular Component	integral to plasma membrane	1	10	0.038

Genes in japonica_SNP CLR

GO:0022900	Biological Process	electron transport chain	5	60	0.00017
GO:0022904	Biological Process	respiratory electron transport chain	3	28	0.0019
GO:0055114	Biological Process	oxidation reduction	21	1351	0.0033
GO:0019538	Biological Process	protein metabolic process	50	4333	0.0046
GO:0016310	Biological Process	phosphorylation	24	1695	0.0055
GO:0045333	Biological Process	cellular respiration	3	48	0.0079
GO:0006468	Biological Process	protein amino acid phosphorylation	22	1570	0.0087
GO:0006793	Biological Process	phosphorus metabolic process	24	1795	0.011
GO:0006796	Biological Process	phosphate metabolic process	24	1795	0.011
GO:0015980	Biological Process	energy derivation by oxidation of organic compounds	3	54	0.011
GO:0000279	Biological Process	M phase	2	19	0.012

GO:0022403	Biological Process	cell cycle phase	2	20	0.013
GO:0009808	Biological Process	lignin metabolic process	2	21	0.014
GO:0046274	Biological Process	lignin catabolic process	2	21	0.014
GO:0046271	Biological Process	phenylpropanoid catabolic process	2	21	0.014
GO:0042219	Biological Process	cellular amino acid derivative catabolic process	2	21	0.014
GO:0006091	Biological Process	generation of precursor metabolites and energy	6	243	0.015
GO:0019748	Biological Process	secondary metabolic process	3	64	0.017
GO:0009698	Biological Process	phenylpropanoid metabolic process	2	24	0.018
GO:0016192	Biological Process	vesicle-mediated transport	5	186	0.019
GO:0022402	Biological Process	cell cycle process	2	25	0.02
GO:0009767	Biological Process	photosynthetic electron transport chain	2	26	0.021
GO:0007131	Biological Process	reciprocal meiotic recombination	1	2	0.024
GO:0007127	Biological Process	meiosis I	1	2	0.024
GO:0044267	Biological Process	cellular protein metabolic process	33	2877	0.024
GO:0007049	Biological Process	cell cycle	2	30	0.027
GO:0019439	Biological Process	aromatic compound catabolic process	2	31	0.029
GO:0043412	Biological Process	macromolecule modification	24	1979	0.03
GO:0006426	Biological Process	glycyl-tRNA aminoacylation	1	3	0.032
GO:0051327	Biological Process	M phase of meiotic cell cycle	1	3	0.032
GO:0007126	Biological Process	meiosis	1	3	0.032
GO:0051321	Biological Process	meiotic cell cycle	1	3	0.032
GO:0043687	Biological Process	post-translational protein modification	22	1815	0.037
GO:0006464	Biological Process	protein modification process	23	1929	0.039
GO:0050821	Biological Process	protein stabilization	1	4	0.039
GO:0009775	Biological Process	photosynthetic electron transport in cytochrome b6/f	1	4	0.039
GO:0006102	Biological Process	isocitrate metabolic process	1	4	0.039
GO:0031647	Biological Process	regulation of protein stability	1	4	0.039
GO:0044255	Biological Process	cellular lipid metabolic process	5	229	0.04
GO:0046039	Biological Process	GTP metabolic process	1	5	0.047
GO:0046036	Biological Process	CTP metabolic process	1	5	0.047

GO:0009209	Biological Process	pyrimidine ribonucleoside triphosphate biosynthetic process	1	5	0.047
GO:0009208	Biological Process	pyrimidine ribonucleoside triphosphate metabolic process	1	5	0.047
GO:0009148	Biological Process	pyrimidine nucleoside triphosphate biosynthetic process	1	5	0.047
GO:0006183	Biological Process	GTP biosynthetic process	1	5	0.047
GO:0006228	Biological Process	UTP biosynthetic process	1	5	0.047
GO:0006241	Biological Process	CTP biosynthetic process	1	5	0.047
GO:0046051	Biological Process	UTP metabolic process	1	5	0.047
GO:0016679	Molecular Function	oxidoreductase activity, acting on diphenols and related substances as donors	4	36	0.00029
GO:0016681	Molecular Function	oxidoreductase activity, acting on diphenols and related substances as donors, cytochrome as acceptor	2	9	0.0033
GO:0008121	Molecular Function	ubiquinol-cytochrome-c reductase activity	2	9	0.0033
GO:0016301	Molecular Function	kinase activity	25	1750	0.0041
GO:0004674	Molecular Function	protein serine/threonine kinase activity	22	1478	0.0044
GO:0016491	Molecular Function	oxidoreductase activity	24	1672	0.0046
GO:0008238	Molecular Function	exopeptidase activity	4	82	0.005
GO:0005524	Molecular Function	ATP binding	38	3085	0.0052
GO:0032559	Molecular Function	adenyl ribonucleotide binding	38	3087	0.0052
GO:0004650	Molecular Function	polygalacturonase activity	3	45	0.0067
GO:0016773	Molecular Function	phosphotransferase activity, alcohol group as acceptor	24	1726	0.0068
GO:0008235	Molecular Function	metalloexopeptidase activity	2	14	0.0071
GO:0004672	Molecular Function	protein kinase activity	22	1575	0.009
GO:0001883	Molecular Function	purine nucleoside binding	38	3247	0.012
GO:0030554	Molecular Function	adenyl nucleotide binding	38	3247	0.012
GO:0001882	Molecular Function	nucleoside binding	38	3257	0.012
GO:0032555	Molecular Function	purine ribonucleotide binding	38	3292	0.014
GO:0032553	Molecular Function	ribonucleotide binding	38	3292	0.014

GO:0008471	Molecular Function	laccase activity	2	21	0.014
GO:0051537	Molecular Function	2 iron, 2 sulfur cluster binding	2	22	0.016
GO:0004180	Molecular Function	carboxypeptidase activity	3	63	0.016
GO:0019136	Molecular Function	deoxynucleoside kinase activity	1	1	0.016
GO:0004797	Molecular Function	thymidine kinase activity	1	1	0.016
GO:0017169	Molecular Function	CDP-alcohol phosphatidyltransferase activity	1	1	0.016
GO:0016719	Molecular Function	carotene 7,8-desaturase activity	1	1	0.016
		CDP-diacylglycerol-glycerol-3-phosphate			
GO:0008444	Molecular Function	3-phosphatidyltransferase activity	1	1	0.016
GO:0019205	Molecular Function	nucleobase, nucleoside, nucleotide kinase activity	2	25	0.02
		oxidoreductase activity, acting on diphenols and related substances as donors, oxygen as acceptor			
GO:0016682	Molecular Function	oxidoreductase activity, acting on diphenols and related substances as donors, oxygen as acceptor	2	27	0.022
GO:0022892	Molecular Function	substrate-specific transporter activity	10	593	0.024
GO:0004181	Molecular Function	metallocarboxypeptidase activity	1	2	0.024
GO:0017056	Molecular Function	structural constituent of nuclear pore	1	2	0.024
		oxidoreductase activity, acting on sulfur group of donors			
GO:0016667	Molecular Function	oxidoreductase activity, acting on sulfur group of donors	3	75	0.025
GO:0017171	Molecular Function	serine hydrolase activity	5	201	0.025
GO:0008236	Molecular Function	serine-type peptidase activity	5	201	0.025
GO:0000166	Molecular Function	nucleotide binding	42	3874	0.026
GO:0022891	Molecular Function	substrate-specific transmembrane transporter activity	9	517	0.026
GO:0045735	Molecular Function	nutrient reservoir activity	3	77	0.026
GO:0017076	Molecular Function	purine nucleotide binding	38	3456	0.028
GO:0004326	Molecular Function	tetrahydrofolylpolyglutamate synthase activity	1	3	0.032
GO:0004820	Molecular Function	glycine-tRNA ligase activity	1	3	0.032
GO:0019206	Molecular Function	nucleoside kinase activity	1	3	0.032
GO:0010181	Molecular Function	FMN binding	2	35	0.035
GO:0005543	Molecular Function	phospholipid binding	2	36	0.037
GO:0022857	Molecular Function	transmembrane transporter activity	10	643	0.038
GO:0004096	Molecular Function	catalase activity	1	4	0.039

GO:0004450	Molecular Function	isocitrate dehydrogenase (NADP+) activity	1	4	0.039
GO:0043168	Molecular Function	anion binding	1	4	0.039
GO:0042301	Molecular Function	phosphate binding	1	4	0.039
GO:0030570	Molecular Function	pectate lyase activity	1	4	0.039
		carbon-oxygen lyase activity, acting on polysaccharides	1	4	0.039
GO:0016837	Molecular Function	hydrogen ion transmembrane transporter activity	3	95	0.044
GO:0015078	Molecular Function	nucleoside diphosphate kinase activity	1	5	0.047
GO:0004550	Molecular Function	helicase activity	4	165	0.047
GO:0004386	Molecular Function	thylakoid	4	93	0.0077
GO:0009579	Cellular Component	AP-type membrane coat adaptor complex	2	16	0.0089
GO:0030119	Cellular Component	clathrin adaptor complex	2	16	0.0089
GO:0030131	Cellular Component	coated membrane	3	59	0.013
GO:0048475	Cellular Component	membrane coat	3	59	0.013
GO:0030117	Cellular Component	protein kinase CK2 complex	1	2	0.024
GO:0005956	Cellular Component	clathrin coat	2	32	0.03
GO:0030118	Cellular Component	membrane part	14	1007	0.035
GO:0044425	Cellular Component	membrane	25	2115	0.035
GO:0016020	Cellular Component	macromolecular complex	16	1207	0.037
GO:0032991	Cellular Component	photosynthetic membrane	3	89	0.038
GO:0034357	Cellular Component				

Genes in japonica_SV CLR

GO:0042773	Biological Process	ATP synthesis coupled electron transport	2	19	0.0026
GO:0055114	Biological Process	oxidation reduction	12	1351	0.0038
GO:0022904	Biological Process	respiratory electron transport chain	2	28	0.0053
GO:0045333	Biological Process	cellular respiration	2	48	0.014
GO:0006436	Biological Process	tryptophanyl-tRNA aminoacylation	1	3	0.014
GO:0015980	Biological Process	energy derivation by oxidation of organic compounds	2	54	0.018
GO:0055072	Biological Process	iron ion homeostasis	1	4	0.018
GO:0006879	Biological Process	cellular iron ion homeostasis	1	4	0.018

GO:0022900	Biological Process	electron transport chain	2	60	0.022
GO:0030005	Biological Process	cellular di-, tri-valent inorganic cation homeostasis	1	5	0.022
GO:0055066	Biological Process	di-, tri-valent inorganic cation homeostasis	1	5	0.022
GO:0006952	Biological Process	defense response	5	452	0.026
GO:0006826	Biological Process	iron ion transport	1	7	0.029
GO:0006873	Biological Process	cellular ion homeostasis	1	7	0.029
GO:0030003	Biological Process	cellular cation homeostasis	1	7	0.029
GO:0055082	Biological Process	cellular chemical homeostasis	1	7	0.029
GO:0006508	Biological Process	proteolysis	11	1579	0.029
GO:0006119	Biological Process	oxidative phosphorylation	2	88	0.043
GO:0048878	Biological Process	chemical homeostasis	1	13	0.05
GO:0050801	Biological Process	ion homeostasis	1	13	0.05
GO:0055080	Biological Process	cation homeostasis	1	13	0.05
GO:0016651	Molecular Function	oxidoreductase activity, acting on NADH or NADPH	5	64	5.30E-06
GO:0003954	Molecular Function	NADH dehydrogenase activity	3	30	0.00024
GO:0050136	Molecular Function	NADH dehydrogenase (quinone) activity	3	30	0.00024
GO:0008137	Molecular Function	NADH dehydrogenase (ubiquinone) activity	3	30	0.00024
		oxidoreductase activity, acting on NADH or NADPH, quinone or similar compound as acceptor	3	34	0.00033
GO:0016655	Molecular Function	oxidoreductase activity	13	1672	0.0078
GO:0016491	Molecular Function	transketolase activity	1	2	0.011
GO:0004802	Molecular Function	tryptophan-tRNA ligase activity	1	3	0.014
GO:0004830	Molecular Function	holo-[acyl-carrier-protein] synthase activity	1	3	0.014
GO:0008897	Molecular Function	ferric iron binding	1	3	0.014
GO:0008199	Molecular Function	catalytic activity	57	12724	0.016
GO:0003824	Molecular Function	peptidase activity, acting on L-amino acid peptides	11	1470	0.018
GO:0070011	Molecular Function	peptidase activity	11	1489	0.02
GO:0008233	Molecular Function	aspartic-type peptidase activity	6	607	0.025
GO:0070001	Molecular Function	aspartic-type endopeptidase activity	6	607	0.025
GO:0004190	Molecular Function	monooxygenase activity	5	458	0.027

GO:0016780	Molecular Function	phosphotransferase activity, for other substituted phosphate groups	1	9	0.036
GO:0016747	Molecular Function	transferase activity, transferring acyl groups other than amino-acyl groups	4	348	0.04
GO:0016744	Molecular Function	transferase activity, transferring aldehyde or ketonic groups	1	11	0.043
GO:0016746	Molecular Function	transferase activity, transferring acyl groups	4	367	0.047
GO:0009579	Cellular Component	thylakoid	2	93	0.047

Genes in rufipogon_SNP CLR

GO:0006091	Biological Process	generation of precursor metabolites and energy	16	243	2.50E-11
GO:0022900	Biological Process	electron transport chain	8	60	1.80E-08
GO:0006119	Biological Process	oxidative phosphorylation	9	88	1.90E-08
GO:0015986	Biological Process	ATP synthesis coupled proton transport	7	69	8.10E-07
		energy coupled proton transport, down electrochemical gradient	7	69	8.10E-07
GO:0015985	Biological Process	ion transmembrane transport	7	69	8.10E-07
GO:0034220	Biological Process	photosynthesis	8	115	1.90E-06
GO:0015979	Biological Process	proton transport	7	80	2.00E-06
GO:0015992	Biological Process	hydrogen transport	7	80	2.00E-06
GO:0006818	Biological Process	ATP biosynthetic process	8	127	3.80E-06
GO:0006754	Biological Process	ATP metabolic process	8	129	4.20E-06
GO:0046034	Biological Process	nucleoside triphosphate biosynthetic process	8	132	5.00E-06
GO:0009142	Biological Process	purine nucleoside triphosphate biosynthetic process	8	132	5.00E-06
GO:0009145	Biological Process	purine ribonucleoside triphosphate biosynthetic process	8	132	5.00E-06
GO:0009206	Biological Process	ribonucleoside triphosphate biosynthetic process	8	132	5.00E-06
GO:0009201	Biological Process	ribonucleoside triphosphate metabolic process	8	134	5.50E-06
GO:0009199	Biological Process	purine ribonucleoside triphosphate metabolic process	8	134	5.50E-06
GO:0009205	Biological Process	purine nucleoside triphosphate metabolic process	8	134	5.50E-06
GO:0009144	Biological Process		8	134	5.50E-06

GO:0009141	Biological Process	nucleoside triphosphate metabolic process	8	135	5.80E-06
GO:0009152	Biological Process	purine ribonucleotide biosynthetic process	8	145	9.50E-06
GO:0009150	Biological Process	purine ribonucleotide metabolic process	8	147	1.00E-05
GO:0009260	Biological Process	ribonucleotide biosynthetic process	8	149	1.20E-05
GO:0006164	Biological Process	purine nucleotide biosynthetic process	8	150	1.20E-05
GO:0009259	Biological Process	ribonucleotide metabolic process	8	151	1.30E-05
GO:0006163	Biological Process	purine nucleotide metabolic process	8	154	1.40E-05
GO:0019684	Biological Process	photosynthesis, light reaction	5	47	2.60E-05
GO:0009165	Biological Process	nucleotide biosynthetic process	8	179	4.10E-05
GO:0009767	Biological Process	photosynthetic electron transport chain	4	26	4.70E-05
GO:0022904	Biological Process	respiratory electron transport chain	4	28	6.10E-05
GO:0006412	Biological Process	translation	14	595	6.70E-05
GO:0015672	Biological Process	monovalent inorganic cation transport	7	155	0.00012
GO:0006753	Biological Process	nucleoside phosphate metabolic process	8	218	0.00015
GO:0009117	Biological Process	nucleotide metabolic process	8	218	0.00015
		nucleobase, nucleoside and nucleotide metabolic process	8	244	0.00032
GO:0055086	Biological Process	cellular respiration	4	48	0.00042
GO:0045333	Biological Process	ion transport	10	408	0.00055
GO:0006811	Biological Process	energy derivation by oxidation of organic compounds	4	54	0.00063
GO:0015980	Biological Process	heterocycle metabolic process	8	312	0.0015
GO:0046483	Biological Process	oxidation reduction	19	1351	0.0022
GO:0055114	Biological Process	intracellular signaling pathway	3	36	0.0023
GO:0023034	Biological Process	cation transport	8	348	0.0029
GO:0006812	Biological Process	transport	20	1638	0.008
GO:0006810	Biological Process	establishment of localization	20	1638	0.008
GO:0051234	Biological Process	ATP synthesis coupled electron transport	2	19	0.0087
GO:0042773	Biological Process	localization	20	1651	0.0087
GO:0051179	Biological Process	transmembrane transport	11	701	0.0089
GO:0055085	Biological Process	signaling pathway	3	61	0.0092
GO:0023033	Biological Process				

GO:0010467	Biological Process	gene expression	26	2424	0.013
GO:0016197	Biological Process	endosome transport	1	1	0.013
GO:0042147	Biological Process	retrograde transport, endosome toGOLgi	1	1	0.013
GO:0046907	Biological Process	intracellular transport	5	233	0.023
GO:0033036	Biological Process	macromolecule localization	7	411	0.023
GO:0006571	Biological Process	tyrosine biosynthetic process	1	3	0.027
GO:0006570	Biological Process	tyrosine metabolic process	1	4	0.033
GO:0050821	Biological Process	protein stabilization	1	4	0.033
GO:0009775	Biological Process	photosynthetic electron transport in cytochrome b6/f	1	4	0.033
GO:0031647	Biological Process	regulation of protein stability	1	4	0.033
GO:0006419	Biological Process	alanyl-tRNA aminoacylation	1	4	0.033
GO:0042549	Biological Process	photosystem II stabilization	1	5	0.04
GO:0042548	Biological Process	regulation of photosynthesis, light reaction	1	5	0.04
GO:0010109	Biological Process	regulation of photosynthesis	1	5	0.04
		regulation of generation of precursor metabolites and energy	1	5	0.04
GO:0043467	Biological Process	vesicle-mediated transport	4	186	0.04
GO:0016192	Biological Process	tricarboxylic acid transport	1	6	0.046
GO:0006842	Biological Process	citrate transport	1	6	0.046
GO:0015746	Biological Process	oxidoreductase activity, acting on NADH or NADPH, quinone or similar compound as acceptor	5	34	6.20E-06
GO:0016655	Molecular Function	hydrogen ion transmembrane transporter activity	6	95	6.30E-05
GO:0015078	Molecular Function	NADH dehydrogenase (quinone) activity	4	30	7.80E-05
GO:0050136	Molecular Function	NADH dehydrogenase (ubiquinone) activity	4	30	7.80E-05
GO:0008137	Molecular Function	NADH dehydrogenase activity	4	30	7.80E-05
GO:0003954	Molecular Function	structural constituent of ribosome	11	396	0.0001
GO:0003735	Molecular Function	oxidoreductase activity, acting on NADH or NADPH	5	64	0.0001
GO:0016651	Molecular Function	monovalent inorganic cation transmembrane transporter activity	6	126	0.00027
GO:0015077	Molecular Function	structural molecule activity	11	462	0.00037
GO:0005198	Molecular Function				

GO:0022890	Molecular Function	inorganic cation transmembrane transporter activity	6	180	0.0017
GO:0016168	Molecular Function	chlorophyll binding	2	8	0.002
GO:0022892	Molecular Function	substrate-specific transporter activity	11	593	0.0027
GO:0022857	Molecular Function	transmembrane transporter activity	11	643	0.0048
GO:0015075	Molecular Function	ion transmembrane transporter activity	8	389	0.0056
		electron transporter, transferring electrons within the cyclic electron transport pathway of photosynthesis			
GO:0045156	Molecular Function	activity	2	15	0.0057
GO:0009055	Molecular Function	electron carrier activity	10	599	0.0083
GO:0022891	Molecular Function	substrate-specific transmembrane transporter activity	9	517	0.0094
GO:0005215	Molecular Function	transporter activity	13	941	0.012
GO:0008324	Molecular Function	cation transmembrane transporter activity	6	280	0.013
		hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances			
GO:0016820	Molecular Function	phosphatidylinositol N-acetylglucosaminyltransferase	4	147	0.019
GO:0017176	Molecular Function	activity	1	2	0.02
GO:0016885	Molecular Function	ligase activity, forming carbon-carbon bonds	1	2	0.02
GO:0003989	Molecular Function	acetyl-CoA carboxylase activity	1	2	0.02
GO:0004802	Molecular Function	transketolase activity	1	2	0.02
GO:0016421	Molecular Function	CoA carboxylase activity	1	2	0.02
		hydrogen ion transporting ATP synthase activity, rotational mechanism			
GO:0046933	Molecular Function	2	32	0.022	
GO:0046961	Molecular Function	proton-transporting ATPase activity, rotational mechanism	2	35	0.026
GO:0004665	Molecular Function	prephenate dehydrogenase (NADP+) activity	1	3	0.027
GO:0042586	Molecular Function	peptide deformylase activity	1	3	0.027
GO:0009374	Molecular Function	biotin binding	1	3	0.027
		ATPase activity, coupled to transmembrane movement of ions			
GO:0042625	Molecular Function	3	94	0.028	
GO:0004813	Molecular Function	alanine-tRNA ligase activity	1	4	0.033
GO:0042301	Molecular Function	phosphate binding	1	4	0.033

GO:0043168	Molecular Function	anion binding	1	4	0.033
GO:0016491	Molecular Function	oxidoreductase activity	18	1672	0.036
GO:0016817	Molecular Function	hydrolase activity, acting on acid anhydrides	10	764	0.037
GO:0004650	Molecular Function	polygalacturonase activity	2	45	0.04
GO:0042623	Molecular Function	ATPase activity, coupled	5	275	0.041
GO:0019829	Molecular Function	cation-transporting ATPase activity	2	47	0.043
GO:0015137	Molecular Function	citrate transmembrane transporter activity	1	6	0.046
GO:0015142	Molecular Function	tricarboxylic acid transmembrane transporter activity	1	6	0.046
GO:0009579	Cellular Component	thylakoid	9	93	3.00E-08
GO:0032991	Cellular Component	macromolecular complex	27	1207	5.80E-08
GO:0034357	Cellular Component	photosynthetic membrane	8	89	3.10E-07
GO:0045259	Cellular Component	proton-transporting ATP synthase complex	6	44	1.00E-06
GO:0016469	Cellular Component	proton-transporting two-sector ATPase complex	7	73	1.20E-06
GO:0044425	Cellular Component	membrane part	21	1007	5.90E-06
GO:0009521	Cellular Component	photosystem	6	72	1.50E-05
GO:0045263	Cellular Component	proton-transporting ATP synthase complex, coupling factor F(o)	4	20	1.90E-05
GO:0043234	Cellular Component	protein complex	16	706	3.10E-05
GO:0033177	Cellular Component	proton-transporting two-sector ATPase complex, proton-transporting domain	4	30	7.80E-05
GO:0016020	Cellular Component	membrane	30	2115	9.20E-05
GO:0005840	Cellular Component	ribosome	11	397	0.0001
GO:0044444	Cellular Component	cytoplasmic part	18	966	0.00012
GO:0030529	Cellular Component	ribonucleoprotein complex	11	438	0.00024
GO:0005737	Cellular Component	cytoplasm	19	1263	0.001
GO:0044424	Cellular Component	intracellular part	38	3529	0.0023
GO:0033279	Cellular Component	ribosomal subunit	4	82	0.0027
GO:0033178	Cellular Component	proton-transporting two-sector ATPase complex, catalytic domain	3	39	0.0028
GO:0009539	Cellular Component	photosystem II reaction center	2	11	0.0033

GO:0009523	Cellular Component	photosystem II	3	46	0.0044
GO:0044436	Cellular Component	thylakoid part	3	50	0.0055
GO:0015935	Cellular Component	small ribosomal subunit	3	51	0.0058
GO:0048475	Cellular Component	coated membrane	3	59	0.0084
GO:0030117	Cellular Component	membrane coat	3	59	0.0084
GO:0042651	Cellular Component	thylakoid membrane	2	23	0.012
GO:0045261	Cellular Component	proton-transporting ATP synthase complex, catalytic core F(1)	2	24	0.013
GO:0005622	Cellular Component	intracellular	39	4116	0.017
GO:0030075	Cellular Component	plasma membrane-derived thylakoid	1	3	0.027
GO:0030096	Cellular Component	plasma membrane-derived thylakoid photosystem II	1	3	0.027
GO:0009536	Cellular Component	plastid	2	37	0.028
GO:0031361	Cellular Component	integral to thylakoid membrane	1	5	0.04
GO:0012511	Cellular Component	monolayer-surrounded lipid storage body	1	6	0.046
GO:0005811	Cellular Component	lipid particle	1	6	0.046

Genes in rufipogon_SV CLR

GO:0008652	Biological Process	cellular amino acid biosynthetic process	7	133	0.00067
GO:0009309	Biological Process	amine biosynthetic process	7	153	0.0015
GO:0022613	Biological Process	ribonucleoprotein complex biogenesis	4	49	0.0022
GO:0034641	Biological Process	cellular nitrogen compound metabolic process	12	435	0.0027
GO:0044106	Biological Process	cellular amine metabolic process	10	333	0.0033
GO:0009067	Biological Process	aspartate family amino acid biosynthetic process	3	26	0.0033
GO:0044271	Biological Process	cellular nitrogen compound biosynthetic process	8	231	0.0037
GO:0016072	Biological Process	rRNA metabolic process	3	28	0.004
GO:0006364	Biological Process	rRNA processing	3	28	0.004
GO:0009066	Biological Process	aspartate family amino acid metabolic process	3	28	0.004
GO:0006520	Biological Process	cellular amino acid metabolic process	9	303	0.0056
GO:0044281	Biological Process	small molecule metabolic process	20	1034	0.0073
GO:0009308	Biological Process	amine metabolic process	10	380	0.008

GO:0006904	Biological Process	vesicle docking during exocytosis	2	12	0.009
GO:0051179	Biological Process	localization	28	1651	0.0092
GO:0006519	Biological Process	cellular amino acid and derivative metabolic process	10	391	0.0096
GO:0046394	Biological Process	carboxylic acid biosynthetic process	7	222	0.01
GO:0016053	Biological Process	organic acid biosynthetic process	7	222	0.01
GO:0022406	Biological Process	membrane docking	2	13	0.01
GO:0048278	Biological Process	vesicle docking	2	13	0.01
GO:0009082	Biological Process	branched chain family amino acid biosynthetic process	2	13	0.01
GO:0009165	Biological Process	nucleotide biosynthetic process	6	179	0.013
GO:0009142	Biological Process	nucleoside triphosphate biosynthetic process	5	132	0.014
GO:0009145	Biological Process	purine nucleoside triphosphate biosynthetic process	5	132	0.014
		purine ribonucleoside triphosphate biosynthetic process			
GO:0009206	Biological Process	process	5	132	0.014
GO:0009201	Biological Process	ribonucleoside triphosphate biosynthetic process	5	132	0.014
GO:0051234	Biological Process	establishment of localization	27	1638	0.015
GO:0006810	Biological Process	transport	27	1638	0.015
GO:0042254	Biological Process	ribosome biogenesis	3	47	0.015
GO:0009199	Biological Process	ribonucleoside triphosphate metabolic process	5	134	0.015
GO:0009144	Biological Process	purine nucleoside triphosphate metabolic process	5	134	0.015
GO:0009205	Biological Process	purine ribonucleoside triphosphate metabolic process	5	134	0.015
GO:0009141	Biological Process	nucleoside triphosphate metabolic process	5	135	0.016
GO:0034660	Biological Process	ncRNA metabolic process	5	139	0.018
GO:0009152	Biological Process	purine ribonucleotide biosynthetic process	5	145	0.02
		regulation of transcription from RNA polymerase III			
GO:0006359	Biological Process	promoter	1	1	0.021
		negative regulation of transcription from RNA			
GO:0016480	Biological Process	polymerase III promoter	1	1	0.021
GO:0009150	Biological Process	purine ribonucleotide metabolic process	5	147	0.022
GO:0044283	Biological Process	small molecule biosynthetic process	8	320	0.022
GO:0009260	Biological Process	ribonucleotide biosynthetic process	5	149	0.023

GO:0006164	Biological Process	purine nucleotide biosynthetic process	5	150	0.023
GO:0009259	Biological Process	ribonucleotide metabolic process	5	151	0.024
GO:0006163	Biological Process	purine nucleotide metabolic process	5	154	0.026
GO:0009081	Biological Process	branched chain family amino acid metabolic process	2	24	0.03
GO:0006753	Biological Process	nucleoside phosphate metabolic process	6	218	0.03
GO:0009117	Biological Process	nucleotide metabolic process	6	218	0.03
GO:0043436	Biological Process	oxoacid metabolic process	10	473	0.03
GO:0019752	Biological Process	carboxylic acid metabolic process	10	473	0.03
GO:0006082	Biological Process	organic acid metabolic process	10	474	0.031
GO:0006425	Biological Process	glutaminyl-tRNA aminoacylation	1	2	0.031
GO:0046146	Biological Process	tetrahydrobiopterin metabolic process	1	2	0.031
GO:0000245	Biological Process	spliceosome assembly	1	2	0.031
GO:0006353	Biological Process	transcription termination	1	2	0.031
GO:0006729	Biological Process	tetrahydrobiopterin biosynthetic process	1	2	0.031
GO:0048193	Biological Process	Golgi vesicle transport	2	25	0.032
GO:0042180	Biological Process	cellular ketone metabolic process	10	480	0.033
GO:0010467	Biological Process	gene expression	35	2424	0.035
GO:0015837	Biological Process	amine transport	2	27	0.036
GO:0006865	Biological Process	amino acid transport	2	27	0.036
GO:0000097	Biological Process	sulfur amino acid biosynthetic process	2	28	0.039
GO:0006281	Biological Process	DNA repair	4	121	0.042
GO:0006974	Biological Process	response to DNA damage stimulus	4	122	0.043
GO:0044085	Biological Process	cellular component biogenesis	6	239	0.044
GO:0000096	Biological Process	sulfur amino acid metabolic process	2	31	0.046
GO:0034470	Biological Process	ncRNA processing	3	74	0.046
GO:0033554	Biological Process	cellular response to stress	4	126	0.047
		nucleobase, nucleoside and nucleotide metabolic process	6	244	0.047
GO:0055086	Biological Process	ATP biosynthetic process	4	127	0.048
GO:0006754	Biological Process	vesicle-mediated transport	5	186	0.05

GO:0016884	Molecular Function	carbon-nitrogen ligase activity, with glutamine as amido-N-donor	3	28	0.004
GO:0005515	Molecular Function	protein binding	38	2460	0.011
GO:0004707	Molecular Function	MAP kinase activity	2	16	0.015
		receptor signaling protein serine/threonine kinase activity			
GO:0004702	Molecular Function		2	16	0.015
GO:0005057	Molecular Function	receptor signaling protein activity	2	16	0.015
GO:0005509	Molecular Function	calcium ion binding	8	316	0.021
GO:0008837	Molecular Function	diaminopimelate epimerase activity	1	1	0.021
GO:0047661	Molecular Function	amino-acid racemase activity	1	1	0.021
GO:0004160	Molecular Function	dihydroxy-acid dehydratase activity	1	1	0.021
GO:0008440	Molecular Function	inositol trisphosphate 3-kinase activity	1	1	0.021
GO:0008987	Molecular Function	quinolinate synthetase A activity	1	1	0.021
GO:0008138	Molecular Function	protein tyrosine/serine/threonine phosphatase activity	2	20	0.022
GO:0060089	Molecular Function	molecular transducer activity	5	152	0.024
GO:0004871	Molecular Function	signal transducer activity	5	152	0.024
GO:0004607	Molecular Function	phosphatidylcholine-sterol O-acyltransferase activity	2	24	0.03
GO:0016853	Molecular Function	isomerase activity	5	161	0.03
		5-methyltetrahydropteroyltri-L-glutamate-dependent methyltransferase activity			
GO:0042085	Molecular Function		1	2	0.031
		racemase and epimerase activity, acting on amino acids and derivatives			
GO:0016855	Molecular Function		1	2	0.031
		5-methyltetrahydropteroyltriglutamate-homocysteine S-methyltransferase activity			
GO:0003871	Molecular Function		1	2	0.031
GO:0004819	Molecular Function	glutamine-tRNA ligase activity	1	2	0.031
GO:0003852	Molecular Function	2-isopropylmalate synthase activity	1	2	0.031
		4-alpha-hydroxytetrahydrobiopterin dehydratase activity			
GO:0008124	Molecular Function		1	2	0.031
GO:0003715	Molecular Function	transcription termination factor activity	1	2	0.031
GO:0008474	Molecular Function	palmitoyl-(protein) hydrolase activity	1	2	0.031
GO:0035251	Molecular Function	UDP-glucosyltransferase activity	3	63	0.031

GO:0015171	Molecular Function	amino acid transmembrane transporter activity	2	27	0.036
GO:0005275	Molecular Function	amine transmembrane transporter activity	2	27	0.036
GO:0008194	Molecular Function	UDP-glycosyltransferase activity	4	118	0.039
GO:0008199	Molecular Function	ferric iron binding	1	3	0.041
GO:0004559	Molecular Function	alpha-mannosidase activity	1	3	0.041
GO:0008897	Molecular Function	holo-[acyl-carrier-protein] synthase activity	1	3	0.041
GO:0046527	Molecular Function	glucosyltransferase activity	3	73	0.045
GO:0032040	Cellular Component	small-subunit processome	2	4	0.0016
GO:0030684	Cellular Component	preribosome	2	5	0.0022
GO:0032991	Cellular Component	macromolecular complex	21	1207	0.018
GO:0033176	Cellular Component	proton-transporting V-type ATPase complex	2	19	0.02
GO:0005850	Cellular Component	eukaryotic translation initiation factor 2 complex	1	2	0.031
GO:0009986	Cellular Component	cell surface	1	2	0.031

Table S10. Functional annotation of fixed genes between pairs of taxa (rufipogon, indica and japonica) and private genes underlying SVs in each subspecies.

Gene ID (MSU7)	Gene ID (IRGSP1.0)	Function annotation
Fixed genes (SVs) in japonica-rufipogon comparison		
LOC_Os01g14160	None	retrotransposon, putative, centromere-specific, expressed
Fixed genes (SVs) in indica-japonica comparison		
LOC_Os01g01540	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01550	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g07430	Os01g0168900	myb-like DNA-binding domain containing protein, putative, expressed
LOC_Os01g10160	None	latency associated nuclear antigen, putative, expressed
LOC_Os01g10170	None	expressed protein
LOC_Os01g49154	Os01g0685300	expressed protein
LOC_Os01g49750	Os01g0692400	expressed protein
LOC_Os02g04725	Os02g0140101	dolichol phosphate-mannose biosynthesis regulatory protein, putative, expressed
LOC_Os02g16540	Os02g0265200	WRKY39, expressed
LOC_Os02g51330	Os02g0748100	MAG2, putative, expressed
LOC_Os03g01340	None	transposon protein, putative, unclassified
LOC_Os03g21380	Os03g0331700	OsCML27 - Calmodulin-related calcium sensor protein, expressed
LOC_Os03g59930	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os04g01874	Os04g0109100	protein kinase, putative, expressed
LOC_Os04g53930	Os04g0631100	organic cation transporter protein, putative, expressed
LOC_Os05g50850	Os05g0586050	expressed protein
LOC_Os06g22370	Os06g0329100	expressed protein
LOC_Os08g04340	Os08g0137800	plastocyanin-like domain containing protein, putative, expressed
LOC_Os08g04400	Os08g0138600	pentatricopeptide repeat domain containing protein, putative, expressed
LOC_Os08g04420	Os08g0138700	tyrosine protein kinase domain containing protein, putative, expressed
LOC_Os08g04430	Os08g0138900	expressed protein

LOC_Os08g04440	Os08g0139000	RNA recognition motif containing protein, putative, expressed
LOC_Os08g04450	Os08g0139100	DAG protein, chloroplast precursor, putative, expressed
LOC_Os08g04460	Os08g0139200	NADPH-dependent FMN reductase domain containing protein, expressed
LOC_Os08g04470	Os08g0139400	U box protein 8, putative, expressed
LOC_Os08g04490	Os08g0139600, Os08g0139650	expressed protein
LOC_Os08g04500	Os08g0139700	terpene synthase, putative, expressed
LOC_Os08g04540	Os08g0140300	decarboxylase, putative, expressed
LOC_Os08g04550	None	expressed protein
LOC_Os08g04570	Os08g0140600	expressed protein
LOC_Os08g04580	Os08g0140700, Os08g0140850	csAtPR5, putative, expressed
LOC_Os08g04710	Os08g0142500	expressed protein
LOC_Os08g04760	Os08g0143150	retrotransposon protein, putative, unclassified, expressed
LOC_Os08g04770	Os08g0143300	AMP-binding domain containing protein, expressed
LOC_Os08g04780	Os08g0143400	amine oxidase, putative, expressed
LOC_Os08g04790	Os08g0143500	xylosyltransferase, putative, expressed
LOC_Os08g04800	Os08g0143600	triacylglycerol lipase like protein, putative, expressed
LOC_Os08g04810	Os08g0143700	serine esterase family protein, putative, expressed
LOC_Os08g04840	Os08g0144000	MYB family transcription factor, putative, expressed
LOC_Os08g04900	None	hypothetical protein
LOC_Os08g04910	None	expressed protein
LOC_Os08g05040	None	expressed protein
LOC_Os08g05090	None	expressed protein
LOC_Os08g05100	None	expressed protein
LOC_Os08g05110	None	expressed protein
LOC_Os08g05160	None	expressed protein
LOC_Os08g05280	Os08g0148200, Os08g0148267	oxidoreductase family, NAD-binding Rossmann fold containing protein, expressed

LOC_Os08g05310	Os08g0148566	expressed protein
LOC_Os08g05340	Os08g0149000	expressed protein
LOC_Os08g05370	Os08g0149333	conserved hypothetical protein
LOC_Os08g05480	Os08g0150700	OsFBX261 - F-box domain containing protein, expressed
LOC_Os08g05490	Os08g0150800	tRNA synthetase, putative, expressed
LOC_Os08g05510	Os08g0151000	MYB family transcription factor, putative, expressed

Private genes (DUPs) in indica against rufipogon

LOC_Os01g01010	Os01g0100100	TBC domain containing protein, expressed
LOC_Os01g01040	Os01g0100500	expressed protein
LOC_Os01g01060	Os01g0100700	40S ribosomal protein S5, putative, expressed
LOC_Os01g01070	Os01g0100800	expressed protein
LOC_Os01g01080	Os01g0100900	decarboxylase, putative, expressed
LOC_Os01g01090	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01100	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g01110	None	expressed protein
LOC_Os01g01115	Os01g0101150	pentatricopeptide, putative, expressed
LOC_Os01g01120	Os01g0101200	enolase-phosphatase E1, putative, expressed
LOC_Os01g01140	Os01g0101500	expressed protein
LOC_Os01g01150	Os01g0101600	RNA recognition motif, putative, expressed
LOC_Os01g01160	Os01g0101700	heat shock protein DnaJ, putative, expressed
LOC_Os01g01210	None	retrotransposon protein, putative, unclassified
LOC_Os01g01240	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g01270	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01290	Os01g0102400	histone-like transcription factor and archaeal histone, putative, expressed
LOC_Os01g01295	Os01g0102500	expressed protein
LOC_Os01g01302	Os01g0102600	shikimate kinase, putative, expressed
LOC_Os01g01307	Os01g0102700	translocon-associated protein beta domain containing protein, expressed
LOC_Os01g01320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed

LOC_Os01g01350	Os01g0103000	SNF7 domain containing protein, putative, expressed
LOC_Os01g01360	Os01g0103100	peptide transporter PTR2, putative, expressed
LOC_Os01g01369	Os01g0103600	3-beta-hydroxysteroid-Delta-isomerase, putative, expressed
LOC_Os01g01380	Os01g0103700	expressed protein
LOC_Os01g01390	Os01g0103800	expressed protein
LOC_Os01g01400	Os01g0103900	expressed protein
LOC_Os01g01430	Os01g0104200	No apical meristem protein, putative, expressed
LOC_Os01g01450	Os01g0104400	stress responsive protein, putative, expressed
LOC_Os01g01460	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g01470	Os01g0104500	no apical meristem protein, putative, expressed
LOC_Os01g01484	Os01g0104600	light-mediated development protein DET1, putative, expressed
LOC_Os01g01500	None	expressed protein
LOC_Os01g01510	Os01g0104800	sas10/Utp3 family protein, expressed
LOC_Os01g01520	Os01g0104900	transferase family protein, putative, expressed
LOC_Os01g01530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g01540	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01550	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g01560	Os01g0105300	transposon protein, putative, unclassified, expressed
LOC_Os01g01580	None	expressed protein
LOC_Os01g01600	Os01g0105700	ethylene-responsive protein related, putative, expressed
LOC_Os01g01610	Os01g0105800	IscA-like iron-sulfur assembly protein, mitochondrial precursor, putative, expressed
LOC_Os01g01620	Os01g0105900	kinase, pfkB family, putative, expressed
LOC_Os01g01640	Os01g0106200	Rer1 protein, putative, expressed
LOC_Os01g01650	Os01g0106300	isoflavone reductase homolog IRL, putative, expressed
LOC_Os01g01670	Os01g0106500	expressed protein
LOC_Os01g01680	Os01g0106600	expressed protein
LOC_Os01g01689	Os01g0106700, Os01g0106750	phosphatidylinositol 3- and 4-kinase family protein, expressed
LOC_Os01g01700	Os01g0106800	anaphase-promoting complex subunit 11, putative, expressed
LOC_Os01g01710	Os01g0106900	1-deoxy-D-xylulose 5-phosphate reductoisomerase, chloroplast precursor, putative,

LOC_Os01g01740	Os01g0107400	expressed
LOC_Os01g01770	None	protein kinase domain containing protein, expressed
LOC_Os01g01780	Os01g0107700	ZOS1-01 - C2H2 zinc finger protein, expressed
LOC_Os01g01790	Os01g0107900	exostosin family protein, putative, expressed
LOC_Os01g01800	Os01g0108000	expressed protein
LOC_Os01g01810	None	expressed protein
	Os01g0108400,	expressed protein
LOC_Os01g01840	Os01g0108500	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os01g01860	None	transposon protein, putative, unclassified
LOC_Os01g01870	Os01g0108600	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os01g01900	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g01920	Os01g0109300	HD domain containing protein 2, putative, expressed
LOC_Os01g01925	Os01g0109366	expressed protein
LOC_Os01g01930	Os01g0109200	expressed protein
LOC_Os01g01940	Os01g0109500	expressed protein
LOC_Os01g01950	Os01g0109600	expressed protein
LOC_Os01g01960	Os01g0109700	transcriptional repressor, putative, expressed
LOC_Os01g02040	Os01g0110500	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g02050	Os01g0110700	phosphoenolpyruvate carboxylase, putative, expressed
LOC_Os01g02060	Os01g0110800	TOO MANY MOUTHS precursor, putative, expressed
LOC_Os01g02070	Os01g0111000	invertase/pectin methylesterase inhibitor family protein, putative, expressed
LOC_Os01g02090	Os01g0111200	expressed protein
LOC_Os01g02110	Os01g0111500	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os01g02120	Os01g0111600	osMFT2 MFT-Like2 homologous to Mother of FT and TFL1 gene; contains Pfam profile PF01161: Phosphatidylethanolamine-binding protein, expressed
LOC_Os01g02150	Os01g0111900	sulfated surface glycoprotein 185 precursor, putative, expressed
LOC_Os01g02170	Os01g0112050, Os01g0112100	expressed protein
LOC_Os01g02180	Os01g0112300	expressed protein

LOC_Os01g02190	Os01g0112400	aquaporin protein, putative, expressed
LOC_Os01g02200	Os01g0112500	armadillo/beta-catenin repeat family protein, putative, expressed
LOC_Os01g02240	None	transposon protein, putative, unclassified, expressed
LOC_Os01g02380	Os01g0114000	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
	Os01g0115500,	protein kinase domain containing protein, expressed
LOC_Os01g02550	Os01g0115566	
LOC_Os01g02590	Os01g0115800	receptor-like kinase, putative, expressed
LOC_Os01g02610	Os01g0116000	protein kinase domain containing protein, expressed
LOC_Os01g02870	Os01g0117900	auxin-induced protein 5NG4, putative, expressed
LOC_Os01g02880	Os01g0118000	fructose-bisphosphate aldolase isozyme, putative, expressed
LOC_Os01g02890	Os01g0118300	phosphatidylserine synthase, putative, expressed
LOC_Os01g02930	Os01g0119000	glycosyltransferase protein, putative, expressed
LOC_Os01g02990	None	expressed protein
LOC_Os01g03020	Os01g0120300	tRNA synthetase class I, putative, expressed
LOC_Os01g03030	Os01g0120400	alanyl-tRNA synthetase, putative, expressed
LOC_Os01g03040	Os01g0120500	expressed protein
LOC_Os01g03050	Os01g0120600	fruit protein PKIWI502, putative, expressed
LOC_Os01g03060	Os01g0120700	splicing factor, putative, expressed
LOC_Os01g03080	Os01g0121000	expressed protein
LOC_Os01g03090	Os01g0121100	methyltransferase, putative, expressed
	Os01g0121600,	
LOC_Os01g03144	Os01g0121700	white-brown complex homolog protein 7, putative, expressed
LOC_Os01g03160	Os01g0121800	xylosyltransferase, putative, expressed
	Os01g0121900,	
LOC_Os01g03170	Os01g0121950	seven in absentia protein family protein, expressed
LOC_Os01g03210	Os01g0122701	expressed protein
LOC_Os01g03280	None	hypothetical protein
LOC_Os01g03410	None	ubiquitin, putative, expressed
LOC_Os01g03429	Os01g0125100	expressed protein
LOC_Os01g03490	Os01g0125600	heavy-metal-associated domain-containing protein, putative, expressed

LOC_Os01g03500	Os01g0125700	expressed protein
LOC_Os01g03510	Os01g0125800	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os01g03530	Os01g0126100	multicopper oxidase domain containing protein, expressed
LOC_Os01g03570	Os01g0126600	transcription factor X1, putative, expressed
LOC_Os01g03610	None	retrotransposon protein, putative, unclassified, expressed
	Os01g0127400,	
LOC_Os01g03660	Os01g0127450	MYB family transcription factor, putative, expressed
LOC_Os01g03690	Os01g0127700	TKL_IRAK_DUF26-lg
LOC_Os01g03710	Os01g0127900	mannose-6-phosphate isomerase, putative, expressed
LOC_Os01g03720	Os01g0128000	MYB family transcription factor, putative, expressed
LOC_Os01g03730	Os01g0128200	nuclease PA3, putative, expressed
LOC_Os01g03740	Os01g0128100	nuclease PA3, putative, expressed
LOC_Os01g03750	Os01g0128300	expressed protein
LOC_Os01g03760	Os01g0128400	expressed protein
LOC_Os01g03800	None	transposon protein, putative, Mutator sub-class, expressed
LOC_Os01g03830	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g03860	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g03880	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g03900	Os01g0129800	expressed protein
LOC_Os01g03914	Os01g0130000	cation efflux family protein, putative, expressed
LOC_Os01g04110	Os01g0132700	mediator of RNA polymerase II transcription subunit 22, putative, expressed
LOC_Os01g04230	Os01g0133900	inactive receptor kinase At2g26730 precursor, putative, expressed
LOC_Os01g04450	Os01g0136800	OsWAK2 - OsWAK receptor-like cytoplasmic kinase OsWAK-RLCK, expressed
LOC_Os01g04500	Os01g0137300	expressed protein
LOC_Os01g04510	None	expressed protein
LOC_Os01g04540	Os01g0137700	serine/threonine-protein kinase At1g18390 precursor, putative, expressed
LOC_Os01g04680	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g04690	Os01g0139900	expressed protein
LOC_Os01g04699	None	expressed protein
LOC_Os01g04710	Os01g0140100	aspartic proteinase, putative, expressed

LOC_Os01g04720	Os01g0140400	leucine-rich repeat protein-related, putative, expressed
LOC_Os01g04750	Os01g0140700	B3 DNA binding domain containing protein, expressed
LOC_Os01g04814	Os01g0141100	vacuolar protein sorting-associating protein 4B, putative, expressed
LOC_Os01g04830	Os01g0141200	expressed protein
	Os01g0142600,	
LOC_Os01g04950	Os01g0142800	peptide transporter PTR2, putative, expressed
LOC_Os01g05130	Os01g0144600	expressed protein
LOC_Os01g05320	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g05610	Os01g0149400	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed
LOC_Os01g06280	Os01g0155500	TKL_IRAK_CrRLK1L-1 4 - The CrRLK1L-1 subfamily has homology to the CrRLK1L homolog, expressed
	Os01g0156500,	
LOC_Os01g06360	Os01g0156600	transposon protein, putative, unclassified, expressed
LOC_Os01g06540	Os01g0158800	PHD finger protein, putative, expressed
LOC_Os01g06580	Os01g0159200	fasciclin domain containing protein, expressed
LOC_Os01g06610	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g06740	Os01g0160800	ribosome inactivating protein, putative, expressed
LOC_Os01g06800	None	expressed protein
LOC_Os01g06810	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g07470	None	hypothetical protein
LOC_Os01g07510	None	conserved hypothetical protein
LOC_Os01g07550	None	hypothetical protein
	Os01g0171000	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1 precursor, putative, expressed
LOC_Os01g07630	Os01g0171100	ankyrin, putative, expressed
LOC_Os01g07640	Os01g0171300	expressed protein
LOC_Os01g07650	Os01g0171200	expressed protein
LOC_Os01g07660	Os01g0171600	expressed protein
LOC_Os01g07670	Os01g0171800	expressed protein
LOC_Os01g07700	Os01g0171900	expressed protein
LOC_Os01g07710		

LOC_Os01g07720	Os01g0172000	dolichyl-P-Man Man-PP-dolichyl mannosyltransferase, putative, expressed
LOC_Os01g07730	Os01g0172100	phosphate/phosphoenolpyruvate translocator-related protein, putative, expressed
LOC_Os01g07740	Os01g0172200	DEAD-box ATP-dependent RNA helicase 14, putative, expressed
LOC_Os01g07750	Os01g0172300	expressed protein
LOC_Os01g07760	Os01g0172400	phospholipase D, putative, expressed
LOC_Os01g07770	Os01g0172600	peroxidase precursor, putative, expressed
LOC_Os01g07780	Os01g0172800	embryo-specific 3, putative, expressed
LOC_Os01g07790	Os01g0172900	polygalacturonase, putative, expressed
LOC_Os01g07810	Os01g0173100	protein of unknown function domain containing protein, expressed
LOC_Os01g07850	Os01g0173600	glyoxalase family protein, putative, expressed
LOC_Os01g07870	Os01g0173900	ABC transporter family protein, putative, expressed
LOC_Os01g07890	Os01g0174100	expressed protein
LOC_Os01g07900	Os01g0174200	expressed protein
LOC_Os01g07910	Os01g0174300	NADH-cytochrome b5 reductase, putative, expressed
LOC_Os01g08250	Os01g0177800	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g08440	Os01g0179600	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed
LOC_Os01g08450	Os01g0179700	ras-related protein, putative, expressed
LOC_Os01g08580	Os01g0181000	frigida, putative, expressed
LOC_Os01g08610	None	hAT dimerisation domain-containing protein, putative, expressed
LOC_Os01g08740	None	expressed protein
LOC_Os01g09060	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g09110	None	retrotransposon protein, putative, unclassified
LOC_Os01g09220	Os01g0186900	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g09240	None	retrotransposon protein, putative, LINE subclass
LOC_Os01g09440	None	expressed protein
LOC_Os01g09450	Os01g0190300	OsIAA2 - Auxin-responsive Aux/IAA gene family member, expressed
LOC_Os01g09460	Os01g0190400	hexokinase, putative, expressed
LOC_Os01g09470	Os01g0190500	IQ calmodulin-binding motif family protein, expressed
LOC_Os01g09500	Os01g0191000	expressed protein
LOC_Os01g09510	Os01g0191100	60S acidic ribosomal protein, putative, expressed

LOC_Os01g09540	Os01g0191200	HAD superfamily phosphatase, putative, expressed
LOC_Os01g09550	Os01g0191300	no apical meristem protein, putative, expressed
LOC_Os01g09570	Os01g0191700	6-phosphofructokinase, putative, expressed
LOC_Os01g09720	None	dof zinc finger domain containing protein, putative, expressed
LOC_Os01g09850	Os01g0195000, Os01g0195066	ZOS1-04 - C2H2 zinc finger protein, expressed
LOC_Os01g09960	None	transposon protein, putative, unclassified, expressed
LOC_Os01g09970	None	expressed protein
LOC_Os01g10030	Os01g0196800	expressed protein
LOC_Os01g10160	None	latency associated nuclear antigen, putative, expressed
LOC_Os01g10370	Os01g0200600	AP2 domain containing protein, expressed
LOC_Os01g10420	None	expressed protein
LOC_Os01g10560	None	transposon protein, putative, unclassified
LOC_Os01g10850	Os01g0205900	peroxidase precursor, putative, expressed
LOC_Os01g10870	Os01g0206300	CAMK_KIN1/SNF1/Nim1_like
LOC_Os01g10940	Os01g0207300	S-adenosylmethionine synthetase 2, putative, expressed
LOC_Os01g10970	Os01g0207700	auxin-induced protein 5NG4, putative, expressed
LOC_Os01g10980	Os01g0207900	auxin-induced protein 5NG4, putative, expressed
LOC_Os01g11190	None	expressed protein
LOC_Os01g11200	Os01g0210200	transforming protein myb, putative, expressed
LOC_Os01g11320	None	transposon protein, putative, Pong sub-class
LOC_Os01g11330	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g11360	None	expressed protein
LOC_Os01g11650	Os01g0214800	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os01g11670	Os01g0215100	OsSCP2 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os01g11680	None	transposon protein, putative, unclassified, expressed
LOC_Os01g11690	None	expressed protein
LOC_Os01g11820	Os01g0217100	expressed protein
LOC_Os01g11830	None	oryzain alpha chain precursor, putative, expressed
LOC_Os01g11840	None	xylem cysteine proteinase 2 precursor, putative, expressed

LOC_Os01g11850	Os01g0217400	expressed protein
LOC_Os01g12030	Os01g0219600	endoglucanase precursor, putative, expressed
LOC_Os01g12040	None	transposon protein, putative, unclassified, expressed
LOC_Os01g12070	Os01g0220100	endoglucanase precursor, putative, expressed
LOC_Os01g12160	Os01g0221100	OsGH3 3 - Probable indole-3-acetic acid-amido synthetase, expressed
LOC_Os01g12330	Os01g0223300	expressed protein
LOC_Os01g12390	Os01g0223600	inactive receptor kinase At2g26730 precursor, putative, expressed
LOC_Os01g12440	Os01g0224100	AP2 domain containing protein, expressed
LOC_Os01g12860	Os01g0229000	MYB family transcription factor, putative, expressed
LOC_Os01g13050	Os01g0231300	long cell-linked locus protein, putative, expressed
LOC_Os01g13300	Os01g0234100	B3 DNA binding domain containing protein, expressed
LOC_Os01g13370	Os01g0234900	seven in absentia protein family domain containing protein, expressed
LOC_Os01g13620	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g13630	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g13840	None	PE-PGRS family protein, putative, expressed
LOC_Os01g14020	Os01g0242300	expressed protein
LOC_Os01g14030	Os01g0242400	DUF260 domain containing protein, putative, expressed
LOC_Os01g14040	Os01g0242500	D-tyrosyl-tRNA, putative, expressed
LOC_Os01g14360	None	expressed protein
LOC_Os01g14410	Os01g0246400	early light-induced protein, chloroplast precursor, putative, expressed
LOC_Os01g14580	Os01g0248400	dehydrogenase, putative, expressed
LOC_Os01g14650	Os01g0248900	expansin precursor, putative, expressed
LOC_Os01g14690	Os01g0249300	Lg106, putative, expressed
LOC_Os01g14720	Os01g0249900	transcription regulator, putative, expressed
LOC_Os01g14890	Os01g0252600	expressed protein
LOC_Os01g14926	Os01g0253000	protein kinase domain containing protein, expressed
LOC_Os01g15070	None	retrotransposon protein, putative, unclassified
LOC_Os01g15080	None	hypothetical protein
LOC_Os01g15150	None	expressed protein
LOC_Os01g15190	None	retrotransposon protein, putative, unclassified, expressed

LOC_Os01g15240	None	expressed protein
LOC_Os01g15280	None	transposon protein, putative, unclassified, expressed
LOC_Os01g15320	Os01g0257100	RALFL9 - Rapid Alkalization Factor RALF family protein precursor, expressed
LOC_Os01g15370	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g15420	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g15740	None	expressed protein
LOC_Os01g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os01g16120	Os01g0266100	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os01g16170	Os01g0266800	PQ loop repeat domain containing protein, expressed
LOC_Os01g16240	Os01g0267900	OsCam1-3 - Calmodulin, expressed
LOC_Os01g16370	Os01g0269500	NBS-LRR type disease resistance protein, putative, expressed
LOC_Os01g16520	Os01g0271200	glutamyl-tRNA synthetase, cytoplasmic, putative, expressed
LOC_Os01g16750	Os01g0274100	flavin monooxygenase, putative, expressed
LOC_Os01g17060	Os01g0278200	expressed protein
LOC_Os01g17130	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g17150	Os01g0278900	plastid-specific 50S ribosomal protein 5, chloroplast precursor, putative, expressed
LOC_Os01g17160	Os01g0278950, Os01g0279000	OsSubt1 - Putative Subtilisin homologue, expressed
LOC_Os01g17214	Os01g0279400	major facilitator superfamily antiporter, putative, expressed
LOC_Os01g17279	Os01g0280000	exonuclease, putative, expressed
LOC_Os01g17390	Os01g0281000	OsFBX5 - F-box domain containing protein, expressed
LOC_Os01g18010	Os01g0282400	hypothetical protein
LOC_Os01g18240	Os01g0285300	MYB family transcription factor, putative, expressed
LOC_Os01g18250	None	subtilase, putative, expressed
LOC_Os01g18310	Os01g0286500	expressed protein
LOC_Os01g18584	Os01g0289600	WRKY9, expressed
LOC_Os01g18620	Os01g0289900	transferase family protein, putative, expressed
LOC_Os01g18630	Os01g0290000	aspartic proteinase oryzasin-1 precursor, putative, expressed
LOC_Os01g18660	Os01g0290600	aminotransferase, putative, expressed
LOC_Os01g18670	Os01g0290700	MDR-like ABC transporter, putative, expressed

LOC_Os01g18730	None	expressed protein
LOC_Os01g18800	Os01g0292200	CAMK_KIN1/SNF1/Nim1_like 9 - CAMK includes calcium/calmodulin dependent protein kinases, expressed
LOC_Os01g18910	None	peroxidase precursor, putative, expressed
LOC_Os01g18920	None	hAT dimerisation domain-containing protein, putative
LOC_Os01g18930	Os01g0293900	peroxidase precursor, putative, expressed
LOC_Os01g18970	Os01g0294500	peroxidase precursor, putative, expressed
LOC_Os01g19010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g19050	Os01g0295100	transposon protein, putative, unclassified, expressed
LOC_Os01g19100	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g19130	Os01g0295700	protein phosphatase 2C, putative, expressed
LOC_Os01g19310	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g19410	Os01g0299500	expressed protein
LOC_Os01g19500	None	expressed protein
LOC_Os01g19529	Os01g0301500	pentatricopeptide, putative, expressed
LOC_Os01g19640	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g19710	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g19720	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g19740	Os01g0303000	calvin cycle protein CP12, putative, expressed
LOC_Os01g19760	Os01g0303200	expressed protein
LOC_Os01g19780	None	expressed protein
LOC_Os01g19894	Os01g0304500	transposon protein, putative, unclassified, expressed
LOC_Os01g19910	None	expressed protein
LOC_Os01g20040	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g20060	None	expressed protein
LOC_Os01g20150	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g20860	Os01g0310100	phospholipase D
LOC_Os01g20930	Os01g0311400	RING-H2 finger protein, putative, expressed
LOC_Os01g20980	Os01g0311800	pectinesterase, putative, expressed
LOC_Os01g21010	None	expressed protein

LOC_Os01g21050	Os01g0312700	pentatricopeptide, putative, expressed
LOC_Os01g21210	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g21320	Os01g0315800	NAD dependent epimerase/dehydratase family domain containing protein, expressed
LOC_Os01g21360	None	retrotransposon protein, putative, unclassified
LOC_Os01g21420	Os01g0316550, Os01g0316600	pre-mRNA-splicing factor SF2, putative, expressed
LOC_Os01g21760	None	retrotransposon protein, putative, unclassified
LOC_Os01g21900	Os01g0322300	expressed protein
LOC_Os01g21960	Os01g0323000	serine/threonine-protein kinase, putative, expressed
LOC_Os01g21970	Os01g0323100	protein kinase, putative, expressed
LOC_Os01g21980	Os01g0323200	expressed protein
LOC_Os01g21990	Os01g0323300	CRS2-associated factor 2, chloroplast precursor, putative, expressed
LOC_Os01g22030	Os01g0323950	expressed protein
LOC_Os01g22050	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g22090	Os01g0324400	expressed protein
LOC_Os01g22140	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g22230	Os01g0326000	peroxidase precursor, putative, expressed
LOC_Os01g22309	None	hypothetical protein
LOC_Os01g22320	None	transposon protein, putative, unclassified
LOC_Os01g22490	Os01g0328400	40S ribosomal protein S27a, putative, expressed
LOC_Os01g22500	Os01g0328500	craniofacial development protein 1, putative, expressed
LOC_Os01g22560	Os01g0329000	glycerol-3-phosphate acyltransferase 1, putative, expressed
LOC_Os01g22640	Os01g0329900	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os01g22650	None	expressed protein
LOC_Os01g22720	Os01g0330800	expressed protein
LOC_Os01g22780	Os01g0331100	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os01g22830	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g22840	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g22880	None	expressed protein
LOC_Os01g22910	Os01g0332200	retrotransposon protein, putative, unclassified, expressed

LOC_Os01g22954	Os01g0332500	serine carboxypeptidase, putative, expressed
LOC_Os01g23239	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g23420	Os01g0336100	transposon protein, putative, unclassified, expressed
LOC_Os01g23650	None	expressed protein
LOC_Os01g24030	Os01g0342900	AMP-binding enzyme, putative, expressed
LOC_Os01g24070	Os01g0343300	GATA zinc finger domain containing protein, expressed
LOC_Os01g24080	Os01g0343400	expressed protein
LOC_Os01g24130	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g24160	None	hypothetical protein
LOC_Os01g24360	None	retrotransposon protein, putative, unclassified
LOC_Os01g24450	Os01g0346800	expressed protein
LOC_Os01g24470	Os01g0347000	PHS1, putative, expressed
LOC_Os01g24700	Os01g0348800	expressed protein
LOC_Os01g24760	None	expressed protein
LOC_Os01g24880	Os01g0350900	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os01g24890	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g24910	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g24920	Os01g0351100	poly synthetase 2-B, putative, expressed
LOC_Os01g24970	Os01g0351700	expressed protein
LOC_Os01g24980	Os01g0351800	naringenin,2-oxoglutarate 3-dioxygenase, putative, expressed
LOC_Os01g25080	None	expressed protein
LOC_Os01g25150	None	jacalin-like lectin domain containing protein
LOC_Os01g25160	Os01g0354100	jacalin-like lectin domain containing protein, expressed
LOC_Os01g25300	Os01g0355400	expressed protein
LOC_Os01g25330	Os01g0355600	SAC9, putative, expressed
LOC_Os01g25510	Os01g0357400	alpha-amylase isozyme C, putative, expressed
LOC_Os01g25960	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g25990	Os01g0361500	expressed protein
LOC_Os01g26120	Os01g0363300	membrane associated DUF588 domain containing protein, putative, expressed
LOC_Os01g27070	Os01g0368500	expressed protein

LOC_Os01g27230	Os01g0369900	12-oxophytodienoate reductase, putative, expressed
LOC_Os01g27270	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g27320	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g27430	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g27700	Os01g0374600	laccase precursor protein, putative, expressed
LOC_Os01g27720	Os01g0374900	E3 ubiquitin-protein ligase MGRN1, putative, expressed
LOC_Os01g27834	None	hypothetical protein
LOC_Os01g27880	Os01g0376700	sucrose-phosphatase, putative, expressed
LOC_Os01g27940	Os01g0377500	cyclin-L1-1, putative, expressed
LOC_Os01g27970	None	hypothetical protein
LOC_Os01g28010	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g28020	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g28200	Os01g0379800	transposon protein, putative, unclassified, expressed
LOC_Os01g28270	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g28660	Os01g0383500	expressed protein
LOC_Os01g28680	Os01g0383700	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os01g28720	None	hypothetical protein
LOC_Os01g28882	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g28980	Os01g0386600	proton-dependent oligopeptide transport, putative, expressed
LOC_Os01g29030	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29040	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29050	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29290	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g29550	None	expressed protein
LOC_Os01g29570	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g29680	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os01g29760	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g29820	Os01g0392800	expressed protein
LOC_Os01g29830	Os01g0393000	expressed protein
LOC_Os01g29870	Os01g0393400	multidrug resistance protein 9, putative, expressed

LOC_Os01g31020	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g31050	Os01g0444100	expressed protein
LOC_Os01g31140	None	hypothetical protein
LOC_Os01g31230	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os01g31280	None	expressed protein
LOC_Os01g31310	None	expressed protein
LOC_Os01g31450	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g31560	None	expressed protein
LOC_Os01g31629	Os01g0501000	expressed protein
LOC_Os01g31750	None	transposon protein, putative, unclassified, expressed
LOC_Os01g31800	Os01g0502700	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed
LOC_Os01g31870	Os01g0503400	natural resistance-associated macrophage protein, putative, expressed
LOC_Os01g32000	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g32080	Os01g0505400	thiamine pyrophosphate enzyme, C-terminal TPP binding domain containing protein, expressed
LOC_Os01g32120	Os01g0505600	OsCML11 - Calmodulin-related calcium sensor protein, expressed
LOC_Os01g32150	None	expressed protein
LOC_Os01g32200	None	hypothetical protein
LOC_Os01g32300	Os01g0507500	expressed protein
LOC_Os01g32310	None	expressed protein
LOC_Os01g32364	Os01g0508000	Os1bglu1 - beta-mannosidase/glucosidase homologue, expressed
LOC_Os01g32470	None	retrotransposon protein, putative, unclassified
LOC_Os01g32500	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g32530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g32550	None	hypothetical protein
LOC_Os01g32610	Os01g0509700	expressed protein
LOC_Os01g32650	Os01g0510050	expressed protein
LOC_Os01g32810	Os01g0511400	expressed protein
LOC_Os01g33090	Os01g0514700	expressed protein
LOC_Os01g33136	None	retrotransposon protein, putative, unclassified, expressed

LOC_Os01g33142	None	hypothetical protein
LOC_Os01g33180	None	hypothetical protein
LOC_Os01g33470	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g33615	Os01g0520180	expressed protein
LOC_Os01g33740	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g33762	Os01g0521200	expressed protein
LOC_Os01g33960	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g33970	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os01g33980	None	expressed protein
LOC_Os01g34030	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g34130	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g34460	None	expressed protein
LOC_Os01g34470	Os01g0528700	tetratricopeptide repeat containing protein, putative, expressed
LOC_Os01g34480	Os01g0528800	NAD dependent epimerase/dehydratase family protein, putative, expressed
LOC_Os01g34510	None	hypothetical protein
LOC_Os01g34520	None	expressed protein
LOC_Os01g34560	Os01g0529800	3-ketoacyl-CoA synthase, putative, expressed
LOC_Os01g34620	Os01g0530400	OsGrx_S15
LOC_Os01g34710	None	transposon protein, putative, unclassified, expressed
LOC_Os01g34760	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g34910	Os01g0533250	expressed protein
LOC_Os01g35050	Os01g0534900	early-responsive to dehydration protein-related, putative, expressed
LOC_Os01g35660	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g35880	None	expressed protein
LOC_Os01g36120	None	expressed protein
LOC_Os01g36340	None	expressed protein
LOC_Os01g37280	Os01g0553600	expressed protein
LOC_Os01g37600	Os01g0556800	agenet domain containing protein, expressed
LOC_Os01g37630	Os01g0557100	esterase, putative, expressed
LOC_Os01g37670	Os01g0557400	OsFBX15 - F-box domain containing protein, expressed

LOC_Os01g37690	Os01g0557500	sodium/calcium exchanger protein, putative, expressed
LOC_Os01g37700	Os01g0557600	expressed protein
	Os01g0558850,	
LOC_Os01g37825	Os01g0558900	M16 domain containing zinc peptidase, putative, expressed
LOC_Os01g37837	Os01g0559100	seryl-tRNA synthetase, putative, expressed
LOC_Os01g37910	Os01g0559600	vacuolar-processing enzyme precursor, putative, expressed
LOC_Os01g37990	None	expressed protein
LOC_Os01g38100	Os01g0561500	expressed protein
LOC_Os01g38110	Os01g0561600	cytochrome P450, putative, expressed
LOC_Os01g38310	None	expressed protein
LOC_Os01g38400	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g38520	Os01g0566000	expressed protein
LOC_Os01g38530	Os01g0566100	ELF3 protein, putative, expressed
LOC_Os01g38620	Os01g0566900	3-5 exonuclease/ nucleic acid binding protein, putative, expressed
LOC_Os01g38940	None	expressed protein
LOC_Os01g39100	Os01g0572100	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os01g39136	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g39280	None	expressed protein
LOC_Os01g39350	Os01g0575400	protein kinase domain containing protein, expressed
LOC_Os01g39380	Os01g0575500	SCD1, putative, expressed
LOC_Os01g39700	Os01g0578950	expressed protein
LOC_Os01g39810	Os01g0580100	Alg9-like mannosyltransferase protein, putative, expressed
LOC_Os01g39860	Os01g0580500	1-aminocyclopropane-1-carboxylate oxidase protein, putative, expressed
LOC_Os01g39870	None	expressed protein
LOC_Os01g39980	Os01g0581500	hypothetical protein
LOC_Os01g40000	Os01g0581900	expressed protein
LOC_Os01g40180	None	expressed protein
LOC_Os01g40499	Os01g0587400	S-locus lectin protein kinase family protein, putative, expressed
LOC_Os01g40540	Os01g0587900	lectin receptor-type protein kinase, putative, expressed
LOC_Os01g40910	None	transposon protein, putative, unclassified

LOC_Os01g41030	Os01g0593500	ribosomal protein L25, putative, expressed
LOC_Os01g41100	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g41110	Os01g0594100	expressed protein
LOC_Os01g41145	Os01g0594600	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g41250	None	OsFBX17 - F-box domain containing protein, expressed
LOC_Os01g41610	Os01g0600000	mitochondrial ATP synthase g subunit family protein, putative, expressed
LOC_Os01g41890	Os01g0603100	MLA1, putative, expressed
LOC_Os01g41960	Os01g0604150	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g42140	Os01g0606133	expressed protein
LOC_Os01g42320	Os01g0608300	aspartic proteinase nepenthesin-2 precursor, putative, expressed
LOC_Os01g42400	None	STE_MEK_ste7_MAP2K
LOC_Os01g42610	Os01g0611800	terpene synthase, putative, expressed
LOC_Os01g42890	None	expressed protein
LOC_Os01g42990	Os01g0616600, Os01g0616666	PPR repeat domain containing protein, putative, expressed
LOC_Os01g43290	None	expressed protein
LOC_Os01g44010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g44090	Os01g0631500	X8 domain containing protein, expressed
LOC_Os01g44200	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g45040	Os01g0637300	Leucine rich repeat N-terminal domain containing protein, putative, expressed
LOC_Os01g45480	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g45540	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g45550	Os01g0643300	auxin efflux carrier component, putative, expressed
LOC_Os01g45670	Os01g0644500	expressed protein
LOC_Os01g45820	None	expressed protein
LOC_Os01g45880	Os01g0646700, Os01g0646800	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g46169	Os01g0650200	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os01g46200	Os01g0650700, Os01g0650800	expressed protein

LOC_Os01g46290	Os01g0651800	lipase, putative, expressed
LOC_Os01g46300	None	hypothetical protein
LOC_Os01g46400	Os01g0652800	expressed protein
LOC_Os01g46430	Os01g0653200	glycosyl transferase, group 1 domain containing protein, expressed
LOC_Os01g46530	None	expressed protein
	Os01g0654300,	actin-related protein 2/3 complex subunit 2, putative, expressed
LOC_Os01g46580	Os01g0654450	expressed protein
LOC_Os01g46720	Os01g0655500	inorganic phosphate transporter, putative, expressed
LOC_Os01g46860	Os01g0657100	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g47300	None	60S ribosomal protein L18a-1, putative, expressed
LOC_Os01g47680	Os01g0667100	homeobox domain containing protein, expressed
LOC_Os01g47710	Os01g0667400	ras-related protein, putative, expressed
LOC_Os01g47730	Os01g0667600	CS domain containing protein, putative, expressed
LOC_Os01g47770	Os01g0668000	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g47870	None	S-locus-like receptor protein kinase, putative, expressed
LOC_Os01g48000	Os01g0670100	glycosyltransferase family 43 protein, putative, expressed
LOC_Os01g48440	Os01g0675500	expressed protein
LOC_Os01g48525	Os01g0676800	ubiquitin-conjugating enzyme E2, putative, expressed
LOC_Os01g48580	Os01g0677500	expressed protein
LOC_Os01g48650	None	RNA polymerase III subunit RPC82 family protein, putative, expressed
LOC_Os01g48720	Os01g0679000	expressed protein
LOC_Os01g48830	Os01g0680700	dynamin-related protein 1A, putative, expressed
LOC_Os01g48900	Os01g0681100	splicing factor-related, putative, expressed
LOC_Os01g48930	Os01g0681600	ORC4 - Putative origin recognition complex subunit 4, expressed
LOC_Os01g49010	Os01g0683400	transmembrane protein 93, putative, expressed
LOC_Os01g49026	Os01g0683600	expressed protein
LOC_Os01g49030	Os01g0683700	expressed protein
LOC_Os01g49065	Os01g0684301	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g49090	None	expressed protein
LOC_Os01g49154	Os01g0685300	

LOC_Os01g49420	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g49750	Os01g0692400	expressed protein
LOC_Os01g50020	None	expressed protein
LOC_Os01g50680	Os01g0702300	OsSub2 - Putative Subtilisin homologue, expressed
LOC_Os01g50690	Os01g0702400	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os01g50710	None	hypothetical protein
LOC_Os01g50780	None	expressed protein
LOC_Os01g51330	Os01g0710300	expressed protein
LOC_Os01g51450	Os01g0711800 Os01g0714200, Os01g0714225, Os01g0714300, Os01g0714366	NAP domain containing protein, putative, expressed retrotransposon protein, putative, unclassified, expressed
LOC_Os01g51650	Os01g0715201	expressed protein
LOC_Os01g51735	None	subtilase, putative, expressed
LOC_Os01g52020	Os01g0718700	potassium channel AKT1, putative, expressed
LOC_Os01g52140	Os01g0719400 Os01g0720200, Os01g0720300	expressed protein ubiquinone oxidoreductase, putative, expressed
LOC_Os01g52214	Os01g0720600	starch synthase, putative, expressed
LOC_Os01g52250	Os01g0722700	hexokinase, putative, expressed
LOC_Os01g52450	Os01g0727800, Os01g0727840	OsSub3 - Putative Subtilisin homologue, expressed
LOC_Os01g52750	Os01g0729800	expressed protein
LOC_Os01g52910	Os01g0729900	expressed protein
LOC_Os01g52920	Os01g0730700	WRKY14, expressed
LOC_Os01g53040	Os01g0734200, Os01g0734333,	respiratory burst oxidase protein B, putative, expressed
LOC_Os01g53294	Os01g0734466	
LOC_Os01g53350	Os01g0734800	anthocyanidin 5,3-O-glucosyltransferase, putative, expressed

LOC_Os01g53520	Os01g0736900	reticulon domain containing protein, putative, expressed
LOC_Os01g53720	Os01g0739400	expressed protein
LOC_Os01g53740	None	hypothetical protein
LOC_Os01g53750	Os01g0739700	glucan endo-1,3-beta-glucosidase precursor, putative, expressed
LOC_Os01g53760	None	expressed protein
LOC_Os01g53900	Os01g0742200	elongation factor, putative, expressed
LOC_Os01g54060	None	expressed protein
LOC_Os01g54240	Os01g0746200	nucleoporin, putative, expressed
LOC_Os01g54300	Os01g0746700	OsMan02 - Endo-Beta-Mannanase, expressed
LOC_Os01g55140	Os01g0756101	expressed protein
LOC_Os01g55200	Os01g0756700	potassium channel KAT1, putative, expressed
LOC_Os01g55330	Os01g0758100	embryonic protein DC-8, putative, expressed
LOC_Os01g55795	Os01g0763800	expressed protein
LOC_Os01g56060	None	hypothetical protein
LOC_Os01g56280	None	transposon protein, putative, unclassified
LOC_Os01g56580	Os01g0772600	CK1_CaseinKinase_1a 3 - CK1 includes the casein kinase 1 kinases, expressed
	Os01g0780500,	secretory carrier-associated membrane protein, putative, expressed
LOC_Os01g57220	Os01g0780701	
LOC_Os01g57350	Os01g0782200	diacylglycerol kinase, putative, expressed
LOC_Os01g57530	Os01g0784425	expressed protein
LOC_Os01g57599	Os01g0785300	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g57954	None	translation initiation factor IF-1, chloroplast, putative, expressed
LOC_Os01g57962	None	photosystem I P700 chlorophyll a apoprotein A2, putative, expressed
LOC_Os01g57964	None	photosystem I P700 chlorophyll a apoprotein A1, putative, expressed
LOC_Os01g58022	None	NADPH-dependent oxidoreductase, putative, expressed
LOC_Os01g58024	None	NADPH-dependent oxidoreductase, putative, expressed
LOC_Os01g58160	Os01g0794250	expressed protein
LOC_Os01g58230	Os01g0794700	expressed protein
LOC_Os01g58300	None	expressed protein
LOC_Os01g58330	None	expressed protein

LOC_Os01g58870	Os01g0802850	domain of unknown function, DUF250 domain containing protein, expressed
LOC_Os01g58950	None	cytochrome P450, putative, expressed
LOC_Os01g58970	Os01g0803900	cytochrome P450, putative, expressed
LOC_Os01g59100	Os01g0805400	cytokinin-N-glucosyltransferase 1, putative, expressed
LOC_Os01g59110	Os01g0805500	indole-3-acetate beta-glucosyltransferase, putative, expressed
LOC_Os01g59360	Os01g0808400	CAMK_CAMK_like
LOC_Os01g59420	Os01g0809000	expressed protein
LOC_Os01g59530	Os01g0810300	OsCML1 - Calmodulin-related calcium sensor protein, expressed
LOC_Os01g60020	Os01g0816100	NAC domain transcription factor, putative, expressed
LOC_Os01g60140	Os01g0817400	ATCHX15, putative, expressed
LOC_Os01g60150	Os01g0817500	expressed protein
LOC_Os01g60549	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g60560	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g60760	None	expressed protein
LOC_Os01g60770	Os01g0823100	expansin precursor, putative, expressed
LOC_Os01g60850	Os01g0823700	expressed protein
LOC_Os01g60860	Os01g0823900	spotted leaf 11, putative, expressed
LOC_Os01g61020	Os01g0825600	curculin-like lectin family protein, putative, expressed
LOC_Os01g61030	Os01g0825700	VHS and GAT domain containing protein, expressed
LOC_Os01g61060	Os01g0825900	SAG20, putative, expressed
LOC_Os01g61160	Os01g0827300	laccase precursor protein, putative, expressed
LOC_Os01g61170	Os01g0827400	prenylated rab acceptor, putative, expressed
LOC_Os01g61380	Os01g0829800	lactate/malate dehydrogenase, putative, expressed
LOC_Os01g61460	Os01g0830700	leaf senescence related protein, putative, expressed
LOC_Os01g61880	Os01g0835500	respiratory burst oxidase, putative, expressed
LOC_Os01g61940	Os01g0836600	white-brown complex homolog protein, putative, expressed
LOC_Os01g62290	Os01g0840100	DnaK family protein, putative, expressed
LOC_Os01g62310	Os01g0840300	homeobox domain containing protein, expressed
LOC_Os01g62370	Os01g0841000	ENTH domain containing protein, expressed
LOC_Os01g62710	None	transposon protein, putative, unclassified

LOC_Os01g62840	Os01g0847200	mannose-1-phosphate guanyltransferase, putative, expressed
LOC_Os01g63040	Os01g0849900	expressed protein
LOC_Os01g63170	None	transposon protein, putative, unclassified, expressed
LOC_Os01g63180	Os01g0850550	laccase-6 precursor, putative, expressed
LOC_Os01g63770	Os01g0856500	transmembrane amino acid transporter protein, putative, expressed
LOC_Os01g63900	Os01g0857900	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os01g63980	Os01g0859100	ZOS1-17 - C2H2 zinc finger protein, expressed
LOC_Os01g64170	Os01g0860800	glycosyl hydrolases family 17, putative, expressed
LOC_Os01g64330	Os01g0863100	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g64520	Os01g0865100	uricase, putative, expressed
LOC_Os01g64630	Os01g0866100	actin, putative, expressed
LOC_Os01g64640	Os01g0866200	histone H3, putative, expressed
LOC_Os01g64700	Os01g0866800	OsFBT3 - F-box and tubby domain containing protein, expressed
LOC_Os01g64790	Os01g0868000	AP2 domain containing protein, expressed
LOC_Os01g64860	Os01g0868900	OsSub11 - Putative Subtilisin homologue, expressed
LOC_Os01g64870	Os01g0869000	expressed protein
LOC_Os01g64880	Os01g0869100	expressed protein
LOC_Os01g65130	Os01g0871800	peptide transporter, putative, expressed
LOC_Os01g65370	Os01g0874300	MYB family transcription factor, putative, expressed
LOC_Os01g65410	Os01g0874900	serine hydroxymethyltransferase, mitochondrial precursor, putative, expressed
LOC_Os01g65470	None	conserved hypothetical protein
LOC_Os01g65490	Os01g0875800	DNA binding protein, putative, expressed
LOC_Os01g65530	Os01g0876500	RNA recognition motif containing protein, putative, expressed
LOC_Os01g65640	Os01g0878200	expressed protein
LOC_Os01g65660	Os01g0878400	amino acid transporter, putative, expressed
LOC_Os01g65670	Os01g0878700	amino acid transporter, putative, expressed
LOC_Os01g65680	Os01g0878800	4,5-DOPA dioxygenase extradiol, putative, expressed
LOC_Os01g65750	None	transposon protein, putative, unclassified, expressed
LOC_Os01g65850	Os01g0881000	CHD3-type chromatin-remodeling factor PICKLE, putative, expressed
LOC_Os01g65860	Os01g0881100	ANTH domain containing protein, expressed

LOC_Os01g65902	None	apocytochrome f precursor, putative, expressed
LOC_Os01g65920	Os01g0881900	F-box/LRR-repeat protein 2, putative, expressed
LOC_Os01g66010	Os01g0882800	amino acid transporter, putative, expressed
LOC_Os01g66020	Os01g0883000	protein kinase family protein, putative, expressed
LOC_Os01g66100	Os01g0883800	gibberellin 20 oxidase 2, putative, expressed
LOC_Os01g66110	Os01g0883900	methyltransferase, putative, expressed
LOC_Os01g66360	Os01g0887100	2-C-methyl-D-erythritol 4-phosphate cytidylyltransferase, putative, expressed
LOC_Os01g66590	Os01g0889400	DUF260 domain containing protein, putative, expressed
LOC_Os01g66700	Os01g0891000	beta-hexosaminidase precursor, putative, expressed
LOC_Os01g66710	Os01g0891100	polygalacturonase, putative, expressed
LOC_Os01g67240	Os01g0897700	formin-like protein 1 precursor, putative, expressed
LOC_Os01g67620	None	expressed protein
LOC_Os01g67760	None	expressed protein
LOC_Os01g67850	Os01g0905700	zinc finger, RING-type, putative, expressed
LOC_Os01g67860	Os01g0905800	fructose-bisphosphate aldolase isozyme, putative, expressed
LOC_Os01g67940	None	retrotransposon, putative, centromere-specific
LOC_Os01g68070	Os01g0908800	PPR repeat containing protein, expressed
LOC_Os01g68260	Os01g0910400	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed
LOC_Os01g68340	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g68860	Os01g0917400	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os01g68990	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os01g69230	Os01g0921400	exo70 exocyst complex subunit domain containing protein, expressed
LOC_Os01g69900	Os01g0923300	CBS domain-containing protein, putative, expressed
LOC_Os01g69930	Os01g0923800	dnaJ domain containing protein, expressed
LOC_Os01g69940	Os01g0923900	OsFBX32 - F-box domain containing protein, expressed
LOC_Os01g70060	Os01g0925000	protein of unknown function, DUF618 domain containing protein, expressed
LOC_Os01g70130	Os01g0925700	protein kinase domain containing protein, expressed
LOC_Os01g70310	Os01g0928000	inducer of CBF expression 2, putative, expressed
LOC_Os01g70450	Os01g0929967	expressed protein
LOC_Os01g70540	Os01g0930950,	retrotransposon protein, putative, unclassified, expressed

LOC_Os01g70550	Os01g0931000	
LOC_Os01g70880	Os01g0931100	heparan-alpha-glucosaminide N-acetyltransferase, putative, expressed
LOC_Os01g71020	Os01g0935100	histone-like transcription factor and archaeal histone, putative, expressed
LOC_Os01g71150	Os01g0936400	expressed protein
LOC_Os01g71170	Os01g0937701	expressed protein
LOC_Os01g71390	Os01g0937900	classical arabinogalactan protein 26 precursor, putative, expressed
LOC_Os01g71490	Os01g0941300	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g71540	None	expressed protein
LOC_Os01g71620	Os01g0942900	expressed protein
LOC_Os01g71640	Os01g0944000	expressed protein
LOC_Os01g71840	None	expressed protein
LOC_Os01g72130	Os01g0946800	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g72200	Os01g0949750	glutathione S-transferase, putative, expressed
LOC_Os01g72260	Os01g0950800	expressed protein
LOC_Os01g72260	Os01g0951500	cytochrome P450, putative, expressed
LOC_Os01g72834	Os01g0958500	RNA recognition motif containing protein, putative, expressed
LOC_Os01g73250	Os01g0963600	abscisic stress-ripening, putative, expressed
LOC_Os01g73310	Os01g0964133	actin, putative, expressed
LOC_Os01g73332	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g73390	None	expressed protein
LOC_Os01g73410	Os01g0964800	FYVE zinc finger domain containing protein, expressed
LOC_Os01g73514	Os01g0966000	5-oxoprolinase, putative, expressed
LOC_Os01g73530	Os01g0966100	ABC transporter, ATP-binding protein, putative, expressed
LOC_Os01g73590	Os01g0966900	transporter family protein, putative, expressed
LOC_Os01g73620	Os01g0967100	expressed protein
LOC_Os01g73700	Os01g0968100	RCLEA2 - Root cap and Late embryogenesis related family protein precursor, putative, expressed
LOC_Os01g73900	Os01g0970600	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os01g73910	Os01g0970700	peptidase, putative, expressed
LOC_Os01g74030	Os01g0971900	pumilio-family RNA binding protein, putative, expressed

LOC_Os01g74200	Os01g0973500	protein kinase domain containing protein, expressed
LOC_Os01g74350	Os01g0974800	soluble inorganic pyrophosphatase, putative, expressed
LOC_Os01g74450	Os01g0975900	aquaporin protein, putative, expressed
LOC_Os01g74550	Os01g0976900	transposon protein, putative, unclassified, expressed
LOC_Os01g74590	Os01g0977300	MYB family transcription factor, putative, expressed
LOC_Os01g74610	Os01g0977600	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os02g01020	Os02g0100200	expressed protein
LOC_Os02g01030	Os02g0100300	tetratricopeptide repeat domain containing protein, expressed
LOC_Os02g01060	Os02g0100600	harpin-induced protein 1 domain containing protein, expressed
LOC_Os02g01070	Os02g0100700	FG-GAP repeat-containing protein, putative, expressed
LOC_Os02g01180	Os02g0101800	kinesin motor domain containing protein, putative, expressed
LOC_Os02g01190	Os02g0101900	POEI25 - Pollen Ole e I allergen and extensin family protein precursor, expressed
LOC_Os02g01220	Os02g0102300	rhodanese-like domain containing protein, putative, expressed
LOC_Os02g01250	Os02g0102700	LSM domain containing protein, expressed
LOC_Os02g01270	Os02g0102800	START domain containing protein, expressed
LOC_Os02g01280	Os02g0102900	T-complex protein, putative, expressed
LOC_Os02g01290	Os02g0103000	expressed protein
LOC_Os02g01300	Os02g0103200	invertase/pectin methylesterase inhibitor family protein, putative, expressed
LOC_Os02g01310	Os02g0103300	invertase/pectin methylesterase inhibitor family protein, putative, expressed
LOC_Os02g01326	Os02g0103600	auxin-induced protein 5NG4, putative, expressed
LOC_Os02g01332	Os02g0103700	ribosomal protein L6, putative, expressed
LOC_Os02g01340	Os02g0103800	ferredoxin--NADP reductase, chloroplast precursor, putative, expressed
LOC_Os02g01355	Os02g0104100, Os02g0104150	MADS-box transcription factor, putative, expressed
LOC_Os02g01380	Os02g0104500	expressed protein
LOC_Os02g01500	Os02g0105200	2-oxo acid dehydrogenases acyltransferase domain containing protein, expressed
LOC_Os02g01510	Os02g0105400	lactate/malate dehydrogenase, putative, expressed
LOC_Os02g01610	Os02g0106300	pentatricopeptide, putative, expressed
LOC_Os02g01700	Os02g0106600	RNA recognition motif containing protein, putative, expressed
LOC_Os02g01770	Os02g0107400	expressed protein

LOC_Os02g01940	Os02g0109400, Os02g0109501	transcription factor jumonji, putative, expressed
LOC_Os02g01960	Os02g0109800	tetratricopeptide repeat domain containing protein, expressed
LOC_Os02g02050	Os02g0110700	SNF2 family N-terminal domain containing protein, expressed
LOC_Os02g02090	Os02g0111200	peptidyl-prolyl cis-trans isomerase, putative, expressed
LOC_Os02g02130	Os02g0111700	ribosomal protein L37, putative, expressed
LOC_Os02g02140	Os02g0111800	receptor protein kinase CLAVATA1 precursor, putative, expressed
LOC_Os02g02210	Os02g0112900	aminotransferase, putative, expressed
LOC_Os02g02230	Os02g0113200 Os02g0114000, Os02g0114033	cytochrome P450, putative, expressed SNF2 family N-terminal domain containing protein, expressed
LOC_Os02g02290	Os02g0114100	auxin-induced protein 5NG4, putative, expressed
LOC_Os02g02310	Os02g0114400	glycerol-3-phosphate acyltransferase, putative, expressed
LOC_Os02g02340	Os02g0116000	ZOS2-02 - C2H2 zinc finger protein, expressed
LOC_Os02g02424	Os02g0116500	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed
LOC_Os02g02470	Os02g0116700	phytosulfokine receptor precursor, putative, expressed
LOC_Os02g02490	Os02g0117200	canopy homolog 2 precursor, putative, expressed
LOC_Os02g02524	Os02g0117900	expressed protein
LOC_Os02g02580	Os02g0118000	PPR repeat domain containing protein, putative, expressed
LOC_Os02g02590	Os02g0119100	expressed protein
LOC_Os02g02690	Os02g0119300	zinc carboxypeptidase family protein, putative, expressed
LOC_Os02g02710	Os02g0119400	SNARE domain containing protein, putative, expressed
LOC_Os02g02720	Os02g0119800	CDP-alcohol phosphatidyltransferase, putative, expressed
LOC_Os02g02750	Os02g0120000	PPR repeat domain containing protein, putative, expressed
LOC_Os02g02770	Os02g0120100	protein kinase family protein, putative, expressed
LOC_Os02g02780	Os02g0120200	C2 domain containing protein, expressed
LOC_Os02g02790	Os02g0120500	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os02g02820	Os02g0120900	bifunctional protein fold, putative, expressed
LOC_Os02g02850	Os02g0121000	glutamyl-tRNA synthetase, putative, expressed
LOC_Os02g02860		

LOC_Os02g02880	Os02g0121200	expressed protein
LOC_Os02g02900	Os02g0121400	expressed protein
LOC_Os02g02910	Os02g0121500	expressed protein
LOC_Os02g02920	Os02g0121600	HVA22, putative, expressed
LOC_Os02g02940	Os02g0121800	succinate dehydrogenase subunit 3, putative, expressed
LOC_Os02g02950	Os02g0121900	pentatricopeptide, putative, expressed
LOC_Os02g02960	Os02g0122000	histone deacetylase complex subunit SAP18, putative, expressed
LOC_Os02g02970	Os02g0122100	expressed protein
LOC_Os02g02980	Os02g0122200	MATE domain containing protein, expressed
LOC_Os02g03000	Os02g0122400	division protein, putative, expressed
LOC_Os02g03010	Os02g0122500	expressed protein
LOC_Os02g03020	Os02g0122600	EF hand family protein, putative, expressed
LOC_Os02g03050	Os02g0122900	dimethyladenosine transferase, putative, expressed
LOC_Os02g03070	Os02g0123200	SSE1, putative, expressed
LOC_Os02g03100	Os02g0123500	oxidoreductase, aldo/keto reductase family protein, putative, expressed
LOC_Os02g03110	Os02g0123600	CDP-alcohol phosphatidyltransferase, putative, expressed
LOC_Os02g03130	None	expressed protein
LOC_Os02g03200	Os02g0124400	FAD-binding and arabino-lactone oxidase domains containing protein, putative, expressed
LOC_Os02g03230	Os02g0124800	membrane related protein CP5, putative, expressed
LOC_Os02g03250	Os02g0125000	expressed protein
LOC_Os02g03260	Os02g0125100	3-isopropylmalate dehydratase large subunit 2, putative, expressed
LOC_Os02g03270	Os02g0125200	AT hook motif domain containing protein, expressed
LOC_Os02g03280	Os02g0125300	transmembrane BAX inhibitor motif-containing protein, putative, expressed
LOC_Os02g03294	Os02g0125400	cyclin, putative, expressed
LOC_Os02g03310	Os02g0125500	KH domain containing protein, putative, expressed
LOC_Os02g03360	None	expressed protein
LOC_Os02g03410	Os02g0126400	CAMK_CAMK_like 12 - CAMK includes calcium/calmodulin dependent protein kinases, expressed
LOC_Os02g03430	Os02g0126600	expressed protein
LOC_Os02g03440	Os02g0126700	LSM domain containing protein, expressed

LOC_Os02g03450	Os02g0126800	vesicle transport v-SNARE protein, putative, expressed
LOC_Os02g03480	Os02g0127100	THION24 - Plant thionin family protein precursor, expressed
LOC_Os02g03490	None	major ampullate spidroin 3, putative, expressed
LOC_Os02g03640	Os02g0129000	expressed protein
LOC_Os02g03650	None	expressed protein
LOC_Os02g03750	Os02g0130200	polygalacturonase, putative, expressed
LOC_Os02g04390	None	expressed protein
LOC_Os02g04810	Os02g0141100	auxin response factor 5, putative, expressed
LOC_Os02g04950	Os02g0142300	splicing factor 3B subunit 1, putative, expressed
LOC_Os02g05060	Os02g0143400	OsSAUR5 - Auxin-responsive SAUR gene family member, expressed
LOC_Os02g05244	Os02g0145500	expressed protein
LOC_Os02g05280	None	hypothetical protein
	Os02g0146300,	
LOC_Os02g05300	Os02g0146333	expressed protein
LOC_Os02g05340	Os02g0146700	proteasome/cyclosome repeat containing protein, expressed
LOC_Os02g05470	Os02g0148000	CCT motif family protein, expressed
LOC_Os02g05510	Os02g0148500	GATA transcription factor 25, putative, expressed
LOC_Os02g05520	Os02g0148600	expressed protein
LOC_Os02g05610	Os02g0149600	ZOS2-03 - C2H2 zinc finger protein, expressed
LOC_Os02g05630	Os02g0149800	protein phosphatase 2C, putative, expressed
LOC_Os02g05640	Os02g0149900	homeobox associated leucine zipper, putative, expressed
LOC_Os02g05650	Os02g0150000	expressed protein
LOC_Os02g05670	Os02g0150200	expressed protein
LOC_Os02g05692	Os02g0150700	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os02g05700	Os02g0150800	OsFBO8 - F-box and other domain containing protein, expressed
LOC_Os02g05720	None	pentatricopeptide repeat protein PPR986-12, putative, expressed
LOC_Os02g05730	Os02g0151100	protein kinase domain containing protein, expressed
LOC_Os02g05790	Os02g0151800	expressed protein
LOC_Os02g05800	Os02g0152100	expressed protein
LOC_Os02g05810	Os02g0152200	expressed protein

LOC_Os02g05820	Os02g0152300	protein kinase domain containing protein, expressed
LOC_Os02g05830	Os02g0152400	ribulose bisphosphate carboxylase small chain, chloroplast precursor, putative, expressed
LOC_Os02g05840	Os02g0152500	VIL2 protein, putative, expressed
LOC_Os02g05870	Os02g0152600	expressed protein
	Os02g0152700,	
LOC_Os02g05880	Os02g0152800	RNA polymerase Rpb1, domain 2 family protein, expressed
LOC_Os02g06100	None	expressed protein
LOC_Os02g06540	Os02g0160400	transporter family protein, putative, expressed
LOC_Os02g06930	Os02g0165100	protein kinase, putative, expressed
LOC_Os02g06940	None	expressed protein
LOC_Os02g06950	Os02g0165400	no apical meristem protein, putative, expressed
LOC_Os02g06970	Os02g0165800	expressed protein
LOC_Os02g07120	Os02g0167700	HEAT repeat family protein, putative, expressed
LOC_Os02g07130	None	expressed protein
LOC_Os02g07180	Os02g0168300	expressed protein
LOC_Os02g07190	Os02g0168400	expressed protein
LOC_Os02g07210	Os02g0168600	OTU-like cysteine protease family protein, putative, expressed
LOC_Os02g07300	None	hypothetical protein
LOC_Os02g07320	Os02g0169500	expressed protein
LOC_Os02g07350	Os02g0169900	inositol-1-monophosphatase, putative, expressed
LOC_Os02g07360	Os02g0170000	pentatricopeptide containing protein, putative, expressed
LOC_Os02g07370	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g07410	Os02g0170100	glycine cleavage system H protein, putative, expressed
LOC_Os02g07430	Os02g0170300	OsMADS29 - MADS-box family gene with MIKCC type-box, expressed
LOC_Os02g07440	None	DEFL78 - Defensin and Defensin-like DEFL family, expressed
LOC_Os02g07480	Os02g0170900	transglycosylase SLT domain containing protein, expressed
LOC_Os02g07650	Os02g0172800	zinc-binding protein, putative, expressed
LOC_Os02g07654	Os02g0172850	expressed protein
LOC_Os02g07690	Os02g0173200	VQ domain containing protein, putative, expressed
LOC_Os02g07720	Os02g0173500	cytidylyltransferase domain containing protein, expressed

LOC_Os02g07730	Os02g0173600	haloacid dehalogenase-like hydrolase domain-containing protein 3, putative, expressed
LOC_Os02g07740	Os02g0173700	RNA binding protein, putative, expressed
LOC_Os02g07770	Os02g0174000	Myb transcription factor, putative, expressed
LOC_Os02g07800	Os02g0174300	transcription factor, putative, expressed
LOC_Os02g07820	Os02g0174800	DUF581 domain containing protein, expressed
	Os02g0175200,	
LOC_Os02g07850	Os02g0175301	DUF630/DUF632 domains containing protein, putative, expressed
LOC_Os02g07920	Os02g0175900	expressed protein
	Os02g0175950,	
LOC_Os02g07930	Os02g0176000	B-box zinc finger family protein, putative, expressed
LOC_Os02g07970	Os02g0176200	expressed protein
LOC_Os02g07980	Os02g0176400	expressed protein
LOC_Os02g07990	None	hypothetical protein
LOC_Os02g08000	Os02g0176600	expressed protein
LOC_Os02g08020	None	hypothetical protein
LOC_Os02g08070	Os02g0177300	OsSPL5 - SBP-box gene family member, expressed
LOC_Os02g08080	Os02g0177400	expressed protein
LOC_Os02g08100	Os02g0177600	AMP-binding domain containing protein, expressed
LOC_Os02g08120	Os02g0177800	calmodulin binding protein, putative, expressed
LOC_Os02g08130	Os02g0177900	FGGY family of carbohydrate kinases, putative, expressed
LOC_Os02g08150	Os02g0178100	CCT/B-box zinc finger protein, putative, expressed
LOC_Os02g08220	Os02g0178700	expressed protein
LOC_Os02g08230	Os02g0178800	WAX2, putative, expressed
LOC_Os02g08300	Os02g0179300	RAD23 DNA repair protein, putative, expressed
LOC_Os02g08320	Os02g0179500	haemolysin-III, putative, expressed
LOC_Os02g08330	Os02g0179600	gp176, putative, expressed
LOC_Os02g08350	Os02g0179800	expressed protein
LOC_Os02g08360	Os02g0179900	RNA recognition motif, putative, expressed
LOC_Os02g08370	Os02g0180100	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed
LOC_Os02g08380	Os02g0180200	CR084 protein, putative, expressed

LOC_Os02g08410	Os02g0180500	chorismate mutase, chloroplast precursor, putative, expressed
LOC_Os02g08420	Os02g0180700	cinnamoyl CoA reductase, putative, expressed
LOC_Os02g09130	Os02g0184000	palmitoyltransferase TIP1, putative, expressed
LOC_Os02g09490	Os02g0187800	dehydrogenase, putative, expressed
LOC_Os02g09740	Os02g0190500	STRUBBELIG-RECEPTOR FAMILY 7 precursor, putative, expressed
LOC_Os02g09930	Os02g0192500	CSLA1 - cellulose synthase-like family A; mannan synthase, expressed
LOC_Os02g09960	Os02g0193000	LYK8, putative, expressed
LOC_Os02g10140	Os02g0194900	bZIP transcription factor domain containing protein, expressed
LOC_Os02g10180	Os02g0195300	dnaJ homolog subfamily C member, putative, expressed
LOC_Os02g10200	Os02g0195600	zinc finger A20 and AN1 domain-containing stress-associated protein, putative, expressed
LOC_Os02g10210	None	expressed protein
LOC_Os02g10880	Os02g0203300	UDP-glucoronosyl and UDP-glucosyl transferase domain containing protein, expressed
LOC_Os02g11050	Os02g0205300	26S protease regulatory subunit, putative, expressed
LOC_Os02g11665	Os02g0206833	transposon protein, putative, unclassified, expressed
LOC_Os02g12140	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g12240	None	expressed protein
LOC_Os02g12300	Os02g0214400	pectate lyase precursor, putative, expressed
LOC_Os02g12654	Os02g0218300	expressed protein
LOC_Os02g13020	Os02g0223300	expressed protein
LOC_Os02g13440	None	expressed protein
LOC_Os02g13510	Os02g0228300	receptor-like protein kinase 5 precursor, putative, expressed
LOC_Os02g13780	Os02g0231700	receptor-like protein kinase 2 precursor, putative, expressed
LOC_Os02g13790	None	expressed protein
LOC_Os02g13870	Os02g0232900	aquaporin protein, putative, expressed
LOC_Os02g14140	None	cytokinin inducible protein, putative, expressed
LOC_Os02g14250	None	transposon protein, putative, unclassified, expressed
LOC_Os02g14310	Os02g0238700	expressed protein
LOC_Os02g14580	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g14610	None	expressed protein
LOC_Os02g14650	None	hypothetical protein

LOC_Os02g14800	Os02g0245200	expressed protein
LOC_Os02g14850	Os02g0245900	expressed protein
LOC_Os02g15310	Os02g0252100	RNA recognition motif containing protein, expressed
LOC_Os02g15360	Os02g0252600	expressed protein
LOC_Os02g15550	Os02g0254700	spermidine synthase, putative, expressed
LOC_Os02g15690	Os02g0256100	polygalacturonase, putative, expressed
LOC_Os02g15740	Os02g0257200	expressed protein
	Os02g0257300,	
LOC_Os02g15750	Os02g0257400	expressed protein
LOC_Os02g15760	Os02g0257500	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os02g15770	None	expressed protein
LOC_Os02g15800	Os02g0258000	expressed protein
	Os02g0258200,	
LOC_Os02g15810	Os02g0258250	HMG1/2, putative, expressed
LOC_Os02g15820	Os02g0258300	extra-large G-protein-related, putative, expressed
LOC_Os02g16050	None	transposon protein, putative, unclassified, expressed
LOC_Os02g16160	None	expressed protein
LOC_Os02g16310	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os02g16320	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g16490	Os02g0264700	expressed protein
LOC_Os02g16780	Os02g0267700	expansin precursor, putative, expressed
LOC_Os02g17220	None	transposon protein, putative, unclassified, expressed
LOC_Os02g17760	Os02g0278400	cytochrome P450, putative, expressed
LOC_Os02g17840	None	expressed protein
LOC_Os02g18064	None	expressed protein
LOC_Os02g18150	Os02g0282600	expressed protein
LOC_Os02g18350	None	expressed protein
LOC_Os02g18515	Os02g0286891	retrotransposon protein, putative, unclassified, expressed
	Os02g0288700,	
LOC_Os02g18700	Os02g0288766	ABC transporter family protein, putative, expressed

LOC_Os02g18780	Os02g0289500	expressed protein
LOC_Os02g19030	None	hypothetical protein
LOC_Os02g19530	None	lectin-like receptor kinase, putative, expressed
LOC_Os02g19550	Os02g0298200	lectin-like receptor kinase, putative, expressed
LOC_Os02g19720	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g19900	Os02g0302150	expressed protein
LOC_Os02g20130	None	DEFL72 - Defensin and Defensin-like DEFL family
LOC_Os02g20210	Os02g0305300	disease resistance protein RGA1, putative, expressed
LOC_Os02g20290	None	expressed protein
LOC_Os02g20330	Os02g0306100, Os02g0306250	expressed protein
LOC_Os02g20360	Os02g0306401 Os02g0307075, Os02g0307100, Os02g0307133, Os02g0307166	tyrosine aminotransferase, putative, expressed
LOC_Os02g20420	Os02g0307800	retrotransposon protein, putative, LINE subclass, expressed
LOC_Os02g20490	None	expressed protein
LOC_Os02g20520	Os02g0308400	retrotransposon, putative, centromere-specific
LOC_Os02g20540	Os02g0309200	fasciclin domain containing protein, expressed
LOC_Os02g20590	Os02g0310825	MBTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Meprin and TRAF Homology MATH domain, expressed
LOC_Os02g20700	None	expressed protein
LOC_Os02g20820	Os02g0312500	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g20844	Os02g0313400	expressed protein
LOC_Os02g20930	Os02g0313450	apoptosis inhibitor 5, putative, expressed
LOC_Os02g20934	Os02g0313500	expressed protein
LOC_Os02g20940	Os02g0325300	CHCH domain containing protein, expressed
LOC_Os02g21980	Os02g0327500	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g22160	Os02g0329600	DNA binding protein, putative, expressed
LOC_Os02g22374		expressed protein

LOC_Os02g22740	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g22800	None	expressed protein
LOC_Os02g24090	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g24390	None	expressed protein
LOC_Os02g24420	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g24576	None	chloroplast 30S ribosomal protein S7, putative, expressed
LOC_Os02g25755	Os02g0454950	expressed protein
LOC_Os02g25780	Os02g0455400	expressed protein
LOC_Os02g25860	Os02g0456100	glutelin, putative, expressed
LOC_Os02g25870	Os02g0456500	elongation factor Tu, putative, expressed
LOC_Os02g25960	Os02g0457500	ankyrin repeat family protein, putative, expressed
LOC_Os02g25990	None	retrotransposon, putative, centromere-specific
LOC_Os02g26130	None	hypothetical protein
LOC_Os02g26210	Os02g0460200	flowering promoting factor-like 1, putative, expressed
LOC_Os02g26320	Os02g0461500	fasciclin-like arabinogalactan precursor protein, putative, expressed
LOC_Os02g26370	Os02g0461900	wiskott-Aldrich syndrome protein family member 2, putative, expressed
LOC_Os02g26390	Os02g0462200	expressed protein
LOC_Os02g26400	Os02g0462300, Os02g0462401	nuclease, EndA/NucM family protein, expressed
LOC_Os02g26560	Os02g0464500	expressed protein
LOC_Os02g26580	Os02g0464800	expressed protein
LOC_Os02g26590	None	hypothetical protein
LOC_Os02g26600	Os02g0464900	ATP binding, related, putative, expressed
LOC_Os02g26670	Os02g0465600	F-box/Kelch-repeat protein, putative, expressed
LOC_Os02g26700	Os02g0465900	cation transport regulator-like protein 1, putative, expressed
LOC_Os02g27360	Os02g0473200	aspartic proteinase-like protein 2 precursor, putative, expressed
LOC_Os02g27470	Os02g0474700	importin-7, putative, expressed
LOC_Os02g27500	Os02g0475500	Leucine Rich Repeat family protein, expressed
LOC_Os02g27910	None	expressed protein
LOC_Os02g28050	None	hypothetical protein

LOC_Os02g28120	None	retrotransposon, putative, centromere-specific expressed protein
LOC_Os02g28140	Os02g0483300	transferase family protein, putative, expressed
LOC_Os02g28200	Os02g0483800	expressed protein
LOC_Os02g28210	Os02g0484000	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os02g28260	None	hypothetical protein
LOC_Os02g28290	None	transferase family protein, putative, expressed
LOC_Os02g28410	Os02g0485800	U-box domain-containing protein, putative, expressed
LOC_Os02g28870	Os02g0490000	cytokinin-O-glucosyltransferase 2, putative, expressed
LOC_Os02g28900	Os02g0490500	transposon protein, putative, unclassified, expressed
LOC_Os02g28920	None	peptidyl-prolyl isomerase, putative, expressed
LOC_Os02g28980	Os02g0491400	expressed protein
LOC_Os02g28990	Os02g0491500	Cupin domain containing protein, expressed
LOC_Os02g29000	Os02g0491600	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g29010	Os02g0491700	expressed protein
LOC_Os02g29230	Os02g0494700	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g29570	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g29730	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g29740	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g29910	None	hypothetical protein
LOC_Os02g30180	Os02g0504500	ZOS2-07 - C2H2 zinc finger protein, expressed
LOC_Os02g30200	Os02g0504800	PE-PGRS family protein, putative, expressed
LOC_Os02g30280	Os02g0506100	expressed protein
LOC_Os02g30310	Os02g0506500	ThiF family domain containing protein, putative, expressed
LOC_Os02g30760	None	expressed protein
LOC_Os02g30780	Os02g0511600	LGC1, putative, expressed
LOC_Os02g30790	Os02g0511800	SAR DNA-binding protein-like, putative, expressed
LOC_Os02g30800	Os02g0511900, Os02g0511901	POLE1 - Putative DNA polymerase epsilon catalytic subunit, expressed
LOC_Os02g30900	Os02g0513000	protein kinase domain containing protein, expressed
LOC_Os02g30974	Os02g0513800	expressed protein

LOC_Os02g31280	Os02g0517476	expressed protein
LOC_Os02g31290	Os02g0517531	AML1, putative, expressed
LOC_Os02g31300	Os02g0517564	UBX domain containing protein, expressed
LOC_Os02g32060	Os02g0520100	hydrolase, NUDIX family, domain containing protein, expressed
LOC_Os02g32160	Os02g0521300	copine, putative, expressed
LOC_Os02g32180	Os02g0521500	expressed protein
LOC_Os02g32200	Os02g0521700	thioesterase family protein, putative, expressed
LOC_Os02g32210	Os02g0521800	expressed protein
LOC_Os02g32280	Os02g0522700	expressed protein
LOC_Os02g32350	Os02g0523500	TUDOR protein with multiple SNC domains, putative, expressed
LOC_Os02g32504	Os02g0526000	heparan-alpha-glucosaminide N-acetyltransferase, putative, expressed
LOC_Os02g32660	Os02g0528200	1,4-alpha-glucan-branching enzyme, chloroplast precursor, putative, expressed
LOC_Os02g32920	Os02g0530901	expressed protein
LOC_Os02g32960	None	expressed protein
LOC_Os02g33230	Os02g0535700	nucleoside-diphosphate-sugar epimerase, putative, expressed
LOC_Os02g33460	Os02g0537800	transposon protein, putative, Mutator sub-class, expressed
LOC_Os02g33570	None	expressed protein
LOC_Os02g33580	Os02g0539100	digalactosyldiacylglycerol synthase, chloroplast precursor, putative, expressed
LOC_Os02g33610	Os02g0539600	metallo-beta-lactamase, putative, expressed
LOC_Os02g33670	Os02g0540400	expressed protein
LOC_Os02g33720	Os02g0541500	RING-H2 finger protein, putative, expressed
LOC_Os02g33900	None	transposon protein, putative, unclassified, expressed
LOC_Os02g34030	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g34060	Os02g0544800	expressed protein
LOC_Os02g34140	None	expressed protein
LOC_Os02g34150	None	hypothetical protein
LOC_Os02g34290	None	expressed protein
LOC_Os02g34310	Os02g0547300	expressed protein
LOC_Os02g34510	Os02g0550100	vacuolar ATP synthase, putative, expressed
LOC_Os02g34690	Os02g0552000	transmembrane 9 superfamily member, putative, expressed

LOC_Os02g34710	Os02g0552200	expressed protein
LOC_Os02g34800	None	leucine-rich repeat receptor protein kinase EXS precursor, putative, expressed
LOC_Os02g34980	None	hypothetical protein
LOC_Os02g34990	Os02g0555600	ACT domain containing protein, putative, expressed
LOC_Os02g35450	Os02g0562100	DNA repair protein Rad51, putative, expressed
LOC_Os02g35500	Os02g0562700	NAD binding domain of 6-phosphogluconate dehydrogenase containing protein, expressed
LOC_Os02g35560	Os02g0563800	OsFBX53 - F-box domain containing protein, expressed
LOC_Os02g35650	Os02g0564600	late embryogenesis abundant protein, putative, expressed
LOC_Os02g35660	Os02g0564700	PTF1, putative, expressed
LOC_Os02g35740	None	expressed protein
LOC_Os02g35860	Os02g0566700	expressed protein
LOC_Os02g35870	Os02g0566800	galactosyltransferase, putative, expressed
LOC_Os02g35920	None	expressed protein
LOC_Os02g35940	Os02g0567800	gibberellin receptor GID1L2, putative, expressed
LOC_Os02g35950	Os02g0567900	RNA recognition motif containing protein, putative, expressed
LOC_Os02g36000	Os02g0568600	zinc finger protein, putative, expressed
LOC_Os02g36020	Os02g0568700	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os02g36080	None	transposon protein, putative, unclassified, expressed
LOC_Os02g36200	None	hypothetical protein
LOC_Os02g36390	Os02g0573300	nucleotide-sugar transporter family protein, putative, expressed
LOC_Os02g36910	None	transposon protein, putative, unclassified
LOC_Os02g37990	Os02g0593100	histamine oxidase, putative
LOC_Os02g38090	Os02g0594300	AP2 domain containing protein, expressed
LOC_Os02g38130	Os02g0594800	no apical meristem protein, putative, expressed
LOC_Os02g38490	Os02g0598400	expressed protein
LOC_Os02g38508	Os02g0598700	expressed protein
LOC_Os02g38800	Os02g0600000	26S proteasome non-ATPase regulatory subunit 6, putative, expressed
LOC_Os02g39450	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g39470	Os02g0607400, Os02g0607433	cyclin, N-terminal domain containing protein, expressed

LOC_Os02g39790	Os02g0611200	CPuORF9 - conserved peptide uORF-containing transcript, expressed
LOC_Os02g39910	Os02g0612700	B4-BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with B4 subfamily conserved sequence, expressed
LOC_Os02g40010	Os02g0613900	phosphoribosyl transferase, putative, expressed
LOC_Os02g40330	Os02g0616600	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g41480	Os02g0623600	OsWAK12 - OsWAK receptor-like cytoplasmic kinase OsWAK-RLCK, expressed
LOC_Os02g41630	Os02g0626100	phenylalanine ammonia-lyase, putative, expressed
LOC_Os02g41860	Os02g0629200	aquaporin protein, putative, expressed
LOC_Os02g41954	Os02g0630300	gibberellin 2-beta-dioxygenase 7, putative, expressed
LOC_Os02g42030	None	hypothetical protein
LOC_Os02g42060	Os02g0631700	response regulator receiver domain containing protein, expressed
LOC_Os02g42110	Os02g0632100	wall-associated receptor kinase-like 22 precursor, putative, expressed
LOC_Os02g42520	Os02g0637700	dehydrogenase, putative, expressed
LOC_Os02g42585	Os02g0638650	AP2 domain containing protein, expressed
LOC_Os02g42970	Os02g0643600	NAC domain containing protein, putative, expressed
LOC_Os02g43030	Os02g0644200	integral membrane protein, putative, expressed
LOC_Os02g43090	Os02g0644700	myristoyl-acyl carrier protein thioesterase, chloroplast precursor, putative, expressed
LOC_Os02g43560	Os02g0652100	WRKY34, expressed
LOC_Os02g43590	Os02g0652300	ELMO/CED-12 family protein, putative, expressed
LOC_Os02g43610	None	expressed protein
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g44290	Os02g0661800	phosphatase, putative, expressed
LOC_Os02g44300	Os02g0661900	MSP domain containing protein, expressed
LOC_Os02g44310	Os02g0662000	LTPL112 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os02g44470	Os02g0663800	actin-depolymerizing factor, putative, expressed
LOC_Os02g44500	Os02g0664000	glutathione peroxidase, putative, expressed
LOC_Os02g44870	Os02g0669100	dehydrin, putative, expressed
LOC_Os02g44910	Os02g0670000	transmembrane protein, putative, expressed
LOC_Os02g44920	Os02g0670100	protein kinase domain containing protein, expressed
LOC_Os02g45300	None	hypothetical protein

LOC_Os02g45310	Os02g0675700	dehydration response related protein, putative, expressed
LOC_Os02g45370	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g45590	Os02g0679200	PPR repeat domain containing protein, putative, expressed
LOC_Os02g46210	Os02g0687200	DUF581 domain containing protein, expressed
LOC_Os02g46260	Os02g0687900	OsSCP9 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os02g46390	None	expressed protein
LOC_Os02g46400	None	expressed protein
LOC_Os02g46440	Os02g0689700	expressed protein
LOC_Os02g46450	Os02g0689800	helicase conserved C-terminal domain containing protein, expressed
LOC_Os02g46473	Os02g0690000	expressed protein
LOC_Os02g46780	Os02g0695200	MYB family transcription factor, putative, expressed
LOC_Os02g47220	Os02g0700600	CPuORF20 - conserved peptide uORF-containing transcript, expressed
LOC_Os02g47280	Os02g0701300	growth-regulating factor, putative, expressed
LOC_Os02g47330	Os02g0701750	expressed protein
LOC_Os02g47990	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g48020	None	expressed protein
LOC_Os02g48080	Os02g0710500	cysteine-rich receptor-like protein kinase 7 precursor, putative, expressed
	Os02g0714200	pyrophosphate--fructose 6-phosphate 1-phosphotransferase subunit alpha, putative, expressed
LOC_Os02g48360	Os02g0714600	phosphoribosyl transferase, putative, expressed
LOC_Os02g48390	Os02g0716500	fatty acid desaturase, putative, expressed
LOC_Os02g48560	Os02g0717300	mitochondrial import inner membrane translocase subunit Tim17, putative, expressed
LOC_Os02g48610	Os02g0717500	expressed protein
LOC_Os02g48630	Os02g0717600	expressed protein
LOC_Os02g48640	Os02g0720400	plant-specific domain TIGR01615 family protein, expressed
LOC_Os02g48850	Os02g0722400	amino acid transporter, putative, expressed
LOC_Os02g49060	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os02g49170	None	hypothetical protein
LOC_Os02g49220	Os02g0725300	CSLE2 - cellulose synthase-like family E, expressed
LOC_Os02g49332	Os02g0725900	histone-like transcription factor and archaeal histone, putative, expressed

LOC_Os02g49460	Os02g0726500	auxin-independent growth promoter protein, putative, expressed
LOC_Os02g49580	None	expressed protein
LOC_Os02g49590	Os02g0728300	ASC1, putative, expressed
LOC_Os02g49600	Os02g0728500	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1 precursor, putative, expressed
LOC_Os02g49650	Os02g0729100	leaf senescence related protein, putative, expressed
LOC_Os02g49690	Os02g0729500	ACT domain-containing protein, putative, expressed
LOC_Os02g49750	None	expressed protein
LOC_Os02g49820	Os02g0730800	RNA recognition motif family protein, expressed
LOC_Os02g49850	Os02g0731400	plastocyanin-like domain containing protein, putative, expressed
LOC_Os02g49950	Os02g0732200	spotted leaf 11, putative, expressed
LOC_Os02g50174	Os02g0734600	caleosin related protein, putative, expressed
LOC_Os02g50210	Os02g0734900	erwinia induced protein 2, putative, expressed
LOC_Os02g50610	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g50670	None	expressed protein
LOC_Os02g50970	Os02g0743500	protein kinase domain containing protein, expressed
LOC_Os02g51040	Os02g0744200	expansin precursor, putative, expressed
LOC_Os02g51070	Os02g0744700	starch synthase, putative, expressed
LOC_Os02g51110	Os02g0745100	aquaporin protein, putative, expressed
LOC_Os02g51130	Os02g0745400	glycosyl transferase 8 domain containing protein, putative, expressed
LOC_Os02g51280	Os02g0747400	TCP-domain protein, putative, expressed
LOC_Os02g51310	None	TCP family transcription factor, putative, expressed
LOC_Os02g51320	Os02g0747900	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os02g51330	Os02g0748100	MAG2, putative, expressed
LOC_Os02g51350	Os02g0748300	OsFBK10 - F-box domain and kelch repeat containing protein, expressed
LOC_Os02g51360	None	expressed protein
LOC_Os02g51490	Os02g0750500	methyltransferase, putative, expressed
LOC_Os02g51540	Os02g0751100	eukaryotic aspartyl protease domain containing protein, expressed
LOC_Os02g51660	Os02g0752600	trpH, putative, expressed
LOC_Os02g51670	Os02g0752800	ethylene-responsive transcription factor, putative, expressed

LOC_Os02g51680	Os02g0753000	uncharacterized glycosyl hydrolase Rv2006/MT2062, putative, expressed
LOC_Os02g51700	Os02g0753200	expressed protein
LOC_Os02g51710	Os02g0753300	wound/stress protein, putative, expressed
LOC_Os02g51720	Os02g0753400	expressed protein
LOC_Os02g51970	Os02g0756200	phosphate-induced protein 1 conserved region domain containing protein, expressed
LOC_Os02g52170	Os02g0758200	expressed protein
LOC_Os02g52850	Os02g0767400	receptor-like protein kinase like protein, putative, expressed
	Os02g0767900,	
LOC_Os02g52900	Os02g0768100	glutaredoxin 2, putative, expressed
LOC_Os02g53020	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os02g53260	Os02g0772300	acetyltransferase, GNAT family, putative, expressed
LOC_Os02g53440	None	expressed protein
LOC_Os02g53600	Os02g0776200	DEFL75 - Defensin and Defensin-like DEFL family, expressed
LOC_Os02g53690	Os02g0776900	growth regulating factor protein, putative, expressed
LOC_Os02g53700	Os02g0777100	DENN domain containing protein, expressed
LOC_Os02g53710	None	expressed protein
LOC_Os02g53860	Os02g0779200	OsSub22 - Putative Subtilisin homologue, expressed
LOC_Os02g53960	None	CXE carboxylesterase, putative, expressed
LOC_Os02g53990	Os02g0780500	cyclin-related protein, putative, expressed
	Os02g0786300,	
LOC_Os02g54520	Os02g0786400	MYB family transcription factor, putative, expressed
LOC_Os02g54860	Os02g0791200	ankyrin repeat-rich protein, putative, expressed
LOC_Os02g55250	Os02g0795800	BHLH transcription factor, putative, expressed
LOC_Os02g55380	Os02g0797100	AP2 domain containing protein, expressed
LOC_Os02g56190	Os02g0805700	expressed protein
LOC_Os02g56260	Os02g0806500	expressed protein
	Os02g0810000,	
LOC_Os02g56530	Os02g0810100	ankyrin repeat domain containing protein, expressed
LOC_Os02g56710	Os02g0811902	hypothetical protein
LOC_Os02g56970	Os02g0814800	uncharacterized protein yqjG, putative, expressed

LOC_Os02g57190	Os02g0816900	Myosin head domain containing protein, expressed
LOC_Os02g57620	Os02g0822100	Citrate transporter protein, putative, expressed
LOC_Os02g57770	Os02g0823700	glycosyl hydrolases family 16, putative, expressed
LOC_Os02g57854	Os02g0824700	vacuolar ATP synthase subunit F, putative, expressed
LOC_Os02g58020	Os02g0826500	ABC transporter, ATP-binding protein, putative, expressed
LOC_Os02g58030	Os02g0826600	leucine-rich repeat-containing protein 40, putative, expressed
LOC_Os02g58050	None	hypothetical protein
LOC_Os02g58120	Os02g0827600	oxidoreductase/ transition metal ion binding protein, putative, expressed
LOC_Os02g58300	Os02g0829800	expressed protein
LOC_Os02g58310	Os02g0829850	expressed protein
LOC_Os02g58330	Os02g0830000	expressed protein
LOC_Os02g58440	Os02g0831100	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os02g58460	Os02g0831300	beta-catenin-like protein 1, putative, expressed
LOC_Os02g58470	Os02g0831400	expressed protein
LOC_Os02g58554	Os02g0832400	expressed protein
LOC_Os02g58600	Os02g0832900	expressed protein
LOC_Os03g01170	Os03g0101300	transporter family protein, putative, expressed
	Os03g0102300,	
	Os03g0102333,	
LOC_Os03g01240	Os03g0102366	CCR4-Not complex component, Not1domain containing protein, expressed
LOC_Os03g01270	Os03g0102700	expansin precursor, putative, expressed
LOC_Os03g01450	Os03g0104901	expressed protein
LOC_Os03g01560	Os03g0105900	expressed protein
LOC_Os03g01580	Os03g0106200	expressed protein
LOC_Os03g01590	Os03g0106300	PAIR1, putative, expressed
LOC_Os03g01610	Os03g0106500	expansin precursor, putative, expressed
LOC_Os03g01720	Os03g0107500	protein binding protein, putative, expressed
LOC_Os03g01740	Os03g0107700	expressed protein
LOC_Os03g01750	Os03g0107800	dual specificity protein phosphatase, putative, expressed
LOC_Os03g01760	Os03g0107900	exostosin family domain containing protein, expressed

LOC_Os03g01790	Os03g0108200	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os03g01820	Os03g0108500	fatty acid hydroxylase, putative, expressed
LOC_Os03g02010	Os03g0110800	DNA methyltransferase protein, putative, expressed
LOC_Os03g02100	Os03g0111700	valyl-tRNA synthetase, putative, expressed
LOC_Os03g02260	Os03g0113700	DnaK family protein, putative, expressed
LOC_Os03g02460	Os03g0115700	retinol dehydrogenase, putative, expressed
	Os03g0116300,	
LOC_Os03g02514	Os03g0116316	hydrolase, alpha/beta fold family protein, putative, expressed
LOC_Os03g02530	Os03g0116400	OsRhmbd7 - Putative Rhomboid homologue, expressed
LOC_Os03g02900	Os03g0120900	B3 DNA binding domain containing protein, expressed
LOC_Os03g03034	Os03g0122300	flavonol synthase/flavanone 3-hydroxylase, putative, expressed
LOC_Os03g03180	Os03g0123600	uncharacterized Cys-rich domain containing protein, putative, expressed
LOC_Os03g03400	Os03g0125400	diacylglycerol kinase, putative, expressed
LOC_Os03g03410	Os03g0125600	serine/threonine-protein kinase, putative, expressed
LOC_Os03g03430	Os03g0125800	CBS domain containing protein, expressed
LOC_Os03g03440	Os03g0125900	expressed protein
LOC_Os03g03450	Os03g0126000	anthranilate phosphoribosyltransferase, chloroplast precursor, putative, expressed
LOC_Os03g03460	Os03g0126100	erythronate-4-phosphate dehydrogenase, putative, expressed
LOC_Os03g03470	Os03g0126300	expressed protein
LOC_Os03g03500	Os03g0126700	heavy metal-associated domain containing protein, expressed
	Os03g0126800	CAMK_KIN1/SNF1/Nim1_like 15 - CAMK includes calcium/calmodulin dependent protein kinases, expressed
LOC_Os03g03510	Os03g0127000	expressed protein
LOC_Os03g03530	Os03g0127500	bZIP family transcription factor, putative, expressed
LOC_Os03g03550	Os03g0128100	1,3-beta-glucan synthase component domain containing protein, expressed
LOC_Os03g03610	Os03g0128200	glycosylphosphatidylinositol anchor biosynthesis protein 11, putative, expressed
LOC_Os03g03690	Os03g0129000	ribonuclease protein, putative, expressed
LOC_Os03g03710	Os03g0129200	MYB family transcription factor, putative, expressed
LOC_Os03g03760	None	GATA zinc finger domain containing protein, expressed
LOC_Os03g03850	Os03g0134300	ATP phosphoribosyltransferase, putative, expressed
LOC_Os03g04169		

LOC_Os03g04190	Os03g0134500	cytochrome P450, putative, expressed
LOC_Os03g04195	Os03g0134600	expressed protein
LOC_Os03g04270	Os03g0135400	OsFBL10 - F-box domain and LRR containing protein, expressed
LOC_Os03g04300	Os03g0135600	ankyrin repeat domain containing protein, expressed
LOC_Os03g04340	Os03g0136200	C-methyltransferase, putative, expressed
LOC_Os03g04350	None	expressed protein
LOC_Os03g04370	Os03g0136500	protein-methionine-S-oxide reductase, putative, expressed
LOC_Os03g04400	Os03g0136800	heat shock protein DnaJ, putative, expressed
LOC_Os03g04410	Os03g0136900	aconitase hydratase protein, putative, expressed
LOC_Os03g04450	Os03g0137400	expressed protein
LOC_Os03g04470	Os03g0137600	expressed protein
LOC_Os03g04480	Os03g0137700	CorA-like magnesium transporter protein, putative, expressed
LOC_Os03g04530	Os03g0138200	cytochrome P450, putative, expressed
LOC_Os03g04540	None	expressed protein
LOC_Os03g04545	Os03g0138400	expressed protein
LOC_Os03g04550	Os03g0138500	expressed protein
LOC_Os03g04580	Os03g0138900	expressed protein
LOC_Os03g04590	Os03g0139100	ribosomal protein, putative, expressed
LOC_Os03g04600	Os03g0139200	expressed protein
LOC_Os03g04610	Os03g0139400	expressed protein
LOC_Os03g04620	Os03g0139500	CCT motif family protein, expressed
LOC_Os03g04630	Os03g0139600	cytochrome P450 protein, putative, expressed
LOC_Os03g04690	Os03g0140500	expressed protein
LOC_Os03g04710	Os03g0140700	expressed protein
LOC_Os03g04750	Os03g0141000	60S ribosomal protein L21-2, putative, expressed
LOC_Os03g04760	Os03g0141100	expressed protein
LOC_Os03g04770	Os03g0141200	beta-amylase, putative, expressed
LOC_Os03g04780	Os03g0141300	RNA recognition motif containing protein, putative, expressed
LOC_Os03g04830	Os03g0141700	expressed protein
LOC_Os03g04890	Os03g0142500	zinc finger family protein, putative, expressed

LOC_Os03g04930	Os03g0142900	expressed protein
LOC_Os03g04970	Os03g0143400	T-complex protein, putative, expressed
LOC_Os03g04980	Os03g0143600	PHD-finger domain containing protein, putative, expressed
LOC_Os03g04990	Os03g0143700	expressed protein
LOC_Os03g05020	Os03g0143800	PIR, putative, expressed
LOC_Os03g05060	Os03g0144300	exostosin family domain containing protein, expressed
LOC_Os03g05120	Os03g0144951	expressed protein
LOC_Os03g05130	None	expressed protein
LOC_Os03g05180	Os03g0145300	expressed protein
LOC_Os03g05260	Os03g0145800	ankyrin repeat domain containing protein, expressed
LOC_Os03g05270	Os03g0145900	RING finger and CHY zinc finger domain-containing protein 1, putative, expressed
LOC_Os03g05300	Os03g0146300	cyclin-dependent kinases regulatory subunit 1, putative, expressed
LOC_Os03g05310	Os03g0146400	pheophorbide a oxygenase, chloroplast precursor, putative, expressed
LOC_Os03g05320	Os03g0146500	expressed protein
LOC_Os03g05330	Os03g0146600	HEAT repeat family protein, putative, expressed
	Os03g0146900,	
LOC_Os03g05340	Os03g0147001	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g05370	Os03g0147200	expressed protein
LOC_Os03g05410	None	expressed protein
LOC_Os03g05450	Os03g0148300	expressed protein
LOC_Os03g05530	Os03g0149300	nodulin, putative, expressed
LOC_Os03g05540	Os03g0149400	tetratricopeptide repeat containing protein, putative, expressed
LOC_Os03g05580	None	expressed protein
LOC_Os03g05630	Os03g0150700	expressed protein
LOC_Os03g05660	Os03g0151100	appr-1-p processing enzyme family protein, putative, expressed
LOC_Os03g05680	Os03g0151300	histone demethylase JARID1C, putative, expressed
LOC_Os03g05720	Os03g0151700	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os03g05730	Os03g0151800	cell division control protein 48 homolog E, putative, expressed
LOC_Os03g05750	Os03g0152000	heavy-metal-associated domain-containing protein, putative, expressed
LOC_Os03g05760	Os03g0152100	transcription factor Dp, putative, expressed

LOC_Os03g05780	Os03g0152400	4-coumarate--CoA ligase-like 7, putative, expressed
LOC_Os03g05800	Os03g0152600	expressed protein
LOC_Os03g05890	None	expressed protein
LOC_Os03g06040	Os03g0155900	expansin precursor, putative, expressed
LOC_Os03g06070	Os03g0156500	la domain containing protein, putative, expressed
LOC_Os03g06120	Os03g0157300	PLAC8 family protein, expressed
LOC_Os03g06139	Os03g0157400	ABC-2 type transporter domain containing protein, expressed
	Os03g0157500	BTBP1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with pentapeptide repeats, expressed
LOC_Os03g06160	Os03g0157600	hsp20/alpha crystallin family protein, putative, expressed
LOC_Os03g06170	Os03g0157700	expressed protein
LOC_Os03g06180	Os03g0159200	XS domain containing protein, expressed
LOC_Os03g06340	Os03g0159700	PPR repeat domain containing protein, putative, expressed
LOC_Os03g06370	Os03g0160400	RNA helicase SDE3, putative, expressed
LOC_Os03g06440	None	expressed protein
LOC_Os03g06530	Os03g0161400	IQ calmodulin-binding motif family protein, putative, expressed
LOC_Os03g06600	None	expressed protein
LOC_Os03g06610	Os03g0161600	expressed protein
LOC_Os03g06670	Os03g0162200	Core histone H2A/H2B/H3/H4 domain containing protein, putative, expressed
LOC_Os03g06710	Os03g0162900	PPR repeat domain containing protein, putative, expressed
LOC_Os03g06720	Os03g0163100	expressed protein
LOC_Os03g06890	Os03g0164800	DUF593 domain containing protein, expressed
LOC_Os03g06900	Os03g0165000	DNA topoisomerase 3 protein, putative, expressed
LOC_Os03g06910	Os03g0165100	PPR repeat containing protein, expressed
	Os03g0165200,	
LOC_Os03g06920	Os03g0165266	DRD1, putative, expressed
LOC_Os03g06930	Os03g0165300	homeodomain protein, putative, expressed
LOC_Os03g06950	Os03g0165600	ubiquitin carboxyl-terminal hydrolase domain containing protein, expressed
LOC_Os03g06960	Os03g0165800	vesicle-associated membrane protein, putative, expressed
LOC_Os03g06970	Os03g0165900	tetratricopeptide repeat domain containing protein, expressed

LOC_Os03g06980	Os03g0166000	nucleic acid binding protein, putative, expressed
LOC_Os03g06990	Os03g0166100	oxidoreductase, putative, expressed
LOC_Os03g07100	Os03g0167000	LTPL82 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os03g07110	Os03g0167200	calmodulin-binding protein, putative, expressed
LOC_Os03g07130	Os03g0167500	RING finger protein 13, putative, expressed
	Os03g0167600,	
LOC_Os03g07140	Os03g0167750	male sterility protein, putative, expressed
LOC_Os03g07160	Os03g0167800	OsFBK11 - F-box domain and kelch repeat containing protein, expressed
LOC_Os03g07220	Os03g0168400	PPR repeat domain containing protein, putative, expressed
LOC_Os03g07226	Os03g0168500	thioredoxin, putative, expressed
LOC_Os03g07250	Os03g0168600	cytochrome P450, putative, expressed
LOC_Os03g07260	Os03g0168700	tetratricopeptide repeat domain containing protein, expressed
LOC_Os03g07290	Os03g0168900	structural constituent of ribosome, putative, expressed
LOC_Os03g07300	Os03g0169100	ribulose-phosphate 3-epimerase, chloroplast precursor, putative, expressed
LOC_Os03g07350	Os03g0169500	CSLA4 - cellulose synthase-like family A; mannan synthase, expressed
LOC_Os03g07370	Os03g0169800	HNH endonuclease domain-containing protein, putative, expressed
LOC_Os03g07480	Os03g0170900	sucrose transporter, putativ, expressed
LOC_Os03g07530	Os03g0171600	OsFBK12 - F-box domain and kelch repeat containing protein, expressed
LOC_Os03g07540	Os03g0171700	bHLH family protein, putative, expressed
LOC_Os03g07560	Os03g0171801	hypothetical protein
LOC_Os03g07570	Os03g0171900	aminotransferase, putative, expressed
LOC_Os03g07580	Os03g0172000	OsNucAP1 - Putative Nucleoporin Autopeptidase homologue, expressed
LOC_Os03g07590	Os03g0172100	expressed protein
LOC_Os03g07700	Os03g0173100	expressed protein
LOC_Os03g07710	Os03g0173200	hypothetical protein
LOC_Os03g07720	Os03g0173301	expressed protein
LOC_Os03g07730	Os03g0173401	expressed protein
LOC_Os03g07750	Os03g0173700	expressed protein
LOC_Os03g07790	Os03g0173900	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os03g07800	Os03g0174100	RNA recognition motif containing protein, putative, expressed

LOC_Os03g07820	Os03g0174300	exostosin family protein, putative, expressed
LOC_Os03g07830	Os03g0174400	AP2 domain containing protein, expressed
LOC_Os03g07840	Os03g0174500	adenylosuccinate synthetase, chloroplast precursor, putative, expressed
LOC_Os03g07850	Os03g0174600	tRNA methyltransferase, putative, expressed
LOC_Os03g07960	Os03g0176700	expressed protein
LOC_Os03g07970	Os03g0176800	expressed protein
LOC_Os03g07990	Os03g0177000	acetyltransferase, GNAT family, putative, expressed
LOC_Os03g08070	Os03g0178100	copper-transporting ATPase PAA1, putative, expressed
LOC_Os03g08080	Os03g0178200	YGGT family protein, putative, expressed
LOC_Os03g08130	Os03g0178900	expressed protein
LOC_Os03g08140	Os03g0179000	tubulin--tyrosine ligase-like protein 12, putative, expressed
LOC_Os03g08170	Os03g0179400	protein kinase APK1B, chloroplast precursor, putative, expressed
LOC_Os03g08300	Os03g0180700	glycosyl transferase, group 1 domain containing protein, expressed
LOC_Os03g08680	Os03g0185200	pentatricopeptide, putative, expressed
LOC_Os03g08720	Os03g0185700	transferase family protein, putative, expressed
LOC_Os03g09070	Os03g0190300	leucine rich repeat domain containing protein, putative, expressed
LOC_Os03g09140	Os03g0191400	ras-related protein, putative, expressed
LOC_Os03g09250	Os03g0192700	inositol-3-phosphate synthase, putative, expressed
LOC_Os03g09840	Os03g0194100	C2 domain containing protein, putative, expressed
LOC_Os03g09860	Os03g0194400	acetyltransferase, GNAT family, putative, expressed
LOC_Os03g09880	Os03g0194600	AIR12, putative, expressed
LOC_Os03g09910	Os03g0195100	aminotransferase, classes I and II, domain containing protein, expressed
LOC_Os03g09970	Os03g0195800	sulfate transporter, putative, expressed
LOC_Os03g10040	Os03g0196500	OsFBX77 - F-box domain containing protein, expressed
LOC_Os03g10110	Os03g0197300	cupin domain containing protein, expressed
LOC_Os03g10220	Os03g0198900	methyladenine glycosylase, putative, expressed
LOC_Os03g10280	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g10290	Os03g0199900	expressed protein
LOC_Os03g10320	Os03g0199940	expressed protein
LOC_Os03g10370	Os03g0200200	ADP-ribosylation factor, putative, expressed

LOC_Os03g10380	Os03g0200800	hypothetical protein
LOC_Os03g10390	None	expressed protein
LOC_Os03g10430	Os03g0201000	expressed protein
LOC_Os03g10440	Os03g0201500	glycosyl hydrolase family 10 protein, putative, expressed
LOC_Os03g10460	Os03g0201700	expressed protein
LOC_Os03g10590	Os03g0203000	splicing factor, putative, expressed
	Os03g0204432,	
LOC_Os03g10710	Os03g0204500	expressed protein
LOC_Os03g10730	Os03g0204800	expressed protein
LOC_Os03g10740	Os03g0204900	expressed protein
LOC_Os03g10750	Os03g0205000	CUE domain containing protein, expressed
LOC_Os03g10770	Os03g0205300	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os03g10790	Os03g0205500	cytochrome b5-like Heme/Steroid binding domain containing protein, expressed
	Os03g0205700	BTBN4 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 NPH3 domain, expressed
LOC_Os03g10800	Os03g0205800	HLS, putative, expressed
LOC_Os03g10820	Os03g0206100	expressed protein
LOC_Os03g11110	Os03g0209500	zinc finger family protein, putative, expressed
LOC_Os03g11120	Os03g0209600	methionyl-tRNA synthetase, putative, expressed
LOC_Os03g11220	Os03g0210600	keratin, type I cytoskeletal 9, putative, expressed
LOC_Os03g11230	Os03g0210700	expressed protein
LOC_Os03g11310	Os03g0211600	PPR repeat domain containing protein, putative, expressed
LOC_Os03g11330	Os03g0211800	glycosyl transferase 8 domain containing protein, putative, expressed
LOC_Os03g11335	Os03g0211850	expressed protein
LOC_Os03g11410	Os03g0212700	mitochondrial-processing peptidase subunit, mitochondrial precursor, putative, expressed
	Os03g0213600,	
LOC_Os03g11490	Os03g0213750	expressed protein
LOC_Os03g12730	Os03g0228800	receptor protein kinase CLAVATA1 precursor, putative, expressed
LOC_Os03g12790	Os03g0229500	MATE efflux family protein, putative, expressed
LOC_Os03g13070	Os03g0233200	thaumatin family domain containing protein, expressed

LOC_Os03g13300	Os03g0236200	glutamate decarboxylase, putative, expressed
LOC_Os03g13320	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g13560	Os03g0238800	hydroxyproline-rich glycoprotein family protein, putative, expressed
LOC_Os03g13690	Os03g0239933	expressed protein
LOC_Os03g13720	Os03g0240400	expressed protein
LOC_Os03g13790	Os03g0241100	myb/SANT domain protein, putative, expressed
LOC_Os03g13800	Os03g0241200	ribosomal protein L7Ae, putative, expressed
LOC_Os03g13810	Os03g0241300	expressed protein
LOC_Os03g13870	Os03g0242300	expressed protein
LOC_Os03g14030	Os03g0243900	thaumatin, putative, expressed
LOC_Os03g14040	Os03g0244000	expressed protein
LOC_Os03g14090	Os03g0244700	armadillo/beta-catenin repeat family protein, putative, expressed
LOC_Os03g14140	Os03g0245300	POEI16 - Pollen Ole e I allergen and extensin family protein precursor, expressed
LOC_Os03g14250	Os03g0246500	plant protein of unknown function DUF869 domain containing protein, expressed
LOC_Os03g14254	None	expressed protein
LOC_Os03g14258	None	expressed protein
LOC_Os03g14290	Os03g0247100	expressed protein
LOC_Os03g14400	Os03g0248200	cytochrome P450, putative, expressed
LOC_Os03g14430	None	expressed protein
LOC_Os03g14450	Os03g0248600	enolase, putative, expressed
LOC_Os03g14500	Os03g0249100	expressed protein
LOC_Os03g14510	Os03g0249200	immature colon carcinoma transcript 1 protein precursor, putative, expressed
LOC_Os03g14530	Os03g0249400	S10/S20 domain containing ribosomal protein, putative, expressed
LOC_Os03g14540	Os03g0249500	UDP-glucuronate 4-epimerase, putative, expressed
LOC_Os03g14580	Os03g0249900	expressed protein
LOC_Os03g14590	Os03g0250000	calcium-binding EF hand family protein, putative, expressed
LOC_Os03g14610	Os03g0250200	HVA22, putative, expressed
LOC_Os03g14615	Os03g0250301	LTPL117 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os03g14630	Os03g0250400	LTPL106 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os03g14690	Os03g0251500	vacuolar ATP synthase 98 kDa subunit, putative, expressed

LOC_Os03g14700	Os03g0251600	C2 domain containing protein, expressed
LOC_Os03g14710	Os03g0251700	protein kinase, putative, expressed
LOC_Os03g14800	Os03g0252800	serine palmitoyltransferase 1, putative, expressed
LOC_Os03g14910	Os03g0254200	expressed protein
LOC_Os03g14980	Os03g0254700	lisencephaly type-1-like homology motif, putative, expressed
LOC_Os03g15110	None	expressed protein
LOC_Os03g15130	None	expressed protein
LOC_Os03g15250	Os03g0258000	lectin-like receptor kinase, putative, expressed
LOC_Os03g15260	None	expressed protein
LOC_Os03g16430	Os03g0271100	RNA polymerase sigma factor, putative, expressed
LOC_Os03g16760	Os03g0275100	protein phosphatase 2C, putative, expressed
LOC_Os03g17210	Os03g0280700	expressed protein
LOC_Os03g17240	Os03g0281000	ankyrin repeat-containing protein, putative, expressed
LOC_Os03g17260	Os03g0281201	expressed protein
LOC_Os03g17270	Os03g0281300	expressed protein
LOC_Os03g17330	Os03g0281700	expressed protein
LOC_Os03g17340	Os03g0281800	expressed protein
LOC_Os03g17359	None	expressed protein
LOC_Os03g17380	None	expressed protein
	Os03g0282232,	
LOC_Os03g17410	Os03g0282300	
LOC_Os03g17432	Os03g0282700	pre-mRNA-splicing factor ATP-dependent RNA helicase DHX16, putative, expressed
LOC_Os03g17450	Os03g0282900	nucleotide binding protein, putative, expressed
LOC_Os03g17490	Os03g0283300	expressed protein
LOC_Os03g17500	Os03g0283400	expressed protein
LOC_Os03g17510	Os03g0283500	pentatricopeptide, putative, expressed
LOC_Os03g17520	Os03g0283600	CDP-alcohol phosphatidyltransferase, putative, expressed
LOC_Os03g17540	Os03g0283800	TBC domain containing protein, expressed
LOC_Os03g17580	Os03g0284400	ribosomal protein L10, putative, expressed
LOC_Os03g17590	Os03g0284500	cat eye syndrome critical region protein 5 precursor, putative, expressed

LOC_Os03g17634	Os03g0284900	PPR repeat domain containing protein, putative, expressed
LOC_Os03g17720	Os03g0286100	expressed protein
LOC_Os03g17780	Os03g0286800	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os03g17790	Os03g0286900	OsRCI2-5 - Putative low temperature and salt responsive protein, expressed
LOC_Os03g17800	Os03g0287100	phosphatidylinositol transfer protein alpha isoform, putative, expressed
	Os03g0287600,	
LOC_Os03g17840	Os03g0287700	expressed protein
LOC_Os03g17860	Os03g0287900	OsPDIL5-1 protein disulfide isomerase PDIL5-1, expressed
LOC_Os03g17870	Os03g0288000	metallothionein, putative, expressed
LOC_Os03g17880	Os03g0288100	expressed protein
LOC_Os03g17900	Os03g0288300	hydrolase, alpha/beta fold family protein, putative, expressed
LOC_Os03g17920	Os03g0288500	RNA pseudouridine synthase, putative, expressed
	Os03g0289100	CAMK_KIN1/SNF1/Nim1_like_AMPKh 2 - CAMK includes calcium/calmodulin
LOC_Os03g17980	Os03g0289200	dependent protein kinases, expressed
LOC_Os03g17990	Os03g0289300	Yip1 domain containing protein, expressed
LOC_Os03g18000	Os03g0289800	phosphoinositide-specific phospholipase C, putative, expressed
LOC_Os03g18030	Os03g0290100	leucoanthocyanidin dioxygenase, putative, expressed
LOC_Os03g18050	Os03g0290300	OsSAUR13 - Auxin-responsive SAUR gene family member, expressed
LOC_Os03g18070	Os03g0290900	omega-3 fatty acid desaturase, chloroplast precursor, putative, expressed
LOC_Os03g18110	Os03g0291800	proteins of unknown function domain containing protein, putative, expressed
LOC_Os03g18140	Os03g0292700	expressed protein
LOC_Os03g18170	Os03g0293600	STE_MEKK_st11_MAP3K 13 - STE kinases include homologs to sterile 7, sterile 11 and
LOC_Os03g18230	Os03g0293700	sterile 20 from yeast, expressed
LOC_Os03g18250	None	expressed protein
LOC_Os03g18330	Os03g0295300	expressed protein
LOC_Os03g18400	Os03g0295866	transcription factor like protein, putative, expressed
LOC_Os03g18470	Os03g0296200	expressed protein
LOC_Os03g18490	Os03g0297800	expressed protein
LOC_Os03g18630		RPGR, putative, expressed
		receptor-like kinase RHG1, putative, expressed

LOC_Os03g18720	Os03g0298800	RNA recognition motif containing protein, putative, expressed
LOC_Os03g18729	Os03g0299050	expressed protein
LOC_Os03g18790	Os03g0299800	SAG20, putative, expressed
LOC_Os03g18820	Os03g0300000	glycosyltransferase, putative, expressed
LOC_Os03g18940	Os03g0301400	exonuclease, putative, expressed
LOC_Os03g18950	Os03g0301500	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os03g18960	Os03g0301600	calmodulin binding protein, putative, expressed
LOC_Os03g18970	Os03g0301700	protein phosphatase protein, putative, expressed
LOC_Os03g19020	Os03g0302200	PHD-finger family protein, expressed
LOC_Os03g19059	Os03g0302700	anaphase-promoting complex subunit 11, putative, expressed
LOC_Os03g19080	Os03g0302900	expressed protein
LOC_Os03g19190	Os03g0304400	TOPBP1C - Similar to DNA replication protein TOPBP1 from, expressed
LOC_Os03g19380	Os03g0306800	calvin cycle protein CP12, putative, expressed
LOC_Os03g19660	None	conserved hypothetical protein
LOC_Os03g19840	Os03g0312300	cysteine-rich repeat secretory protein 55 precursor, putative, expressed
LOC_Os03g19860	Os03g0312500	expressed protein
LOC_Os03g19960	Os03g0314100	ATP-dependent RNA helicase, putative, expressed
LOC_Os03g20060	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g20090	Os03g0315400	MYB family transcription factor, putative, expressed
LOC_Os03g20230	Os03g0317500	aspartic proteinase nepenthesin-1 precursor, putative, expressed
LOC_Os03g20600	Os03g0322200	expressed protein
LOC_Os03g21140	Os03g0328900	RNA-binding zinc finger protein, putative, expressed
LOC_Os03g21380	Os03g0331700	OsCML27 - Calmodulin-related calcium sensor protein, expressed
LOC_Os03g21664	None	expressed protein
LOC_Os03g21730	Os03g0335500	receptor-like protein kinase precursor, putative, expressed
LOC_Os03g21780	Os03g0336000	pentatricopeptide repeat domain containing protein, putative, expressed
LOC_Os03g21830	Os03g0336500	appr-1-p processing enzyme family protein, putative, expressed
LOC_Os03g21840	Os03g0336600	reticulon domain containing protein, putative, expressed
LOC_Os03g21880	Os03g0337000	THION28 - Plant thionin family protein precursor, expressed
LOC_Os03g21950	Os03g0337900	fumarate hydratase, mitochondrial precursor, putative, expressed

LOC_Os03g21970	Os03g0338400	basic helix-loop-helix domain containing protein, expressed
LOC_Os03g21980	Os03g0338600	tRNA pseudouridine synthase family protein, putative, expressed
LOC_Os03g21990	Os03g0339100	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os03g21999	None	expressed protein
LOC_Os03g22360	Os03g0343800	expressed protein
LOC_Os03g22370	Os03g0343900	ultraviolet-B-repressible protein, putative, expressed
LOC_Os03g22470	Os03g0345300	desiccation-related protein PCC13-62 precursor, putative, expressed
LOC_Os03g22655	Os03g0348500	tubby-like F-box protein 3, putative, expressed
LOC_Os03g22690	Os03g0349000	nucleoporin interacting component, putative, expressed
LOC_Os03g22760	Os03g0350900	hypothetical protein
LOC_Os03g22770	Os03g0351100	CCT/B-box zinc finger protein, putative, expressed
LOC_Os03g22780	Os03g0351200	DVR, putative, expressed
LOC_Os03g22800	Os03g0351400	OsFBT5 - F-box and tubby domain containing protein, expressed
LOC_Os03g22820	Os03g0351700	expressed protein
LOC_Os03g22830	Os03g0351800	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os03g22950	Os03g0352800	acyl carrier protein, putative, expressed
LOC_Os03g22990	Os03g0353300	OsFBX84 - F-box domain containing protein, expressed
LOC_Os03g23020	Os03g0353500	expressed protein
LOC_Os03g23040	None	expressed protein
LOC_Os03g23060	None	transposon protein, putative, unclassified, expressed
LOC_Os03g23940	Os03g0355500	expressed protein
LOC_Os03g23950	Os03g0355600	adapitin protein, putative, expressed
LOC_Os03g23970	Os03g0355800	diphthine synthase, putative, expressed
LOC_Os03g23980	Os03g0355900	NAD dependent epimerase/dehydratase family protein, putative, expressed
LOC_Os03g24130	Os03g0356540	CXXC1 - Cysteine-rich protein with CXXC and CXXXC motifs precursor, putative, expressed
LOC_Os03g24160	Os03g0356582	phosphatidylinositol-4-phosphate 5-kinase, putative, expressed
LOC_Os03g24170	Os03g0356596	phosphatidylinositol-4-phosphate 5-kinase, putative, expressed
LOC_Os03g24184	Os03g0356652	TRAF-type zinc finger domain-containing protein 1, putative, expressed
LOC_Os03g24200	None	OsFBX85 - F-box domain containing protein, expressed

LOC_Os03g24339	Os03g0358000	WWWP domain containing protein, expressed
LOC_Os03g24380	Os03g0358100	glutathione peroxidase domain containing protein, expressed
LOC_Os03g24950	Os03g0364700	expressed protein
LOC_Os03g24960	Os03g0365000	ulp1 protease family, C-terminal catalytic domain containing protein, expressed
LOC_Os03g24970	Os03g0365100	SWIM zinc finger family protein, putative
LOC_Os03g25070	Os03g0366200	CAMK_CAMK_like 18 - CAMK includes calcium/calmodulin dependent protein kinases, expressed
LOC_Os03g25130	Os03g0366900	OB-fold nucleic acid binding domain containing protein, putative, expressed
LOC_Os03g25140	Os03g0367000	peptidyl-prolyl isomerase PASTICCINO1, putative, expressed
LOC_Os03g25270	Os03g0367900	pyrrolidone-carboxylate peptidase, putative, expressed
LOC_Os03g25480	Os03g0370900	cytochrome P450, putative, expressed
LOC_Os03g25640	Os03g0372900	OsFBX91 - F-box domain containing protein, expressed
LOC_Os03g25700	Os03g0373700	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os03g25750	Os03g0374400	SNARE associated Golgi protein, putative, expressed
LOC_Os03g25760	Os03g0374500	calmodulin-binding protein, putative, expressed
LOC_Os03g25984	None	hypothetical protein
LOC_Os03g26090	Os03g0378200	GPI-anchored wall transfer protein 1, putative, expressed
LOC_Os03g26329	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g26440	Os03g0381100	tRNA pseudouridine synthase family protein, putative, expressed
LOC_Os03g26500	None	expressed protein
LOC_Os03g26910	Os03g0386500	uncharacterized glycosyl hydrolase Rv2006/MT2062, putative, expressed
LOC_Os03g26990	Os03g0387300	VQ domain containing protein, putative, expressed
LOC_Os03g27370	Os03g0391400	phospholipase D, putative, expressed
LOC_Os03g27610	Os03g0393900	patatin, putative, expressed
LOC_Os03g27800	Os03g0395300	paramyosin, putative, expressed
LOC_Os03g29330	None	expressed protein
LOC_Os03g29710	Os03g0410500	hypothetical protein
LOC_Os03g30250	Os03g0416200, Os03g0416350	COBRA-like protein precursor, putative, expressed
LOC_Os03g30260	Os03g0416250,	COBRA-like protein precursor, putative, expressed

LOC_Os03g30290	Os03g0416300	
LOC_Os03g30810	Os03g0416400	expressed protein
LOC_Os03g30950	None	retrotransposon protein, putative, unclassified, expressed
	Os03g0423300	acyl-desaturase, chloroplast precursor, putative, expressed
LOC_Os03g31594	Os03g0430100,	jmjC domain containing protein, expressed
	Os03g0430400	
LOC_Os03g31690	Os03g0431200	GCN5-related N-acetyltransferase, putative, expressed
LOC_Os03g32526	Os03g0440200	tRNA-splicing endonuclease positive effector-related, putative, expressed
LOC_Os03g33070	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os03g34030	None	hypothetical protein
LOC_Os03g35490	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os03g35600	Os03g0556600	serine/threonine-protein kinase receptor precursor, putative, expressed
LOC_Os03g36830	Os03g0565900	expressed protein
LOC_Os03g37170	None	expressed protein
LOC_Os03g37960	Os03g0576600	acyl CoA binding protein, putative, expressed
LOC_Os03g37970	Os03g0576700	ribosomal protein L13, putative, expressed
LOC_Os03g38000	Os03g0577000	40S ribosomal protein S3-1, putative, expressed
LOC_Os03g38010	Os03g0577100	nuf2 family protein, expressed
LOC_Os03g38804	Os03g0584500	expressed protein
LOC_Os03g39150	Os03g0588400	protein kinase domain containing protein, expressed
LOC_Os03g39660	Os03g0593800	expressed protein
LOC_Os03g40180	Os03g0598800	60S ribosomal protein L15, putative, expressed
LOC_Os03g40710	None	ZOS3-13 - C2H2 zinc finger protein, expressed
LOC_Os03g40930	Os03g0606100	expressed protein
LOC_Os03g40950	None	expressed protein
LOC_Os03g41300	Os03g0609200	expressed protein
LOC_Os03g41339	None	expressed protein
LOC_Os03g41380	Os03g0610200	expressed protein
	Os03g0610650,	
LOC_Os03g41419	Os03g0610700	serpin domain containing protein, putative, expressed

LOC_Os03g41530	Os03g0611700	single-stranded DNA-binding protein, putative, expressed
LOC_Os03g41570	None	transposon protein, putative, unclassified, expressed
LOC_Os03g41580	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os03g41675	Os03g0613100	expressed protein
LOC_Os03g41740	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g41870	None	nucleic acid binding protein, putative
LOC_Os03g42010	Os03g0616300	DNA-directed polymerase, putative, expressed
LOC_Os03g42220	Os03g0619400	T-complex protein, putative, expressed
LOC_Os03g42235	Os03g0619700	expressed protein
LOC_Os03g42400	Os03g0621900	expressed protein
LOC_Os03g42420	Os03g0622100	B3 DNA binding domain containing protein, expressed
LOC_Os03g42440	Os03g0622300	expressed protein
LOC_Os03g42820	Os03g0626600	LIM domain-containing protein, putative, expressed
LOC_Os03g42930	None	expressed protein
LOC_Os03g43340	Os03g0632600	expressed protein
LOC_Os03g44230	Os03g0644400	transmembrane amino acid transporter protein, putative, expressed
LOC_Os03g44310	Os03g0645200	initiation factor 2 subunit family domain containing protein, expressed
LOC_Os03g44380	Os03g0645900	9-cis-epoxycarotenoid dioxygenase 1, chloroplast precursor, putative, expressed
LOC_Os03g44440	Os03g0646300	cyclic nucleotide-gated ion channel, putative, expressed
LOC_Os03g45230	Os03g0654900	expressed protein
LOC_Os03g45700	None	retrotransposon protein, putative, unclassified
LOC_Os03g45710	Os03g0659200, Os03g0659233	2Fe-2S iron-sulfur cluster binding domain containing protein, expressed
LOC_Os03g46940	Os03g0672600	expressed protein
LOC_Os03g47016	Os03g0673000	homeobox protein knotted-1-like 10, putative, expressed
LOC_Os03g47140	Os03g0674700	growth regulating factor protein, putative, expressed
LOC_Os03g47480	None	hypothetical protein
LOC_Os03g48480	Os03g0691400	thioesterase family protein, putative, expressed
LOC_Os03g48626	Os03g0692700	expressed protein
LOC_Os03g48750	Os03g0693700	Cupin domain containing protein, expressed

LOC_Os03g48870	Os03g0695000	expressed protein
LOC_Os03g48880	Os03g0695100	receptor protein kinase TMK1 precursor, putative, expressed
LOC_Os03g49350	Os03g0700400	lipoxygenase protein, putative, expressed
LOC_Os03g49464	Os03g0701400	tetratricopeptide-like helical, putative, expressed
LOC_Os03g49480	Os03g0701500	elongation of fatty acids protein 2, putative, expressed
LOC_Os03g49510	Os03g0701800	phosphatidylinositol-4-phosphate 5-kinase, putative, expressed
	Os03g0704967,	
LOC_Os03g49790	Os03g0705033	pattern formation protein EMB30, putative, expressed
LOC_Os03g49860	None	expressed protein
LOC_Os03g50190	Os03g0709766	expressed protein
LOC_Os03g52290	Os03g0733266	DUF617 domain containing protein, expressed
LOC_Os03g52340	Os03g0733800	endoplasmic oxidoreductin-1 precursor, putative, expressed
LOC_Os03g52475	Os03g0735200	pentatricopeptide, putative, expressed
LOC_Os03g52560	Os03g0735800	glycosyl hydrolases, putative, expressed
LOC_Os03g52640	Os03g0736400	expressed protein
LOC_Os03g54130	Os03g0752500	cysteine protease 1 precursor, putative, expressed
LOC_Os03g54790	Os03g0755100	ABC transporter, ATP-binding protein, putative, expressed
LOC_Os03g55010	Os03g0757000	UDP-glucuronosyl and UDP-glucosyl transferase domain containing protein, expressed
LOC_Os03g55140	Os03g0758700	transducin family protein, putative, expressed
LOC_Os03g55210	Os03g0759600	TKL_IRAK_CrRLK1L-1
LOC_Os03g55360	Os03g0761700	heat shock protein DnaJ, putative, expressed
LOC_Os03g55380	Os03g0761900	oxidoreductase, putative, expressed
LOC_Os03g55600	Os03g0764800	CAMK_CAMK_like
LOC_Os03g55940	None	expressed protein
	Os03g0769400	H-BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence, expressed
LOC_Os03g55950	None	expressed protein
LOC_Os03g56030	Os03g0771400	expressed protein
LOC_Os03g56100	None	expressed protein
LOC_Os03g56170	Os03g0772700	legume lectins beta domain containing protein, expressed

LOC_Os03g56260	Os03g0773600	kinesin motor domain containing protein, putative, expressed
LOC_Os03g56270	Os03g0773700	receptor protein kinase CLAVATA1 precursor, putative, expressed
LOC_Os03g56380	Os03g0775200	methyltransferase, putative, expressed
LOC_Os03g56390	Os03g0775300	tRNA wybutosine-synthesizing protein 1, putative, expressed
LOC_Os03g56930	Os03g0782200	app1, putative, expressed
LOC_Os03g56950	Os03g0782500	phytochrome-interacting factor 4, putative, expressed
LOC_Os03g57020	None	expressed protein
LOC_Os03g57050	Os03g0783800	expressed protein
LOC_Os03g57060	Os03g0783901	expressed protein
LOC_Os03g57130	Os03g0784800	expressed protein
LOC_Os03g57160	Os03g0785300	zinc ion binding protein, putative, expressed
LOC_Os03g57270	Os03g0786600	ubiquitin carboxyl-terminal hydrolase, family 1, putative, expressed
LOC_Os03g57360	Os03g0787800	expressed protein
LOC_Os03g57390	None	hypothetical protein
LOC_Os03g57510	Os03g0789000	CAMK_CAMK_like
LOC_Os03g57854	Os03g0792500	MBTB3 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Meprin and TRAF Homology MATH domain, expressed
LOC_Os03g58110	Os03g0795300	uncharacterized protein At4g06744 precursor, putative, expressed
LOC_Os03g59930	None	retrotransposon, putative, centromere-specific, expressed
LOC_Os03g60500	None	expressed protein
LOC_Os03g60740	Os03g0822200	expressed protein
LOC_Os03g61290	Os03g0828600	ATCHX, putative, expressed
LOC_Os03g62070	Os03g0836900	hydrolase, putative, expressed
LOC_Os03g62230	Os03g0838800	ZOS3-24 - C2H2 zinc finger protein, expressed
LOC_Os03g62820	Os03g0845200	expressed protein
LOC_Os03g63999	Os03g0857000	expressed protein
LOC_Os03g64190	Os03g0859300	la domain containing protein, putative, expressed
LOC_Os03g64219	Os03g0859800	OTU-like cysteine protease family protein, putative, expressed
LOC_Os03g64230	Os03g0859900	expressed protein
LOC_Os03g64320	Os03g0861100	expressed protein

LOC_Os03g64340	Os03g0861400	heavy metal-associated domain containing protein, expressed
LOC_Os03g64350	Os03g0861700	rhodanese-like domain containing protein, putative, expressed
LOC_Os03g64360	Os03g0861800	OsFBX113 - F-box domain containing protein, expressed
LOC_Os03g64370	Os03g0861900	pentatricopeptide, putative, expressed
LOC_Os04g01130	Os04g0101300	chromatin modification-related protein EAF3, putative, expressed
LOC_Os04g01140	Os04g0101400	cytochrome P450 93A2, putative, expressed
LOC_Os04g01160	Os04g0101800	zinc finger family protein, putative, expressed
LOC_Os04g01170	None	expressed protein
LOC_Os04g01180	None	retrotransposon protein, putative, LINE subclass, expressed
LOC_Os04g01380	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os04g01660	Os04g0107300	erythronate-4-phosphate dehydrogenase domain containing protein, expressed
LOC_Os04g01780	Os04g0108300	uncharacterized ACR, COG1399 family protein, expressed
LOC_Os04g01990	Os04g0110500	pentatricopeptide domain containing protein, putative, expressed
LOC_Os04g02100	None	expressed protein
LOC_Os04g02580	Os04g0116200	expressed protein
LOC_Os04g02640	Os04g0116800	3-ketoacyl-CoA synthase 6, putative, expressed
LOC_Os04g02660	Os04g0117000	retrotransposon protein, putative, unclassified
LOC_Os04g02730	Os04g0117600	tRNA-dihydrouridine synthase 3-like, putative, expressed
LOC_Os04g02860	Os04g0118800	disease resistance protein RPM1, putative, expressed
LOC_Os04g02900	Os04g0119400	dehydrogenase E1 component domain containing protein, expressed
LOC_Os04g02920	Os04g0119800	leucine-rich repeat family protein, putative, expressed
LOC_Os04g03370	Os04g0123700,	cysteine-rich receptor-like protein kinase 41 precursor, putative, expressed
	Os04g0123750	
LOC_Os04g03380	Os04g0123800	legume lectins beta domain containing protein, putative, expressed
LOC_Os04g03579	Os04g0125700	protein kinase, putative, expressed
LOC_Os04g03796	Os04g0127100,	
	Os04g0127200	OsSub37 - Putative Subtilisin homologue, expressed
LOC_Os04g03860	Os04g0127800	expressed protein
LOC_Os04g03884	Os04g0128300	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os04g03910	None	expressed protein

LOC_Os04g04000	Os04g0129300	ECT protein, putative, expressed
LOC_Os04g04240	Os04g0131850	sterol 3-beta-glucosyltransferase, putative, expressed
LOC_Os04g04310	Os04g0132250	hypothetical protein
LOC_Os04g04320	Os04g0132300	expressed protein
LOC_Os04g04650	None	hypothetical protein
LOC_Os04g04660	None	expressed protein
LOC_Os04g04680	None	expressed protein
LOC_Os04g04750	Os04g0134800	peroxidase precursor, putative, expressed
LOC_Os04g04970	None	expressed protein
LOC_Os04g05010	Os04g0136700	CBS domain containing membrane protein, putative, expressed
LOC_Os04g05030	Os04g0136900	serine-rich 25 kDa antigen protein, putative, expressed
LOC_Os04g05070	Os04g0137450	expressed protein
LOC_Os04g06770	Os04g0151800	argonaute, putative, expressed
LOC_Os04g06790	Os04g0151900	2-aminoethanethiol dioxygenase, putative, expressed
LOC_Os04g07450	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g08180	Os04g0163700	expressed protein
LOC_Os04g08310	Os04g0165300	expressed protein
LOC_Os04g08320	Os04g0165400	YIF1B, putative, expressed
LOC_Os04g08330	Os04g0165500	expressed protein
LOC_Os04g08350	Os04g0165700	cysteine synthase, chloroplast/chromoplast precursor, putative, expressed
LOC_Os04g08400	Os04g0166100	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g09380	None	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os04g09420	None	hypothetical protein
LOC_Os04g09920	Os04g0178400	cytochrome P450, putative, expressed
LOC_Os04g10150	Os04g0180300	expressed protein
LOC_Os04g10180	None	expressed protein
LOC_Os04g10214	Os04g0180900	expressed protein
LOC_Os04g10219	None	expressed protein
LOC_Os04g10230	None	expressed protein
LOC_Os04g10240	Os04g0181100	nicotiana lesion-inducing like, putative, expressed

LOC_Os04g10260	Os04g0181300	basic region leucine zipper domain containing protein, expressed
LOC_Os04g10290	None	expressed protein
	Os04g0182600,	
	Os04g0182650,	
LOC_Os04g10380	Os04g0182701	glycine-rich protein, putative, expressed
	Os04g0182875,	
LOC_Os04g10410	Os04g0182900	amidase, putative, expressed
LOC_Os04g11165	Os04g0189800	gamma-thionin family domain containing protein, expressed
LOC_Os04g11195	None	gamma-thionin family domain containing protein, expressed
LOC_Os04g11270	None	expressed protein
LOC_Os04g11390	Os04g0191400	expressed protein
LOC_Os04g11820	Os04g0194500	white-brown complex homolog protein, putative, expressed
LOC_Os04g11880	Os04g0195000	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os04g11890	Os04g0195100	OsFBX121 - F-box domain containing protein, expressed
LOC_Os04g12190	None	hAT dimerisation domain-containing protein, putative, expressed
LOC_Os04g12370	None	expressed protein
	Os04g0201500,	
LOC_Os04g12499	Os04g0201800	amino acid transporter protein, putative, expressed
LOC_Os04g12540	Os04g0201900	receptor-like protein kinase, putative, expressed
LOC_Os04g13130	None	hypothetical protein
LOC_Os04g13160	Os04g0208500	OsFBD9 - F-box and FBD domain containing protein, expressed
LOC_Os04g13190	Os04g0208900	expressed protein
LOC_Os04g13200	None	expressed protein
LOC_Os04g13220	Os04g0209300	ABC transporter family protein, putative, expressed
LOC_Os04g13470	Os04g0212200	expressed protein
LOC_Os04g13500	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g14110	Os04g0217900	TRAF-type zinc finger family protein, expressed
LOC_Os04g14130	Os04g0218100	pentatricopeptide, putative, expressed
LOC_Os04g14350	Os04g0220650	expressed protein
LOC_Os04g14450	Os04g0221300	pentatricopeptide, putative, expressed

LOC_Os04g14510	Os04g0221600	expressed protein
LOC_Os04g14654	Os04g0223000	Sec1 family transport protein, putative, expressed
LOC_Os04g14740	None	expressed protein
	Os04g0224900,	
LOC_Os04g14790	Os04g0225001	FAD dependent oxidoreductase domain containing protein, expressed
LOC_Os04g15000	None	expressed protein
LOC_Os04g15600	None	receptor kinase, putative, expressed
LOC_Os04g15630	Os04g0226800	xa21, putative, expressed
LOC_Os04g15790	Os04g0228000	eukaryotic aspartyl protease domain containing protein, expressed
LOC_Os04g15800	Os04g0228100	expressed protein
LOC_Os04g16160	Os04g0231400	expressed protein
LOC_Os04g16270	None	nucleic acid binding protein, putative, expressed
LOC_Os04g16742	None	NADPH-dependent oxidoreductase, putative, expressed
LOC_Os04g16772	None	chloroplast 30S ribosomal protein S19, putative
LOC_Os04g16792	None	uncharacterized protein ycf76, putative
LOC_Os04g16794	None	hypothetical protein
LOC_Os04g17080	None	transposon protein, putative, unclassified
LOC_Os04g17150	None	hypothetical protein
LOC_Os04g18010	Os04g0252200	cleavage and polyadenylation specificity factor subunit 1, putative, expressed
LOC_Os04g19470	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os04g19500	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g19580	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g19630	None	expressed protein
LOC_Os04g19670	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os04g19750	None	OsFBL11 - F-box domain and LRR containing protein, expressed
LOC_Os04g19810	Os04g0267775	OsFBL12 - F-box domain and LRR containing protein, expressed
LOC_Os04g19920	Os04g0268600	OsFBL13 - F-box domain and LRR containing protein, expressed
LOC_Os04g20164	Os04g0269600	amine oxidase precursor, putative, expressed
LOC_Os04g20230	Os04g0270200	neighbor of COX4, putative, expressed
LOC_Os04g20424	Os04g0272500	neural Wiskott-Aldrich syndrome protein, putative, expressed

LOC_Os04g20890	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g20960	Os04g0278200	expressed protein
LOC_Os04g21020	None	expressed protein
LOC_Os04g21130	Os04g0280500	F-box protein PP2-B1, putative, expressed
LOC_Os04g21160	Os04g0280600	triacylglycerol lipase 1 precursor, putative, expressed
LOC_Os04g21320	Os04g0281900	membrane associated DUF588 domain containing protein, putative, expressed
LOC_Os04g21340	Os04g0282200	expressed protein
LOC_Os04g21360	None	expressed protein
LOC_Os04g21370	None	expressed protein
LOC_Os04g22820	None	expressed protein
LOC_Os04g23180	Os04g0298200	cation efflux family protein, putative, expressed
LOC_Os04g23190	None	retrotransposon protein, putative, unclassified, expressed
	Os04g0298400,	
LOC_Os04g23200	Os04g0298501	expressed protein
LOC_Os04g23210	Os04g0298600	expressed protein
LOC_Os04g23440	Os04g0300600	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os04g24190	Os04g0307300	growth-regulating factor 11, putative, expressed
LOC_Os04g25280	Os04g0318600	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g25790	None	expressed protein
LOC_Os04g26470	None	hypothetical protein
LOC_Os04g26870	Os04g0337500	oxidoreductase, aldo/keto reductase family protein, putative, expressed
LOC_Os04g28630	None	hypothetical protein
LOC_Os04g29100	None	hypothetical protein
	Os04g0372400,	
LOC_Os04g30410	Os04g0372550	expressed protein
LOC_Os04g30570	Os04g0374400	transferase family protein, putative, expressed
LOC_Os04g31210	Os04g0381100	bile acid sodium symporter family protein, putative, expressed
LOC_Os04g31230	None	expressed protein
LOC_Os04g31260	None	hypothetical protein
LOC_Os04g31320	Os04g0382100	SWIB/MDM2 domain containing protein, expressed

LOC_Os04g31390	Os04g0382700	vacuolar protein sorting-associated protein 11, putative, expressed
LOC_Os04g31580	Os04g0385100	OsFBX131 - F-box domain containing protein, expressed
LOC_Os04g31610	Os04g0385600	OsFBO3 - F-box and other domain containing protein, expressed
LOC_Os04g31620	Os04g0385700	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g32000	Os04g0389600	expressed protein
LOC_Os04g32690	Os04g0398800	expressed protein
LOC_Os04g33280	Os04g0405600	expressed protein
LOC_Os04g33370	Os04g0407900	cytochrome P450, putative, expressed
LOC_Os04g33380	Os04g0408200	expressed protein
LOC_Os04g33520	Os04g0410400	RCLEA6 - Root cap and Late embryogenesis related family protein precursor, expressed
LOC_Os04g33530	Os04g0410600	Ser/Thr protein phosphatase family protein, putative, expressed
LOC_Os04g33550	Os04g0411000	expressed protein
LOC_Os04g33590	Os04g0411800	hydrolase, alpha/beta fold family protein, putative, expressed
LOC_Os04g33610	Os04g0412100	expressed protein
LOC_Os04g33690	Os04g0412900	sec23/Sec24 trunk domain containing protein, expressed
LOC_Os04g33720	Os04g0413200	glycosyl hydrolases, putative, expressed
LOC_Os04g33760	Os04g0413900	DUF584 domain containing protein, putative, expressed
	Os04g0414300,	
LOC_Os04g33810	Os04g0414400	RNA recognition motif containing protein, putative, expressed
LOC_Os04g33880	Os04g0415200	HVA22, putative, expressed
LOC_Os04g33885	Os04g0415401	expressed protein
LOC_Os04g33890	None	expressed protein
LOC_Os04g33920	Os04g0415800	LTPL102 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os04g34360	None	serine/threonine-protein kinase receptor precursor, putative, expressed
LOC_Os04g34699	None	expressed protein
LOC_Os04g34720	Os04g0425100	PHD-finger domain containing protein, putative, expressed
LOC_Os04g35620	Os04g0436400	expressed protein
LOC_Os04g36040	Os04g0441800	peptide transporter PTR2, putative, expressed
LOC_Os04g37430	Os04g0447100	lipoxygenase protein, putative, expressed
LOC_Os04g38060	Os04g0453700	retrotransposon protein, putative, unclassified, expressed

LOC_Os04g38610	Os04g0459600	RAN guanine nucleotide release factor, putative, expressed
LOC_Os04g38885	Os04g0462800	expressed protein
LOC_Os04g38990	Os04g0463900	expressed protein
LOC_Os04g39530	Os04g0471100	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os04g40190	Os04g0478000	circumsporozoite protein, putative, expressed
LOC_Os04g40600	Os04g0482000	peptide methionine sulfoxide reductase, putative, expressed
LOC_Os04g40950	Os04g0486600	glyceraldehyde-3-phosphate dehydrogenase, putative, expressed
LOC_Os04g41010	None	expressed protein
LOC_Os04g41980	Os04g0497300	ATOZI1, putative, expressed
LOC_Os04g41990	Os04g0497350	autophagy-related protein 10, putative, expressed
LOC_Os04g42030	Os04g0497900	expressed protein
LOC_Os04g42100	Os04g0498700	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g42130	Os04g0499100	integral membrane transporter family protein, putative, expressed
LOC_Os04g42134	Os04g0499200	enhancer of rudimentary protein, putative, expressed
LOC_Os04g42140	Os04g0499300	eukaryotic initiation factor iso-4F subunit p82-34, putative, expressed
LOC_Os04g42150	None	hypothetical protein
LOC_Os04g42320	Os04g0501600	AT hook motif family protein, expressed
LOC_Os04g42340	Os04g0501800	expressed protein
LOC_Os04g42350	Os04g0502000	heavy metal-associated domain containing protein, expressed
LOC_Os04g42360	Os04g0502100	expressed protein
LOC_Os04g42370	Os04g0502200	expressed protein
LOC_Os04g43770	Os04g0518200	expressed protein
LOC_Os04g43840	Os04g0518800	possible lysine decarboxylase domain containing protein, expressed
LOC_Os04g43880	Os04g0519300	expressed protein
LOC_Os04g44020	Os04g0520800	expressed protein
LOC_Os04g44050	None	expressed protein
LOC_Os04g44070	Os04g0521300	expressed protein
LOC_Os04g44090	Os04g0521600	expressed protein
LOC_Os04g44110	Os04g0521800	hydrolase, putative, expressed
LOC_Os04g44120	None	collagen triple helix repeat, putative, expressed

LOC_Os04g44130	Os04g0522100	DEF12 - Defensin and Defensin-like DEFL family, expressed
LOC_Os04g44160	None	hypothetical protein
LOC_Os04g44600	Os04g0528200	CRP1 - Cysteine-rich family protein precursor, expressed
LOC_Os04g44610	Os04g0528300	white-brown complex homolog protein 11, putative, expressed
LOC_Os04g44700	Os04g0529400	WD-40 repeat family protein, putative, expressed
LOC_Os04g44710	Os04g0529500	double-stranded RNA binding motif containing protein, expressed
LOC_Os04g44730	Os04g0529600	lanC-like protein 2, putative, expressed
LOC_Os04g44740	Os04g0529700	glycosyltransferase sugar-binding region containing DXD motif, putative, expressed
LOC_Os04g44880	Os04g0531200	expressed protein
LOC_Os04g44890	Os04g0531300	tRNA-dihydrouridine synthase, putative, expressed
LOC_Os04g44920	Os04g0531700	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed
LOC_Os04g44924	Os04g0531750	short-chain dehydrogenase/reductase, putative, expressed
LOC_Os04g44940	None	hypothetical protein
LOC_Os04g45070	Os04g0533300	remorin, putative, expressed
LOC_Os04g45080	None	expressed protein
LOC_Os04g45110	Os04g0533700	serpin domain containing protein, putative, expressed
LOC_Os04g45360	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g45490	Os04g0538100, Os04g0538166	elongation factor, putative, expressed
LOC_Os04g45500	None	expressed protein
LOC_Os04g45510	Os04g0538300	expressed protein
LOC_Os04g45590	Os04g0538900	glyoxalase family protein, putative, expressed
LOC_Os04g45730	Os04g0540900	protein kinase domain containing protein, expressed
LOC_Os04g45800	Os04g0541500	diacylglycerol kinase, putative, expressed
LOC_Os04g45821	Os04g0541900	expressed protein
LOC_Os04g45870	None	expressed protein
LOC_Os04g45910	Os04g0542900, Os04g0543033	placental protein 11 precursor, putative, expressed
LOC_Os04g46030	None	expressed protein

LOC_Os04g46040	None	hypothetical protein
LOC_Os04g46120	Os04g0545400	plastocyanin-like domain containing protein, putative, expressed
LOC_Os04g46430	None	expressed protein
LOC_Os04g47420	Os04g0562100	transmembrane amino acid transporter protein, putative, expressed
LOC_Os04g47555	Os04g0563350	expressed protein
LOC_Os04g47610	None	hypothetical protein
LOC_Os04g49160	Os04g0580800	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os04g49990	Os04g0589900	AT hook motif domain containing protein, expressed
LOC_Os04g51440	Os04g0604000	villin protein, putative, expressed
LOC_Os04g51794	Os04g0607100	DNA binding protein, putative, expressed
LOC_Os04g51910	Os04g0608500	proteasome/cyclosome repeat containing protein, expressed
LOC_Os04g51980	Os04g0609300	transferase family domain containing protein, expressed
LOC_Os04g52020	Os04g0609700	PHD-finger domain containing protein, putative, expressed
LOC_Os04g52140	Os04g0610900	protein kinase domain containing protein, expressed
LOC_Os04g52361	Os04g0613600	ribosomal protein S17, putative, expressed
LOC_Os04g52690	Os04g0617600	AAA family ATPase, putative, expressed
LOC_Os04g52810	Os04g0619000	no apical meristem protein, putative, expressed
LOC_Os04g52830	Os04g0619300	OsFBK15 - F-box domain and kelch repeat containing protein, expressed
LOC_Os04g53030	Os04g0621500	NBS-LRR disease resistance protein, putative, expressed
LOC_Os04g53200	Os04g0623400	exonuclease, putative, expressed
LOC_Os04g53400	Os04g0625500	MBTB6 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Meprin and TRAF Homology MATH domain, expressed
LOC_Os04g53496	Os04g0626450, Os04g0626500	NBS-LRR disease resistance protein, putative, expressed
LOC_Os04g53540	Os04g0627000	homeobox and START domains containing protein, putative, expressed
LOC_Os04g53720	Os04g0629300	SNF2 family N-terminal domain containing protein, expressed
LOC_Os04g54180	Os04g0634400	serine/threonine-protein kinase receptor precursor, putative, expressed
LOC_Os04g54200	Os04g0634700	diacylglycerol kinase, putative, expressed
LOC_Os04g54474	Os04g0637000	transcription factor, putative, expressed
LOC_Os04g54820	Os04g0640800	programmed cell death 2 C-terminal domain-containing protein, putative, expressed

LOC_Os04g54860	Os04g0641300, Os04g0641450	glutaredoxin, putative, expressed
LOC_Os04g54960	Os04g0642300	expressed protein
LOC_Os04g55060	Os04g0643300	3-oxoacyl-synthase III, chloroplast precursor, putative, expressed
LOC_Os04g55180	Os04g0644600	hydrolase, alpha/beta fold family domain containing protein, expressed
LOC_Os04g55360	Os04g0647300	ubiquitin carboxyl-terminal hydrolase domain containing protein, expressed
LOC_Os04g55370	Os04g0647425	plant protein of unknown function domain containing protein, expressed
LOC_Os04g55510	Os04g0648800	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os04g55550	Os04g0649000	expressed protein
LOC_Os04g55570	Os04g0649200	plant protein of unknown function DUF869 domain containing protein, expressed
LOC_Os04g55879	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g55950	Os04g0653300	expressed protein
LOC_Os04g55970	Os04g0653600	AP2-like ethylene-responsive transcription factor AINTEGUMENTA, putative, expressed
LOC_Os04g56030	Os04g0654400	glycine-rich cell wall structural protein precursor, putative, expressed
LOC_Os04g56050	None	expressed protein
LOC_Os04g56480	Os04g0659900	pelota, putative, expressed
LOC_Os04g56520	Os04g0660400	alpha-1,4-glucan-protein synthase, putative, expressed
	Os04g0660500	STE_MEKK_stell1_MAP3K 1 - STE kinases include homologs to sterile 7, sterile 11 and sterile 20 from yeast, expressed
LOC_Os04g56530	Os04g0661600	expressed protein
LOC_Os04g56610	Os04g0662800	RCC2, putative, expressed
LOC_Os04g56720	Os04g0662900	repressor of RNA polymerase III transcription MAF1, putative, expressed
LOC_Os04g56730	Os04g0663500	expressed protein
LOC_Os04g56770	Os04g0663700	TLD family protein, putative, expressed
LOC_Os04g56790	Os04g0665600	Myb-like DNA-binding domain containing protein, putative, expressed
LOC_Os04g56990	Os04g0670400	OTU-like cysteine protease family protein, putative, expressed
LOC_Os04g57480	Os04g0691900	phosphatidylinositol-4-phosphate 5-Kinase, putative, expressed
LOC_Os04g59540	Os04g0692000	phosphate/phosphate translocator, putative, expressed
LOC_Os04g59550	Os04g0692500	pentatricopeptide, putative, expressed
LOC_Os04g59600	Os05g0100600	phospholipid-transporting ATPase, putative, expressed

LOC_Os05g01050	Os05g0100800	DNA-binding protein-related, putative, expressed
LOC_Os05g01080	Os05g0101100	expressed protein
LOC_Os05g01090	Os05g0101200	pex14, putative, expressed
LOC_Os05g01100	Os05g0101300	expressed protein
LOC_Os05g01110	Os05g0101400	ribosomal protein L28 protein, putative, expressed
LOC_Os05g01120	Os05g0101600	cytochrome P450, putative, expressed
LOC_Os05g01230	Os05g0102600	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os05g01240	Os05g0102800	AML1, putative, expressed
LOC_Os05g01256	Os05g0103000	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os05g01270	Os05g0103200	peptidyl-prolyl cis-trans isomerase, putative, expressed
LOC_Os05g01360	Os05g0104100	expressed protein
	Os05g0105000,	
LOC_Os05g01470	Os05g0105050	methionine S-methyltransferase, putative, expressed
LOC_Os05g01500	Os05g0105300	tubulin-specific chaperone E, putative, expressed
LOC_Os05g01530	Os05g0105800	expressed protein
LOC_Os05g01540	Os05g0105900	serine/arginine repetitive matrix protein 1, putative, expressed
LOC_Os05g01590	Os05g0106500	heat shock protein DnaJ, putative, expressed
LOC_Os05g01620	Os05g0106800	OsFBX155 - F-box domain containing protein, expressed
	Os05g0107900,	
LOC_Os05g01730	Os05g0108050	drought induced 19 protein, putative, expressed
LOC_Os05g01750	Os05g0108000	TruB family pseudouridylate synthase, putative, expressed
LOC_Os05g01780	Os05g0108300	STE_PAK_Ste20++TranslationKinase_Slob_Wnk
LOC_Os05g01790	Os05g0108400	expressed protein
LOC_Os05g01820	Os05g0108800	cytochrome b5-like Heme/Steroid binding domain containing protein, expressed
LOC_Os05g01830	Os05g0109100	expressed protein
LOC_Os05g01840	None	hypothetical protein
LOC_Os05g01890	None	expressed protein
LOC_Os05g01920	None	inhibitor I family protein, putative, expressed
LOC_Os05g01990	Os05g0110500	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os05g02010	Os05g0110800	expressed protein

LOC_Os05g02030	Os05g0110950	OB-fold nucleic acid binding domain containing protein, putative, expressed
LOC_Os05g02060	Os05g0111200	mitochondrial import inner membrane translocase subunit Tim17, putative, expressed
LOC_Os05g02100	Os05g0111700	expressed protein
LOC_Os05g02200	Os05g0112800	cysteine-rich repeat secretory protein 55 precursor, putative, expressed
LOC_Os05g02210	Os05g0112900	pentatricopeptide, putative, expressed
LOC_Os05g02220	Os05g0113000	ACT domain containing protein, expressed
LOC_Os05g02230	Os05g0113100	expressed protein
LOC_Os05g02360	None	hypothetical protein
LOC_Os05g02700	None	expressed protein
LOC_Os05g02940	Os05g0120700	calcium-transporting ATPase 2, endoplasmic reticulum-type, putative, expressed
LOC_Os05g03820	Os05g0129000	glutamate--cysteine ligase, chloroplast precursor, putative, expressed
LOC_Os05g04100	None	expressed protein
LOC_Os05g04160	Os05g0132000	pentatricopeptide containing protein, putative, expressed
LOC_Os05g04170	Os05g0132100	AMP-binding enzyme, putative, expressed
LOC_Os05g04215	Os05g0132800	expressed protein
LOC_Os05g04220	Os05g0133100	nitrogen regulatory protein P-II, putative, expressed
LOC_Os05g04250	None	expressed protein
LOC_Os05g04260	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g04370	Os05g0134300	expressed protein
LOC_Os05g04530	Os05g0135900	IF, putative, expressed
LOC_Os05g04540	Os05g0136100	expressed protein
LOC_Os05g04680	Os05g0138000	expressed protein
LOC_Os05g04740	Os05g0139100	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os05g04760	None	expressed protein
LOC_Os05g04840	Os05g0140400	expressed protein
LOC_Os05g04860	Os05g0140600	agenet domain containing protein, putative, expressed
LOC_Os05g04870	Os05g0140800	oxidoreductase, short chain dehydrogenase/reductase family protein, putative, expressed
LOC_Os05g04890	Os05g0141000	expressed protein
LOC_Os05g04950	Os05g0141500	protein binding protein, putative, expressed
LOC_Os05g04990	Os05g0141800	adenosylmethionine decarboxylase, putative, expressed

LOC_Os05g05020	Os05g0142000	expressed protein
LOC_Os05g05040	Os05g0142200	expressed protein
LOC_Os05g05100	Os05g0142900	expressed protein
LOC_Os05g05110	Os05g0143000	expressed protein
LOC_Os05g05140	Os05g0143300	expressed protein
LOC_Os05g05150	Os05g0143400	SLD5 - Putative GINS complex subunit, expressed
LOC_Os05g05160	Os05g0143500	CGMC_MAPKCGMC_2 1 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed
LOC_Os05g05170	Os05g0143600	jacalin-like lectin domain containing protein, expressed
LOC_Os05g05200	Os05g0144000	O-acyltransferase, putative, expressed
LOC_Os05g05530	Os05g0148000	expressed protein
LOC_Os05g05860	Os05g0151000	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g06230	None	expressed protein
LOC_Os05g06490	Os05g0157100	RNA polymerase Rpb7, N-terminal domain containing protein, expressed
LOC_Os05g06830	None	hypothetical protein
LOC_Os05g06840	Os05g0160800	POLE2A - Putative DNA polymerase epsilon complex subunit, expressed
LOC_Os05g06890	Os05g0161200	relA-SpoT like protein RSH4, putative, expressed
LOC_Os05g06900	None	hypothetical protein
LOC_Os05g06990	Os05g0162500	TKL_IRAK_CrRLK1L-1 10 - The CrRLK1L-1 subfamily has homology to the CrRLK1L homolog, expressed
LOC_Os05g07000	Os05g0162600	splicing factor, arginine/serine-rich 7, putative, expressed
LOC_Os05g07010	Os05g0162800	myb-like DNA-binding domain containing protein, expressed
LOC_Os05g07050	Os05g0163200, Os05g0163250	pre-mRNA-processing-splicing factor 8, putative, expressed
LOC_Os05g07070	Os05g0163400	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os05g07090	Os05g0163700	acyl-coenzyme A dehydrogenase, mitochondrial precursor, putative, expressed
LOC_Os05g07960	Os05g0172100	F-box protein interaction domain containing protein, expressed
LOC_Os05g08340	None	expressed protein
LOC_Os05g08600	Os05g0178900	splicing factor, putative, expressed
LOC_Os05g09708	None	expressed protein

LOC_Os05g10270	None	expressed protein
LOC_Os05g10730	Os05g0196100, Os05g0196250	ABC transporter, ATP-binding protein, putative, expressed
LOC_Os05g10810	Os05g0196800	O-acyltransferase, putative, expressed
LOC_Os05g10940	Os05g0198400	metal cation transporter, putative, expressed
LOC_Os05g11820	Os05g0208600	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g11930	None	expressed protein
LOC_Os05g12180	Os05g0212500	chalcone synthase, putative, expressed
LOC_Os05g12380	Os05g0214900	expressed protein
LOC_Os05g12400	Os05g0215000	BURP domain containing protein, expressed
LOC_Os05g12420	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os05g12474	Os05g0215600	expressed protein
LOC_Os05g13480	Os05g0221800	S-adenosylmethionine decarboxylase proenzyme, putative, expressed
LOC_Os05g13530	Os05g0222300	expressed protein
LOC_Os05g13760	None	expressed protein
LOC_Os05g13900	Os05g0226900	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g13970	Os05g0228000	phosphorylase domain containing protein, putative, expressed
LOC_Os05g13980	None	hypothetical protein
LOC_Os05g14280	Os05g0232300	RNA-directed DNA polymerase, putative, expressed
LOC_Os05g14360	Os05g0233000	expressed protein
LOC_Os05g14370	Os05g0233100	WRKY82, expressed
LOC_Os05g14390	Os05g0233300	expressed protein
LOC_Os05g14540	None	hypothetical protein
LOC_Os05g14600	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g14820	Os05g0237800	transmembrane amino acid transporter protein, putative, expressed
LOC_Os05g16000	Os05g0248600	expressed protein
LOC_Os05g16140	Os05g0250000	expressed protein
LOC_Os05g16170	None	expressed protein
LOC_Os05g16315	None	translation initiation factor IF-2, putative, expressed
LOC_Os05g16360	None	expressed protein

LOC_Os05g16410	Os05g0253100	retrotransposon, putative, centromere-specific, expressed
LOC_Os05g16430	None	SHR5-receptor-like kinase, putative, expressed
LOC_Os05g16460	Os05g0253700	expressed protein
LOC_Os05g16630	Os05g0255600	thioredoxin domain-containing protein 9, putative, expressed
LOC_Os05g16660	Os05g0256000	WD domain, G-beta repeat domain containing protein, expressed
	Os05g0269200	C4-dicarboxylate transporter/malic acid transport protein domain containing protein, expressed
LOC_Os05g18670	Os05g0270200	Sad1 / UNC-like C-terminal domain containing protein, putative, expressed
LOC_Os05g18770	Os05g0270900	expressed protein
LOC_Os05g18800	None	STIGL2 - Stigma-specific Stig1 family protein precursor, putative, expressed
LOC_Os05g18860	None	hypothetical protein
LOC_Os05g18870	None	pentatricopeptide, putative, expressed
LOC_Os05g18950	Os05g0271900	expressed protein
LOC_Os05g18960	Os05g0272001	expressed protein
LOC_Os05g18970	None	expressed protein
LOC_Os05g19000	Os05g0272200	expressed protein
LOC_Os05g19970	Os05g0279400	ZOS5-06 - C2H2 zinc finger protein, expressed
LOC_Os05g20070	None	retrotransposon protein, putative, unclassified
LOC_Os05g20914	Os05g0285900	expressed protein
LOC_Os05g21240	None	expressed protein
LOC_Os05g22420	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g23250	Os05g0297800	Leucine Rich Repeat family protein, expressed
LOC_Os05g24160	Os05g0307400	double-stranded RNA binding motif containing protein, expressed
LOC_Os05g24990	None	transposon protein, putative, unclassified, expressed
LOC_Os05g25310	Os05g0317200	acyl-CoA synthetase protein, putative, expressed
LOC_Os05g25400	Os05g0318300	RNA binding protein, putative, expressed
LOC_Os05g25940	None	expressed protein
LOC_Os05g26210	Os05g0328300	ATOFP17/OFP17, putative, expressed
LOC_Os05g26240	Os05g0328333	PROLM1 - Prolamin precursor, expressed
LOC_Os05g26630	Os05g0330700	expressed protein
LOC_Os05g26680	None	retrotransposon protein, putative, unclassified, expressed

LOC_Os05g26840	Os05g0332600	permease domain containing protein, putative, expressed
LOC_Os05g27980	Os05g0346800	DUF260 domain containing protein, putative, expressed
LOC_Os05g28490	Os05g0353100	FAD-binding domain-containing protein, putative, expressed
LOC_Os05g28520	Os05g0353500	MRH1, putative, expressed
LOC_Os05g28780	Os05g0355900	GCRP10 - Glycine and cysteine rich family protein precursor, expressed
LOC_Os05g29000	Os05g0358101	expressed protein
LOC_Os05g29010	Os05g0358200	POLA4 - Putative DNA polymerase alpha complex subunit, expressed
LOC_Os05g29080	Os05g0358900	expressed protein
LOC_Os05g29676	Os05g0359833	RING-H2 finger protein, putative, expressed
LOC_Os05g29790	Os05g0361500	pectinesterase, putative, expressed
LOC_Os05g30030	Os05g0363600	expressed protein
LOC_Os05g30180	None	hypothetical protein
LOC_Os05g30240	Os05g0365500	PPR repeat domain containing protein, putative, expressed
LOC_Os05g30250	Os05g0365600	Os5bglu19 - beta-glucosidase homologue, similar to G
LOC_Os05g30340	Os05g0366300	expressed protein
LOC_Os05g31010	None	hypothetical protein
LOC_Os05g32090	None	expressed protein
LOC_Os05g33190	Os05g0400100	endo-1,3;1,4-beta-D-glucanase precursor, putative, expressed
LOC_Os05g33230	Os05g0400600	cobalt ion transporter, putative, expressed
LOC_Os05g33260	Os05g0400800	1-5-phosphoribosyl-5-5-phosphoribosylaminomethylideneaminoimidazole-4-carboxamide isomerase, chloroplast precursor, putative, expressed
LOC_Os05g33280	Os05g0401100	thylakoid lumen protein, putative, expressed
LOC_Os05g33300	Os05g0401300	tat pathway signal sequence family protein, expressed
LOC_Os05g33360	Os05g0402300	transmembrane BAX inhibitor motif-containing protein, putative, expressed
LOC_Os05g33400	Os05g0402900	basic 7S globulin precursor, putative, expressed
LOC_Os05g33514	Os05g0404300	expressed protein
LOC_Os05g33730	Os05g0407500	gibberellin receptor GID1L2, putative, expressed
LOC_Os05g33810	Os05g0408200	OsSPL9 - SBP-box gene family member, expressed
LOC_Os05g33850	Os05g0409000	UBA/TS-N domain containing protein, expressed
LOC_Os05g33860	Os05g0409100	expressed protein

LOC_Os05g34290	Os05g0415200	glutathione gamma-glutamylcysteinyltransferase 1, putative, expressed
LOC_Os05g34460	Os05g0417100	OsDegp7 - Putative Deg protease homologue, expressed
	Os05g0417200,	
LOC_Os05g34470	Os05g0417251	expressed protein
LOC_Os05g34480	Os05g0417300	expressed protein
LOC_Os05g34670	Os05g0419500	KH domain containing protein, putative, expressed
LOC_Os05g35140	Os05g0426000	nodulin MtN3 family protein, putative, expressed
LOC_Os05g35490	None	hypothetical protein
LOC_Os05g36140	Os05g0437401	expressed protein
LOC_Os05g36320	Os05g0439100	expressed protein
LOC_Os05g36940	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g38350	Os05g0457800	glycerol-3-phosphate acyltransferase 8, putative, expressed
LOC_Os05g39140	Os05g0467600	expressed protein
LOC_Os05g40300	Os05g0481600	expressed protein
LOC_Os05g40310	Os05g0481700	expressed protein
LOC_Os05g40320	Os05g0481800	PPR repeat domain containing protein, putative, expressed
LOC_Os05g40700	Os05g0485300	transmembrane protein 56, putative, expressed
LOC_Os05g40820	Os05g0486700	ribosomal protein L24, putative, expressed
LOC_Os05g41200	Os05g0491000	OsCML9 - Calmodulin-related calcium sensor protein, expressed
LOC_Os05g41300	Os05g0492300	expressed protein
LOC_Os05g41440	Os05g0494000	cytochrome P450, putative, expressed
LOC_Os05g43530	Os05g0510800	CSLC7 - cellulose synthase-like family C, expressed
LOC_Os05g44200	Os05g0518300	GDSL-like lipase/acylhydrolase, putative, expressed
LOC_Os05g44570	None	histidine-containing phosphotransfer protein, putative, expressed
LOC_Os05g45070	Os05g0526700	harpin-induced protein 1 domain containing protein, expressed
LOC_Os05g45400	Os05g0530300	expressed protein
LOC_Os05g45460	Os05g0531200	POEI52 - Pollen Ole e I allergen and extensin family protein precursor, expressed
LOC_Os05g45470	Os05g0531300	hypothetical protein
LOC_Os05g45520	Os05g0531800	expressed protein
LOC_Os05g45580	Os05g0532500	expressed protein

LOC_Os05g45760	Os05g0534000	EMB1796, putative, expressed
LOC_Os05g45770	Os05g0534100	Divergent PAP2 family domain containing protein, expressed
LOC_Os05g46070	None	hAT dimerisation domain containing protein
LOC_Os05g46170	Os05g0539150	expressed protein
LOC_Os05g50850	Os05g0586050	expressed protein
LOC_Os05g51530	Os05g0593100	vacuolar ATP synthase subunit C, putative, expressed
LOC_Os05g51640	Os05g0594800	adhesion regulating molecule family, putative, expressed
LOC_Os05g51670	Os05g0595100	NAD dependent epimerase/dehydratase family protein, putative, expressed
LOC_Os05g51750	Os05g0596000	aspartyl protease family protein, putative, expressed
LOC_Os06g01140	None	expressed protein
LOC_Os06g01200	Os06g0101300	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os06g01250	Os06g0102100	cytochrome P450, putative, expressed
LOC_Os06g01290	Os06g0102600	expressed protein
LOC_Os06g01304	Os06g0102700, Os06g0102750	spotted leaf 11, putative, expressed
LOC_Os06g01340	Os06g0103000	CCT/B-box zinc finger protein, putative, expressed
LOC_Os06g01350	Os06g0103200	transferase family protein, putative, expressed
LOC_Os06g01370	Os06g0103400	DNA-binding protein-related, putative, expressed
LOC_Os06g01400	Os06g0103600	glycyl-tRNA synthetase 2, chloroplast/mitochondrial precursor, putative, expressed
LOC_Os06g01410	Os06g0103700	glutamine cyclotransferase precursor, putative, expressed
LOC_Os06g01440	Os06g0103800	integral membrane protein, putative, expressed
LOC_Os06g01500	Os06g0104400	IQ calmodulin-binding motif family protein, putative, expressed
LOC_Os06g01600	None	expressed protein
LOC_Os06g01680	Os06g0105900	expressed protein
LOC_Os06g01690	Os06g0106000	septum site-determining protein minD, putative, expressed
LOC_Os06g01700	Os06g0106100	CWC15 homolog A, putative, expressed
LOC_Os06g01780	Os06g0107000	ethylene-responsive element-binding protein, putative, expressed
LOC_Os06g01840	Os06g0107600, Os06g0107750	nodulin, putative, expressed
LOC_Os06g01890	Os06g0108500	MADS-box transcription factor, putative, expressed

LOC_Os06g01950	Os06g0109000	phosphoglycerate mutase, putative, expressed
LOC_Os06g01966	Os06g0109200	auxin-induced protein 5NG4, putative, expressed
LOC_Os06g01980	Os06g0109400	AAA family ATPase, putative, expressed
LOC_Os06g02000	Os06g0109600	adenylate kinase, putative, expressed
LOC_Os06g02019	Os06g0110000	cytochrome P450, putative, expressed
LOC_Os06g02040	Os06g0110200	late embryogenesis abundant group 1, putative, expressed
LOC_Os06g02054	Os06g0110400	OsFBX180 - F-box domain containing protein, expressed
LOC_Os06g02090	None	expressed protein
LOC_Os06g02100	Os06g0111100	OsFBX181 - F-box domain containing protein, expressed
LOC_Os06g02110	Os06g0111200	OsFBX182 - F-box domain containing protein, expressed
LOC_Os06g02120	Os06g0111300	PPR repeat domain containing protein, putative, expressed
LOC_Os06g02130	Os06g0111400	G-protein alpha subunit, putative, expressed
LOC_Os06g02144	Os06g0111500	6-phosphogluconate dehydrogenase, decarboxylating, putative, expressed
LOC_Os06g02160	Os06g0111600	AMP-binding enzyme family protein, expressed
LOC_Os06g02180	Os06g0111800	CSLD2 - cellulose synthase-like family D, expressed
LOC_Os06g02190	None	expressed protein
LOC_Os06g02200	Os06g0112000	pentatricopeptide, putative, expressed
LOC_Os06g02210	Os06g0112100	bark storage protein A precursor, putative, expressed
LOC_Os06g02240	Os06g0112400	RNA recognition motif containing protein, putative, expressed
LOC_Os06g02370	Os06g0113900	expressed protein
LOC_Os06g02380	Os06g0114000	T-complex protein, putative, expressed
LOC_Os06g02390	Os06g0114200	ADP-ribosylation factor 1, putative, expressed
LOC_Os06g02450	Os06g0114900	expressed protein
LOC_Os06g02470	Os06g0115100	ATOZI1, putative, expressed
LOC_Os06g02500	Os06g0115400	superoxide dismutase, chloroplast, putative, expressed
LOC_Os06g02520	Os06g0115600	interacting protein of DMI3, putative, expressed
LOC_Os06g02530	Os06g0115700	expressed protein
LOC_Os06g02540	Os06g0115800	expressed protein
LOC_Os06g02610	None	folic acid binding protein, putative, expressed
LOC_Os06g02620	Os06g0116800	chaperone protein dnaJ, putative, expressed

LOC_Os06g03090	Os06g0121600	expressed protein
LOC_Os06g03486	Os06g0124900	expressed protein
LOC_Os06g03520	Os06g0125200	DUF581 domain containing protein, expressed
LOC_Os06g03530	Os06g0125300	pentatricopeptide, putative, expressed
LOC_Os06g03570	Os06g0125600	pentatricopeptide, putative, expressed
LOC_Os06g03600	Os06g0126000	transcriptional corepressor SEUSS, putative, expressed
LOC_Os06g03620	None	expressed protein
LOC_Os06g03640	Os06g0126500	BAG domain containing protein, expressed
LOC_Os06g03650	None	expressed protein
LOC_Os06g03690	Os06g0127500	RNA recognition motif containing protein, putative, expressed
LOC_Os06g03720	Os06g0127900	ribonucleoside-diphosphate reductase small chain, putative, expressed
LOC_Os06g03780	Os06g0128400	NUC153 domain containing protein, expressed
LOC_Os06g03810	Os06g0128800	expressed protein
LOC_Os06g03820	Os06g0129000	expressed protein
LOC_Os06g03840	Os06g0129200	H-BTB4 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with H family conserved sequence, expressed
LOC_Os06g03850	Os06g0129300	impaired sucrose induction 1, putative, expressed
LOC_Os06g03910	Os06g0129700	hydrolase, NUDIX family, domain containing protein, expressed
LOC_Os06g03940	Os06g0130000	spastin, putative, expressed
LOC_Os06g03960	None	expressed protein
LOC_Os06g03970	Os06g0130100	receptor-like protein kinase 5 precursor, putative, expressed
LOC_Os06g03980	Os06g0130200	expressed protein
LOC_Os06g04040	Os06g0131100	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os06g04070	Os06g0131300	pyridoxal-dependent decarboxylase protein, putative, expressed
LOC_Os06g04190	Os06g0132600	rad1, putative, expressed
LOC_Os06g04195	Os06g0132801	expressed protein
LOC_Os06g04210	Os06g0133200	expressed protein
LOC_Os06g04250	Os06g0133600	phosphate-induced protein 1 conserved region domain containing protein, expressed
LOC_Os06g04370	Os06g0134700	expressed protein
LOC_Os06g04380	Os06g0134800	aminomethyltransferase, putative, expressed

LOC_Os06g04440	Os06g0135800	expressed protein
LOC_Os06g04450	Os06g0135900	Sec1 family transport protein, putative, expressed
LOC_Os06g04500	Os06g0136500	cornichon protein, putative, expressed
LOC_Os06g04530	Os06g0136800	OsClp9 - Putative Clp protease homologue, expressed
LOC_Os06g04540	Os06g0136900	DNA binding protein, putative, expressed
LOC_Os06g04550	None	expressed protein
LOC_Os06g04560	Os06g0137100	kinesin motor domain containing protein, expressed
LOC_Os06g04600	Os06g0137500	Brix domain containing protein, putative, expressed
LOC_Os06g04610	Os06g0137600	ribosome-binding factor A, chloroplast precursor, putative, expressed
LOC_Os06g04620	Os06g0137700	GDP-mannose 4,6 dehydratase 2, putative, expressed
LOC_Os06g04640	Os06g0138000	bromodomain domain containing protein, expressed
LOC_Os06g04810	None	leucine rich repeat protein, putative, expressed
LOC_Os06g04830	Os06g0140200	leucine rich repeat protein, putative, expressed
LOC_Os06g04860	None	hypothetical protein
LOC_Os06g04870	Os06g0140700	homeobox associated leucine zipper, putative, expressed
LOC_Os06g04880	Os06g0140800	serine threonine kinase, putative, expressed
LOC_Os06g04910	Os06g0141166	hydrolase, NUDIX family protein, expressed
LOC_Os06g04920	Os06g0141200	zinc finger family protein, putative, expressed
LOC_Os06g05080	Os06g0142700	cytochrome c oxidase subunit 5B, mitochondrial precursor, putative, expressed
LOC_Os06g05090	Os06g0142800	methyltransferase domain containing protein, expressed
LOC_Os06g05110	Os06g0143000	superoxide dismutase, chloroplast, putative, expressed
LOC_Os06g05140	Os06g0143500	pentatricopeptide, putative, expressed
LOC_Os06g05390	Os06g0146300	expressed protein
LOC_Os06g05400	Os06g0146400	IscA-like iron-sulfur assembly protein, mitochondrial precursor, putative, expressed
LOC_Os06g05520	Os06g0147800	OsMKK1 - putative MAPKK based on amino acid sequence homology, expressed
LOC_Os06g05530	Os06g0148000	RNA recognition motif containing protein, putative, expressed
LOC_Os06g05690	Os06g0149700	cysteine synthase, chloroplast/chromoplast precursor, putative, expressed
LOC_Os06g05710	Os06g0150000	pollen-specific protein, putative, expressed
LOC_Os06g05720	Os06g0150100	expressed protein
LOC_Os06g05740	Os06g0150400	expressed protein

LOC_Os06g05760	Os06g0150800	ubiquitin family protein, putative, expressed
LOC_Os06g05770	None	expressed protein
LOC_Os06g05804	Os06g0151300	trafficking protein particle complex subunit 4, putative, expressed
	Os06g0151600,	
LOC_Os06g05820	Os06g0151800	OsLonP2 - Putative Lon protease homologue, expressed
LOC_Os06g05860	Os06g0151900	6-phosphofructokinase, putative, expressed
LOC_Os06g05870	Os06g0152000	dual specificity protein phosphatase, putative, expressed
LOC_Os06g05900	Os06g0152300	methyltransferase, putative, expressed
LOC_Os06g05920	Os06g0152500	Rf1, mitochondrial precursor, putative, expressed
LOC_Os06g05930	Os06g0152600	expressed protein
LOC_Os06g05940	Os06g0152700	DTA2, putative, expressed
LOC_Os06g05960	Os06g0153000	expressed protein
LOC_Os06g06080	Os06g0154400	serine esterase family protein, putative, expressed
	Os06g0154500	CGMC_MAPKCMGC_2_ERK 12 - CGMC includes CDA, MAPK, GSK3, and CLKC kinases, expressed
LOC_Os06g06090	Os06g0154800	expressed protein
LOC_Os06g06115	Os06g0154900	expressed protein
LOC_Os06g06120	Os06g0155000	glutamate receptor, putative, expressed
LOC_Os06g06130	Os06g0155300	IQ calmodulin-binding motif domain containing protein, expressed
LOC_Os06g06160	Os06g0155400	expressed protein
LOC_Os06g06170	Os06g0155500	transferase family protein, putative, expressed
LOC_Os06g06180	Os06g0155600	uncharacterized protein ycf45, putative, expressed
LOC_Os06g06190	Os06g0155900	expressed protein
LOC_Os06g06210	Os06g0156900	galactosyltransferase family protein, putative, expressed
LOC_Os06g06280	Os06g0158000	AMP-binding enzyme, putative, expressed
LOC_Os06g06350	Os06g0158800,	
	Os06g0158850	expressed protein
LOC_Os06g06430	Os06g0160400	proline-rich cell wall protein-like, putative, expressed
LOC_Os06g06530	Os06g0160800	expressed protein
LOC_Os06g06570	Os06g0161100	expressed protein
LOC_Os06g06580		

LOC_Os06g06690	Os06g0162200	hypothetical protein
LOC_Os06g06900	Os06g0164400	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os06g07350	Os06g0170500	RNA-binding motif protein, putative, expressed
LOC_Os06g08120	Os06g0179500	plant protein of unknown function domain containing protein, expressed
LOC_Os06g08290	Os06g0181300	MYB family transcription factor, putative, expressed
LOC_Os06g08300	Os06g0181400	FAD dependent oxidoreductase domain containing protein, expressed
LOC_Os06g08360	Os06g0182100	ethylene-responsive element-binding protein, putative, expressed
LOC_Os06g08370	None	hypothetical protein
LOC_Os06g08440	Os06g0183100	two-component response regulator, putative, expressed
LOC_Os06g08470	Os06g0183700	expressed protein
LOC_Os06g08480	Os06g0183800	CHD3-type chromatin-remodeling factor PICKLE, putative, expressed
LOC_Os06g08490	Os06g0183900	X0001, putative, expressed
LOC_Os06g08520	Os06g0184200	transposon protein, putative, unclassified, expressed
LOC_Os06g08650	Os06g0185700	pentatricopeptide, putative, expressed
LOC_Os06g08670	Os06g0185900	glutathione peroxidase, putative, expressed
LOC_Os06g08690	Os06g0186100	leucine-rich repeat receptor protein kinase EXS precursor, putative, expressed
LOC_Os06g08730	Os06g0186500	expressed protein
LOC_Os06g08760	Os06g0186800	conserved hypothetical protein
LOC_Os06g08870	None	hypothetical protein
LOC_Os06g09717	Os06g0197600	ethylene-responsive transcription factor, putative, expressed
	Os06g0213551,	
LOC_Os06g11050	Os06g0213700	cyclin-dependent kinase inhibitor, putative, expressed
LOC_Os06g11380	Os06g0217600	geminivirus Rep-interacting motor protein, putative, expressed
LOC_Os06g11410	Os06g0217900	cyclin, putative, expressed
LOC_Os06g11430	Os06g0218100	GRAM domain containing protein, expressed
LOC_Os06g11620	Os06g0219600	RNA recognition motif containing protein, putative, expressed
LOC_Os06g11630	Os06g0219700	OsFBX192 - F-box domain containing protein, expressed
LOC_Os06g11740	Os06g0220800	OsAPRL2 adenosine 5'-phosphosulfate reductase-like OsAPRL2, expressed
LOC_Os06g11780	Os06g0221000	MYB family transcription factor, putative, expressed
LOC_Os06g11790	Os06g0221100	TLD family protein, putative, expressed

LOC_Os06g11850	None	expressed protein
LOC_Os06g11960	Os06g0223200	2,3-bisphosphoglycerate-dependent phosphoglycerate mutase, putative, expressed
LOC_Os06g11970	Os06g0223300	OsMADS63 - MADS-box family gene with MIKC* type-box, expressed
LOC_Os06g11980	Os06g0223700	DUF581 domain containing protein, expressed
LOC_Os06g12030	Os06g0224200	glutaredoxin domain containing protein, putative, expressed
LOC_Os06g12040	Os06g0224400	mTERF family protein, expressed
LOC_Os06g12110	Os06g0225200	mTERF family protein, expressed
LOC_Os06g12129	Os06g0225400	expressed protein
LOC_Os06g12140	None	expressed protein
LOC_Os06g12150	Os06g0225800	shikimate kinase, putative, expressed
LOC_Os06g12180	Os06g0226050	jacalin-like lectin domain containing protein, expressed
LOC_Os06g12220	Os06g0226600	HVA22, putative, expressed
LOC_Os06g12260	Os06g0227200	N-rich protein, putative, expressed
LOC_Os06g12270	None	hypothetical protein
LOC_Os06g12400	Os06g0229300	Homeobox domain containing protein, expressed
LOC_Os06g12455	Os06g0230000	expressed protein
LOC_Os06g12800	Os06g0234300	expressed protein
LOC_Os06g12876	Os06g0235300	expressed protein
LOC_Os06g14530	Os06g0256800	expressed protein
LOC_Os06g15620	Os06g0266800	GASR7 - Gibberellin-regulated GASA/GAST/Snakin family protein precursor, expressed
LOC_Os06g17470	None	expressed protein
LOC_Os06g17830	Os06g0286310	oxidoreductase, 2OG-Fe oxygenase family protein, putative, expressed
LOC_Os06g17840	Os06g0286351	expressed protein
LOC_Os06g18840	None	retrotransposon protein, putative, LINE subclass, expressed
LOC_Os06g19960	Os06g0303400	aconitase hydratase protein, putative, expressed
LOC_Os06g20370	Os06g0308300	microtubule associated protein, putative, expressed
LOC_Os06g20410	Os06g0309000	BAH domain containing protein, expressed
LOC_Os06g20420	None	expressed protein
LOC_Os06g20430	Os06g0309200	BPI/LBP family protein At3g20270 precursor, putative, expressed
LOC_Os06g20550	None	expressed protein

LOC_Os06g20820	None	expressed protein
LOC_Os06g20860	Os06g0314000	paramyosin, putative, expressed
LOC_Os06g20870	Os06g0314100	pentatricopeptide repeat protein PPR1106-17, putative, expressed
LOC_Os06g20900	Os06g0314501	expressed protein
LOC_Os06g20920	Os06g0314600	SAM dependent carboxyl methyltransferase, putative, expressed
LOC_Os06g20960	Os06g0315000	SAM dependent carboxyl methyltransferase, putative, expressed
LOC_Os06g21110	Os06g0316000	expressed protein
	Os06g0328500,	
LOC_Os06g22300	Os06g0328650	transposon protein, putative, Ac/Ds sub-class, expressed
LOC_Os06g22670	Os06g0332700	tesmin/TSO1-like CXC domain containing protein, expressed
LOC_Os06g23780	Os06g0346300	glutaryl-CoA dehydrogenase, mitochondrial precursor, putative, expressed
LOC_Os06g24020	None	retrotransposon protein, putative, unclassified
LOC_Os06g24850	Os06g0355300	OsIAA22 - Auxin-responsive Aux/IAA gene family member, expressed
LOC_Os06g24900	None	hypothetical protein
LOC_Os06g25590	None	expressed protein
LOC_Os06g25660	Os06g0362100	transposon protein, putative, unclassified, expressed
LOC_Os06g25670	Os06g0362200	expressed protein
LOC_Os06g27840	None	retrotransposon protein, putative, LINE subclass, expressed
LOC_Os06g28740	Os06g0482200	expressed protein
LOC_Os06g31210	Os06g0508700	methionyl-tRNA synthetase, putative, expressed
LOC_Os06g31270	Os06g0509600	polygalacturonase, putative, expressed
LOC_Os06g31810	None	hypothetical protein
LOC_Os06g33220	Os06g0523500	expressed protein
LOC_Os06g33230	Os06g0523701	transposon protein, putative, Mariner sub-class, expressed
LOC_Os06g33320	Os06g0524300	extra-large G-protein-related, putative, expressed
LOC_Os06g33710	Os06g0528600	spermidine synthase, putative, expressed
LOC_Os06g33970	Os06g0530600	VQ domain containing protein, putative, expressed
LOC_Os06g34450	Os06g0535400	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os06g34570	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os06g34700	None	expressed protein

LOC_Os06g34710	Os06g0538200	expressed protein
LOC_Os06g35400	None	hypothetical protein
LOC_Os06g35560	Os06g0548200	reticuline oxidase-like protein precursor, putative, expressed
LOC_Os06g35830	Os06g0551500	expressed protein
LOC_Os06g36010	Os06g0553800	plastocyanin-like domain containing protein, putative, expressed
LOC_Os06g36050	Os06g0554300	expressed protein
LOC_Os06g36090	Os06g0554800	ABC-2 type transporter, putative, expressed
LOC_Os06g36220	Os06g0556300	OsFBX198 - F-box domain containing protein, expressed
LOC_Os06g36230	None	expressed protein
LOC_Os06g36490	Os06g0560400	ethylene-responsive element-binding protein, putative, expressed
LOC_Os06g36590	Os06g0561200	transporter, monovalent cation:proton antiporter-2 family, putative, expressed
LOC_Os06g36810	Os06g0564100	expressed protein
LOC_Os06g36970	None	transposon protein, putative, unclassified, expressed
LOC_Os06g36990	Os06g0565900	phospholipid-transporting ATPase 4, putative, expressed
LOC_Os06g37000	Os06g0566100	RNA recognition motif containing protein, expressed
LOC_Os06g39400	Os06g0594820	retrotransposon protein, putative, unclassified, expressed
LOC_Os06g39515	Os06g0596200	expressed protein
LOC_Os06g39610	None	expressed protein
LOC_Os06g39660	Os06g0597600	FAD binding domain containing protein, expressed
LOC_Os06g39748	None	expressed protein
LOC_Os06g39900	Os06g0600700	agenet domain containing protein, putative, expressed
LOC_Os06g39906	Os06g0601000	homeobox domain containing protein, expressed
LOC_Os06g39970	Os06g0601600	CESA11 - cellulose synthase, expressed
LOC_Os06g40020	Os06g0602400	DEAD-box ATP-dependent RNA helicase 52A, putative, expressed
LOC_Os06g40050	Os06g0602700	mitochondrial carrier protein, putative, expressed
LOC_Os06g40460	Os06g0606900	expressed protein
LOC_Os06g40600	Os06g0608300	elongation factor, putative, expressed
LOC_Os06g40670	None	expressed protein
LOC_Os06g40680	None	expressed protein
LOC_Os06g40740	Os06g0609800	expressed protein

LOC_Os06g41030	Os06g0613000	DUF1680 domain containing protein, putative, expressed
LOC_Os06g42790	Os06g0634300	hydrolase, NUDIX family, domain containing protein, expressed
LOC_Os06g42890	Os06g0635500	DNA binding protein, putative, expressed
LOC_Os06g43690	Os06g0644600	WD repeat-containing protein, putative, expressed
LOC_Os06g43700	Os06g0644700	transmembrane amino acid transporter protein, putative, expressed
LOC_Os06g43870	Os06g0646700	expressed protein
LOC_Os06g43890	None	expressed protein
LOC_Os06g43900	Os06g0647100	ribosomal protein L35, putative, expressed
LOC_Os06g43990	Os06g0648500	expressed protein
LOC_Os06g44140	Os06g0650600	transmembrane 9 superfamily member, putative, expressed
LOC_Os06g44160	Os06g0650900	heat shock protein DnaJ, putative, expressed
LOC_Os06g44830	None	expressed protein
LOC_Os06g45440	Os06g0665100	haloacid dehalogenase-like hydrolase domain-containing protein 3, putative, expressed
LOC_Os06g45470	None	expressed protein
LOC_Os06g45480	Os06g0665500	hydrolase, putative, expressed
LOC_Os06g45860	Os06g0670000	molybdenum cofactor sulfurase, putative, expressed
LOC_Os06g48680	Os06g0700300	expressed protein
LOC_Os06g49505	Os06g0708832	arogenate dehydrogenase 1, chloroplast precursor, putative, expressed
LOC_Os06g49510	Os06g0708900	zinc knuckle family protein, putative, expressed
LOC_Os06g49620	None	expressed protein
LOC_Os06g49640	Os06g0710300	uncharacterized UPF0114 domain containing protein, expressed
LOC_Os06g49650	Os06g0710500	harpin-induced protein 1 domain containing protein, expressed
LOC_Os06g49770	Os06g0711900	LTPL86 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os06g49840	Os06g0712700	OsMADS16 - MADS-box family gene with MIKCC type-box, expressed
LOC_Os06g50300	Os06g0716700	heat shock protein, putative, expressed
LOC_Os06g50370	Os06g0717600	zinc finger, C3HC4 type, domain containing protein, expressed
LOC_Os06g50380	Os06g0717800	protein phosphatase 2C, putative, expressed
LOC_Os06g50430	Os06g0718700	expressed protein
LOC_Os06g50890	Os06g0724600	RNA recognition motif containing protein, expressed
LOC_Os06g50910	Os06g0724700	Phosphatidylinositol kinase and FAT containing domain protein, putative, expressed

LOC_Os06g51084	Os06g0726400	1,4-alpha-glucan-branching enzyme, chloroplast precursor, putative, expressed
LOC_Os06g51180	Os06g0727600, Os06g0727650	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed
LOC_Os06g51210	Os06g0727900	zinc finger family protein, putative, expressed
LOC_Os06g51280	None	acetolactate synthase 1, chloroplast precursor, putative, expressed
LOC_Os06g51290	Os06g0729000	phytoene synthase, chloroplast precursor, putative, expressed
LOC_Os06g51320	Os06g0729400	GASR8 - Gibberellin-regulated GASA/GAST/Snakin family protein precursor, expressed
LOC_Os06g51380	Os06g0730200	ROOT HAIRLESS 1, putative, expressed
LOC_Os06g51390	Os06g0730300	expressed protein
LOC_Os06g51400	Os06g0730500	expressed protein
LOC_Os06g51520	Os06g0731900	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed
LOC_Os07g01060	Os07g0100500	expressed protein
LOC_Os07g01120	None	expressed protein
LOC_Os07g01130	Os07g0101200, Os07g0101300	pentatricopeptide containing protein, putative, expressed
LOC_Os07g01160	None	expressed protein
LOC_Os07g02070	Os07g0111500	retrotransposon protein, putative, Ty3-gypsy subclass
	Os07g0115740,	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g02490	Os07g0115760	
LOC_Os07g02760	Os07g0118800	OsFBD13 - F-box and FBD domain containing protein, expressed
	Os07g0123100,	
LOC_Os07g03120	Os07g0123200	expressed protein
LOC_Os07g03160	Os07g0123700	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os07g03210	None	expressed protein
LOC_Os07g03220	Os07g0124300	bZIP transcription factor domain containing protein, expressed
LOC_Os07g03260	Os07g0124750	CSLC10 - cellulose synthase-like family C, expressed
LOC_Os07g04020	Os07g0132300	expressed protein
LOC_Os07g04150	Os07g0133500	stress-induced protein, putative, expressed
LOC_Os07g04170	Os07g0133900	OsMADS90 - MADS-box family gene with M-beta type-box, expressed
LOC_Os07g04200	Os07g0134400	bacterial transferase hexapeptide domain containing protein, expressed

LOC_Os07g04210	Os07g0134500	Ser/Thr protein phosphatase family protein, putative, expressed
LOC_Os07g04220	Os07g0134600	wound and phytochrome signaling involved receptor like kinase, putative, expressed
	Os07g0134700,	
LOC_Os07g04230	Os07g0135550	mTERF domain containing protein, expressed
LOC_Os07g04530	Os07g0137900	GYF domain containing protein, putative, expressed
LOC_Os07g04540	Os07g0138000	expressed protein
LOC_Os07g04550	Os07g0138100	pleckstrin homology domain-containing protein, putative, expressed
LOC_Os07g04570	None	RNA recognition motif containing protein, putative, expressed
LOC_Os07g04580	Os07g0138400	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os07g04780	None	expressed protein
LOC_Os07g04790	Os07g0140900	OsFBX215 - F-box domain containing protein, expressed
LOC_Os07g04800	None	hypothetical protein
LOC_Os07g04840	Os07g0141400	PsbP, putative, expressed
LOC_Os07g04850	Os07g0141600	pre-mRNA-processing factor 31, putative, expressed
LOC_Os07g04880	None	retrotransposon protein, putative, unclassified
LOC_Os07g04910	Os07g0142000	reticulon domain containing protein, putative, expressed
LOC_Os07g04930	Os07g0142200	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g04980	None	expressed protein
LOC_Os07g04990	Os07g0142900	oxidoreductase, aldo/keto reductase family protein, putative, expressed
LOC_Os07g05024	Os07g0143500	expressed protein
LOC_Os07g05030	None	expressed protein
LOC_Os07g05050	Os07g0143700	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os07g05060	Os07g0143900	expressed protein
LOC_Os07g05084	None	expressed protein
LOC_Os07g05100	None	expressed protein
LOC_Os07g05120	Os07g0144600	expressed protein
LOC_Os07g05145	Os07g0144732	expressed protein
LOC_Os07g05150	Os07g0144800	Skp1 family, dimerisation domain containing protein, expressed
LOC_Os07g05160	Os07g0144900	SKP1-like protein 1B, putative, expressed
LOC_Os07g05190	Os07g0145400	leucine-rich repeat family protein, putative, expressed

LOC_Os07g05360	Os07g0147500	photosystem II 10 kDa polypeptide, chloroplast precursor, putative, expressed
LOC_Os07g05370	Os07g0147600	TKL_IRAK_CrRLK1L-1
LOC_Os07g05450	Os07g0148500	sulfotransferase domain containing protein, expressed
LOC_Os07g05470	Os07g0148800	AIR9 protein, putative, expressed
LOC_Os07g05560	None	expressed protein
LOC_Os07g05570	Os07g0150100	ERD4 protein, putative, expressed
LOC_Os07g05580	Os07g0150200	ribosomal protein L7Ae, putative, expressed
LOC_Os07g05600	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g05650	Os07g0151300	MAGE-8 antigen-related, putative, expressed
LOC_Os07g05670	Os07g0151500	expressed protein
LOC_Os07g05930	None	expressed protein
LOC_Os07g07440	Os07g0170000	versicolorin reductase, putative, expressed
LOC_Os07g07460	None	hypothetical protein
LOC_Os07g07470	Os07g0170100	transketolase, putative, expressed
LOC_Os07g07480	Os07g0170200	HNH endonuclease domain-containing protein, putative, expressed
LOC_Os07g07540	Os07g0171100	SHOOT1 protein, putative, expressed
LOC_Os07g07550	Os07g0171200	galactose-1-phosphate uridyl transferase, putative, expressed
LOC_Os07g07590	None	expressed protein
LOC_Os07g07610	Os07g0172500	RNA polymerase subunit, putative, expressed
LOC_Os07g07620	Os07g0172600	pentatricopeptide, putative, expressed
LOC_Os07g07630	Os07g0172700	expressed protein
LOC_Os07g07640	Os07g0172800	hypothetical protein
LOC_Os07g07690	Os07g0173300,	PHD-finger domain containing protein, expressed
	Os07g0173400	
LOC_Os07g07800	None	PHA synthase, putative, expressed
LOC_Os07g07820	Os07g0174700	expressed protein
LOC_Os07g07880	Os07g0175100	trp repressor/replication initiator, putative, expressed
LOC_Os07g07890	Os07g0175200	expressed protein
LOC_Os07g07900	Os07g0175300	expressed protein
LOC_Os07g07920	Os07g0175500	LTPL100 - Protease inhibitor/seed storage/LTP family protein precursor, expressed

LOC_Os07g07930	Os07g0175600	LTPL78 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os07g08040	Os07g0177000	expressed protein
LOC_Os07g08750	Os07g0185000	STE_PAK_Ste20_Slob_Wnk
LOC_Os07g11980	None	expressed protein
LOC_Os07g12240	None	EF hand family protein, putative, expressed
LOC_Os07g12530	Os07g0227800	ABC1 family domain containing protein, putative, expressed
LOC_Os07g12630	Os07g0229700	transcription elongation factor protein, putative, expressed
LOC_Os07g12640	Os07g0229800	glycerol-3-phosphate dehydrogenase, putative, expressed
LOC_Os07g12660	None	expressed protein
LOC_Os07g12670	None	expressed protein
LOC_Os07g12700	Os07g0230400	expressed protein
LOC_Os07g12710	Os07g0230500	GIY-YIG catalytic domain containing protein, putative, expressed
LOC_Os07g12790	Os07g0231700	expressed protein
LOC_Os07g12800	Os07g0231800	expressed protein
LOC_Os07g12810	Os07g0231900	expressed protein
LOC_Os07g12890	Os07g0232800	metal cation transporter, putative, expressed
LOC_Os07g13040	Os07g0234600	expressed protein
LOC_Os07g14350	Os07g0247100	methyltransferase, putative, expressed
LOC_Os07g14514	Os07g0248800,	retrotransposon protein, putative, unclassified, expressed
	Os07g0248900	
LOC_Os07g14540	Os07g0249200	vesicle-associated membrane protein, putative, expressed
LOC_Os07g14580	Os07g0249600	mRNA-decapping enzyme, putative, expressed
LOC_Os07g14590	Os07g0249700	hydrolase, putative, expressed
LOC_Os07g15110	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g17470	None	hypothetical protein
LOC_Os07g18110	None	expressed protein
LOC_Os07g18120	Os07g0281700,	aldehyde oxidase, putative, expressed
	Os07g0281800	
LOC_Os07g18170	None	retrotransposon protein, putative, unclassified
LOC_Os07g18250	Os07g0283200	expressed protein

LOC_Os07g18510	Os07g0285200	OsFBLD5 - F-box, LRR and FBD domain containing protein, expressed
LOC_Os07g19320	Os07g0294100	stripe rust resistance protein Yr10, putative, expressed
LOC_Os07g22340	None	hypothetical protein
LOC_Os07g22350	Os07g0406300	glucose-6-phosphate 1-dehydrogenase, chloroplast precursor, putative, expressed
LOC_Os07g22730	Os07g0410300	AP2 domain containing protein, expressed
LOC_Os07g22930	Os07g0412100	starch synthase, putative, expressed
LOC_Os07g23100	None	expressed protein
LOC_Os07g23130	None	expressed protein
LOC_Os07g23140	None	hypothetical protein
LOC_Os07g23150	Os07g0414000	transferase family protein, putative, expressed
LOC_Os07g23190	Os07g0414700	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed
LOC_Os07g23200	Os07g0414800	F-actin-capping protein subunit alpha, putative, expressed
LOC_Os07g25420	Os07g0435100	26S proteasome non-ATPase regulatory subunit 8, putative, expressed
LOC_Os07g25450	Os07g0435900	histone-lysine N-methyltransferase, putative, expressed
LOC_Os07g25490	Os07g0436475	expressed protein
LOC_Os07g25510	None	expressed protein
LOC_Os07g25520	None	expressed protein
LOC_Os07g25530	None	expressed protein
LOC_Os07g25670	None	expressed protein
LOC_Os07g25680	Os07g0438500, Os07g0438550	protein kinase domain containing protein, expressed
LOC_Os07g25710	Os07g0438800	myb-like DNA-binding domain containing protein, expressed
LOC_Os07g25800	Os07g0440000	OsFBDF37 - F-box and DUF domain containing protein, expressed
LOC_Os07g26440	Os07g0445600	expressed protein
LOC_Os07g26460	Os07g0445800	GLTP domain containing protein, putative, expressed
LOC_Os07g26490	Os07g0446100	ankyrin repeat domain containing protein, expressed
LOC_Os07g26570	None	expressed protein
LOC_Os07g26610	Os07g0447800	phosphoglucomutase, putative, expressed
LOC_Os07g26740	Os07g0450000	60S ribosomal protein L44, putative, expressed
LOC_Os07g27880	Os07g0462800	O-methyltransferase, putative, expressed

LOC_Os07g30020	Os07g0483500	anthranilate phosphoribosyltransferase, putative, expressed
LOC_Os07g30160	Os07g0485000	trehalose phosphatase, putative, expressed
LOC_Os07g30250	Os07g0486100	RFT1, putative, expressed
LOC_Os07g30280	Os07g0486400	csAtPR5, putative, expressed
LOC_Os07g30790	Os07g0490300	ubiquinol-cytochrome C chaperone family protein, putative, expressed
LOC_Os07g30980	Os07g0492100	uvrD/REP helicase family protein, putative, expressed
LOC_Os07g30990	Os07g0492200	ubiquitin family protein, putative, expressed
	Os07g0492900,	
LOC_Os07g31070	Os07g0492966	expressed protein
LOC_Os07g31340	Os07g0495900	regulator of nonsense transcripts 1, putative, expressed
LOC_Os07g31350	None	expressed protein
LOC_Os07g31450	Os07g0497100	CHR4/MI-2-LIKE, putative, expressed
LOC_Os07g31460	Os07g0497400	peptide-Nasparagine amidase, putative, expressed
LOC_Os07g31770	Os07g0501100	chalcone synthase, putative, expressed
LOC_Os07g31930	None	hypothetical protein
LOC_Os07g32380	Os07g0507000	protein phosphatase 2C, putative, expressed
LOC_Os07g32460	Os07g0508300	src homology-3 domain protein 3, putative, expressed
LOC_Os07g33330	Os07g0516900	RNA recognition motif containing protein, putative, expressed
LOC_Os07g34510	Os07g0528900	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g34520	Os07g0529000	isocitrate lyase, putative, expressed
LOC_Os07g34560	None	expressed protein
LOC_Os07g34570	Os07g0529600	FAD dependent oxidoreductase domain containing protein, expressed
LOC_Os07g34690	Os07g0531200	expressed protein
LOC_Os07g34710	Os07g0531400	peroxidase precursor, putative, expressed
LOC_Os07g35150	None	hypothetical protein
	Os07g0540100	TKL_IRAK_DUF26-lc 20 - DUF26 kinases have homology to DUF26 containing loci, expressed
LOC_Os07g35580	Os07g0543000	basic helix-loop-helix DND-binding domain containing protein, expressed
LOC_Os07g35870	Os07g0545800	chitin-inducible gibberellin-responsive protein, putative, expressed
LOC_Os07g36170	Os07g0545900	pentatricopeptide, putative, expressed
LOC_Os07g36180		

LOC_Os07g36190	Os07g0546000	hydrolase, NUDIX family, domain containing protein, expressed
LOC_Os07g36200	Os07g0546100	eukaryotic translation initiation factor-related, putative, expressed
LOC_Os07g36390	Os07g0548300	PPR repeat containing protein, expressed
LOC_Os07g36410	Os07g0548800	expressed protein
LOC_Os07g36590	Os07g0551300	serine/threonine-protein kinase receptor precursor, putative, expressed
LOC_Os07g36630	Os07g0551700	CSLF8 - cellulose synthase-like family F; beta1,3;1,4 glucan synthase, expressed
LOC_Os07g36830	Os07g0554100	OsFBX250 - F-box domain containing protein, expressed
LOC_Os07g37890	Os07g0566200	protein phosphatase 2C, putative, expressed
LOC_Os07g40070	None	expressed protein
LOC_Os07g42250	Os07g0614000	strictosidine synthase, putative, expressed
LOC_Os07g42580	Os07g0617600	expressed protein
LOC_Os07g42626	Os07g0618400	STRUBBELIG-RECEPTOR FAMILY 6 precursor, putative, expressed
LOC_Os07g43660	None	expressed protein
LOC_Os07g45750	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g46220	Os07g0655900	SNARE associated Golgi protein, putative, expressed
LOC_Os07g46350	Os07g0656900	OsSCP40 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os07g46830	Os07g0663500	sex determination protein tasselseed-2, putative, expressed
LOC_Os07g48750	Os07g0686900	alpha-N-arabinofuranosidase, putative, expressed
LOC_Os07g49020	Os07g0690200	expressed protein
LOC_Os07g49030	Os07g0690300	PHD-finger family protein, expressed
LOC_Os07g49050	Os07g0690600	expressed protein
LOC_Os07g49090	None	WD-40 repeat family protein, putative, expressed
LOC_Os08g01040	Os08g0100400	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os08g01090	Os08g0101000	B3 DNA binding domain containing protein, expressed
LOC_Os08g01100	Os08g0101100	HMG1/2, putative, expressed
LOC_Os08g01170	Os08g0102000	acetyltransferase, GNAT family, putative, expressed
LOC_Os08g01210	Os08g0102551	harpin-induced protein 1 domain containing protein, expressed
LOC_Os08g01230	None	hypothetical protein
LOC_Os08g01240	Os08g0102800	expressed protein
LOC_Os08g01270	Os08g0103000	protein kinase family protein, putative, expressed

LOC_Os08g01274	Os08g0103100	expressed protein
LOC_Os08g01290	Os08g0103300	OsFBT12 - F-box and tubby domain containing protein, expressed
LOC_Os08g01310	Os08g0103500	phospholipase C, putative, expressed
LOC_Os08g01320	Os08g0103600	C3-BTB1 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with C3 subfamily conserved sequence, expressed
LOC_Os08g01330	Os08g0103900	no apical meristem protein, putative, expressed
LOC_Os08g01350	Os08g0104100	transmembrane protein 18, putative, expressed
LOC_Os08g01360	Os08g0104300	RING finger protein 13, putative, expressed
LOC_Os08g01370	Os08g0104400	expressed protein
LOC_Os08g01380	Os08g0104600	2Fe-2S iron-sulfur cluster binding domain containing protein, expressed
LOC_Os08g01390	Os08g0104700	phosphatidylinositol-4-phosphate 5-Kinase, putative, expressed
LOC_Os08g01430	Os08g0105100	OsFBX260 - F-box domain containing protein, expressed
LOC_Os08g01460	Os08g0105500	expressed protein
LOC_Os08g01550	Os08g0106600	expressed protein
LOC_Os08g01600	Os08g0107300	polygalacturonase, putative, expressed
LOC_Os08g01620	Os08g0107500	shwachman-Bodian-Diamond syndrome protein, putative, expressed
LOC_Os08g01630	Os08g0107600	DNA repair metallo-beta-lactamase, putative, expressed
LOC_Os08g01660	Os08g0107900	mago nashi, putative, expressed
LOC_Os08g01680	Os08g0108200	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os08g01700	Os08g0108500	basic helix-loop-helix family protein, putative, expressed
LOC_Os08g01710	Os08g0108700	GLTP domain containing protein, putative, expressed
LOC_Os08g01740	Os08g0109000	VHS and GAT domain containing protein, expressed
LOC_Os08g01760	Os08g0109200	dehydrogenase, putative, expressed
LOC_Os08g01770	Os08g0109300	adenylate kinase, putative, expressed
LOC_Os08g01900	Os08g0110500	armadillo/beta-catenin repeat family protein, putative, expressed
LOC_Os08g01910	Os08g0110600	expressed protein
LOC_Os08g01930	Os08g0110800	KH domain-containing protein, putative, expressed
LOC_Os08g02340	Os08g0116500	60S acidic ribosomal protein, putative, expressed
LOC_Os08g02350	Os08g0116566	expressed protein
LOC_Os08g02440	Os08g0117700	expressed protein

LOC_Os08g02530	Os08g0118800	OsSAUR32 - Auxin-responsive SAUR gene family member, expressed
LOC_Os08g02600	Os08g0119500	methyltransferase domain containing protein, expressed
LOC_Os08g02630	Os08g0119800	photosystem II core complex proteins psbY, chloroplast precursor, putative, expressed
LOC_Os08g02640	Os08g0120000	succinate dehydrogenase iron-sulfur subunit 2,mitochondrial precursor, putative, expressed
LOC_Os08g02850	Os08g0121900	zinc finger family protein, putative, expressed
LOC_Os08g02880	Os08g0122400	CXXXC11 - Cysteine-rich protein with paired CXXXC motifs precursor, expressed
LOC_Os08g02909	Os08g0122900	expressed protein
LOC_Os08g02950	Os08g0123300	expressed protein
LOC_Os08g02960	None	expressed protein
LOC_Os08g02970	Os08g0123600	expressed protein
LOC_Os08g02990	Os08g0123900	retrotransposon protein, putative, unclassified, expressed
LOC_Os08g03360	Os08g0127300	ATBET9, putative, expressed
LOC_Os08g03420	Os08g0128000	kelch repeat protein, putative, expressed
LOC_Os08g03430	Os08g0128200	extracellular ligand-gated ion channel, putative, expressed
LOC_Os08g03550	Os08g0129500	expressed protein
LOC_Os08g03560	Os08g0129600	chloroplast unusual positioning protein, putative, expressed
LOC_Os08g03600	Os08g0130000	expressed protein
LOC_Os08g03670	Os08g0130900	galactosyltransferase family protein, putative, expressed
LOC_Os08g03676	Os08g0131000	pentatricopeptide, putative, expressed
LOC_Os08g03690	Os08g0131200	LTPL24 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os08g04090	Os08g0134900	expressed protein
LOC_Os08g04110	Os08g0135100	transporter, putative, expressed
LOC_Os08g04120	Os08g0135300	expressed protein
LOC_Os08g04130	Os08g0135400	copine-6, putative, expressed
LOC_Os08g04160	Os08g0135700	expressed protein
LOC_Os08g04170	Os08g0135800	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os08g04220	None	expressed protein
LOC_Os08g04310	Os08g0137400	plastocyanin-like domain containing protein, putative, expressed
LOC_Os08g04340	Os08g0137800	plastocyanin-like domain containing protein, putative, expressed
LOC_Os08g04390	Os08g0138500	basic helix-loop-helix DND-binding domain containing protein, expressed

LOC_Os08g04400	Os08g0138600	pentatricopeptide repeat domain containing protein, putative, expressed
LOC_Os08g04580	Os08g0140700, Os08g0140850	csAtPR5, putative, expressed
LOC_Os08g04630	Os08g0141400	external NADH-ubiquinone oxidoreductase 1, mitochondrial precursor, putative, expressed
LOC_Os08g04770	Os08g0143300	AMP-binding domain containing protein, expressed
LOC_Os08g04780	Os08g0143400	amine oxidase, putative, expressed
LOC_Os08g04800	Os08g0143600	triacylglycerol lipase like protein, putative, expressed
LOC_Os08g04900	None	hypothetical protein
LOC_Os08g04910	None	expressed protein
LOC_Os08g04920	Os08g0144400	OsDegp11 - Putative Deg protease homologue, expressed
LOC_Os08g05440	Os08g0150150	NB-ARC domain containing protein, expressed
LOC_Os08g06490	Os08g0162200	pentatricopeptide, putative, expressed
LOC_Os08g06520	Os08g0162500	expressed protein
LOC_Os08g06530	Os08g0162600	rubredoxin family protein, putative, expressed
LOC_Os08g06590	None	expressed protein
LOC_Os08g07030	None	hypothetical protein
LOC_Os08g07060	Os08g0167500	CRR6, putative, expressed
LOC_Os08g07760	Os08g0174700	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1 precursor, putative, expressed
LOC_Os08g07774	Os08g0174800	disease resistance protein RPM1, putative, expressed
LOC_Os08g07840	Os08g0175300	PoI-like DNA polymerase, putative, expressed
LOC_Os08g07880	Os08g0176100	phosphopantetheate-cysteine ligase, putative, expressed
LOC_Os08g07950	None	NB-ARC domain containing protein, expressed
LOC_Os08g08000	Os08g0177300	DNA binding protein, putative, expressed
LOC_Os08g08020	Os08g0177500	expressed protein
LOC_Os08g08060	Os08g0178100	vacuolar protein sorting-associated protein 18, putative, expressed
LOC_Os08g08080	Os08g0178300	BUD13, putative, expressed
LOC_Os08g08084	Os08g0178400	expressed protein
LOC_Os08g08090	Os08g0178500	wound induced protein, putative, expressed
LOC_Os08g08120	Os08g0178800	B-box zinc finger family protein, putative, expressed

LOC_Os08g08205	None	expressed protein
LOC_Os08g08210	Os08g0180100	SET domain containing protein, expressed
LOC_Os08g08250	None	expressed protein
LOC_Os08g08830	Os08g0187700	expressed protein
LOC_Os08g08840	Os08g0187800	phosphate/phosphate translocator, putative, expressed
LOC_Os08g09110	Os08g0190300	NB-ARC domain containing protein, expressed
LOC_Os08g09120	None	expressed protein
LOC_Os08g09130	None	conserved hypothetical protein
	Os08g0190500,	
LOC_Os08g09170	Os08g0190700	expressed protein
LOC_Os08g09180	Os08g0190800	postsynaptic protein CRIPT, putative, expressed
LOC_Os08g09210	Os08g0191200	phosphoribosylamine--glycine ligase, putative, expressed
LOC_Os08g09270	Os08g0191900	pentatricopeptide, putative, expressed
LOC_Os08g09280	None	hypothetical protein
LOC_Os08g09340	Os08g0192800	bromodomain containing protein, expressed
LOC_Os08g09350	Os08g0192900	gar2, putative, expressed
LOC_Os08g09690	Os08g0196700	nuclear transcription factor Y subunit, putative, expressed
	Os08g0199300,	
LOC_Os08g09940	Os08g0199525	GTP-binding protein, putative, expressed
LOC_Os08g10000	None	expressed protein
LOC_Os08g10030	Os08g0200400	KH domain-containing protein, putative, expressed
LOC_Os08g10070	Os08g0200500	protein kinase, putative, expressed
LOC_Os08g12160	Os08g0218700	expressed protein
LOC_Os08g12650	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os08g12670	None	expressed protein
LOC_Os08g12740	Os08g0224000	disease resistance protein RGA3, putative, expressed
LOC_Os08g12750	Os08g0224100	serine/threonine-protein kinase HT1, putative, expressed
LOC_Os08g12760	Os08g0224200	YT521-B, putative, expressed
LOC_Os08g12780	Os08g0224300	chloroplast envelope membrane protein, putative, expressed
LOC_Os08g12890	Os08g0225400	DNA binding protein, putative, expressed

LOC_Os08g12990	Os08g0226166, Os08g0226300	retrotransposon protein, putative, unclassified, expressed
LOC_Os08g13060	Os08g0227100	MBTB22 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Meprin and TRAF Homology MATH domain, expressed
LOC_Os08g13270	Os08g0229601	expressed protein
LOC_Os08g13310	None	expressed protein
LOC_Os08g13320	Os08g0230000	expressed protein
LOC_Os08g13990	Os08g0238100	pentatricopeptide, putative, expressed
LOC_Os08g14195	Os08g0240200	expressed protein
LOC_Os08g14420	None	expressed protein
LOC_Os08g14440	Os08g0242700 Os08g0242800, Os08g0243001	uridylyltransferase-related, putative, expressed RNA polymerase sigma factor, putative, expressed
LOC_Os08g14450	None	hypothetical protein
LOC_Os08g14630	Os08g0249400	proline rich protein 3, putative, expressed
LOC_Os08g15080	Os08g0250900	heat shock protein-related, putative, expressed
LOC_Os08g15230	None	expressed protein
LOC_Os08g15410	None	conserved hypothetical protein
LOC_Os08g15480	None	expressed protein
LOC_Os08g15505	None	DEFL55 - Defensin and Defensin-like DEFL family, expressed
LOC_Os08g15545	None	purple acid phosphatase, putative, expressed
LOC_Os08g17784	Os08g0280100	retrotransposon protein, putative, unclassified, expressed
LOC_Os08g17820	Os08g0280200	OsFBX283 - F-box domain containing protein, expressed
LOC_Os08g18000	Os08g0281600	alpha-soluble NSF attachment protein, putative, expressed
LOC_Os08g18110	Os08g0282400	expressed protein
LOC_Os08g18910	None	pectate lyase family protein, expressed
LOC_Os08g18970	Os08g0286100	adenylate kinase family protein, putative, expressed
LOC_Os08g19140	Os08g0288200	G-patch domain containing protein, expressed
LOC_Os08g19170	Os08g0288500	aberrant root formation protein 4, putative, expressed
LOC_Os08g19320	Os08g0290100	expressed protein
LOC_Os08g19330	Os08g0290200	

LOC_Os08g19420	Os08g0290700	O-methyltransferase, putative, expressed
LOC_Os08g19520	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os08g20200	Os08g0298700	male sterility protein, putative, expressed
LOC_Os08g22149	Os08g0313200	CBS domain containing membrane protein, putative, expressed
LOC_Os08g23150	Os08g0320400	indole-3-glycerol phosphate synthase, chloroplast precursor, putative, expressed
LOC_Os08g23720	Os08g0326500	glucan endo-1,3-beta-glucosidase precursor, putative, expressed
LOC_Os08g24400	Os08g0332800	SWP, putative, expressed
LOC_Os08g24460	Os08g0333366	hypothetical protein
LOC_Os08g24470	Os08g0333500	expressed protein
LOC_Os08g24480	None	HAT family dimerisation domain containing protein, identical, putative, expressed
LOC_Os08g27400	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os08g28730	Os08g0374800	NAD dependent epimerase/dehydratase family protein, putative, expressed
	Os08g0376500,	patatin, putative, expressed
LOC_Os08g28880	Os08g0376550	hypothetical protein
LOC_Os08g28920	None	expressed protein
LOC_Os08g28970	Os08g0377500	thioredoxin, putative, expressed
LOC_Os08g29110	Os08g0378900	expressed protein
LOC_Os08g29124	Os08g0379000	expressed protein
LOC_Os08g29220	None	expressed protein
LOC_Os08g29400	Os08g0382800,	OsFBX290 - F-box domain containing protein, expressed
	Os08g0383250	RGH1A, putative, expressed
LOC_Os08g29854	Os08g0388300	membrane protein, putative, expressed
LOC_Os08g30020	Os08g0389700	expressed protein
LOC_Os08g30070	Os08g0390100	DC1 domain containing protein, expressed
LOC_Os08g30634	Os08g0396700	ABC transporter, ATP-binding protein, putative, expressed
LOC_Os08g30780	Os08g0398350	hypersensitive-induced response protein, putative, expressed
LOC_Os08g30790	Os08g0398400	puromycin-sensitive aminopeptidase, putative, expressed
LOC_Os08g30810	Os08g0398700	expressed protein
LOC_Os08g31040	None	expressed protein
LOC_Os08g31070	None	

LOC_Os08g31080	Os08g0402100	DUF260 domain containing protein, putative, expressed
LOC_Os08g33590	Os08g0432800	basic helix-loop-helix, putative, expressed
LOC_Os08g33750	Os08g0434700	myb-like DNA-binding domain containing protein, expressed
LOC_Os08g33790	None	hypothetical protein
LOC_Os08g33920	Os08g0436800	60S ribosomal protein L34, putative, expressed
LOC_Os08g34010	Os08g0438400	ZF-HD protein dimerisation region containing protein, expressed
LOC_Os08g34050	Os08g0439000	phosphofructokinase, putative, expressed
LOC_Os08g34060	Os08g0439100	DUF1336 domain containing protein, expressed
LOC_Os08g34130	Os08g0439900	mitochondrial glycoprotein, putative, expressed
LOC_Os08g34249	None	inhibitor I family protein, putative, expressed
LOC_Os08g34410	Os08g0443400	expressed protein
	Os08g0444420,	expressed protein
LOC_Os08g34500	Os08g0444440	
LOC_Os08g35490	Os08g0455900	ctr copper transporter family protein, putative, expressed
	Os08g0458400,	expressed protein
LOC_Os08g35650	Os08g0458532	
LOC_Os08g36150	Os08g0464000	activator of 90 kDa heat shock protein ATPase homolog, putative, expressed
LOC_Os08g36450	Os08g0467600	transcription regulator, putative, expressed
LOC_Os08g36460	None	expressed protein
LOC_Os08g36570	Os08g0469500	F-box protein, putative, expressed
	Os08g0470700	bifunctional monodehydroascorbate reductase and carbonic anhydrasenectarin-3 precursor, putative, expressed
LOC_Os08g36680	Os08g0474700	protein transport protein, putative, expressed
LOC_Os08g36994	Os08g0475900	expressed protein
LOC_Os08g37090	Os08g0476000	expressed protein
LOC_Os08g37104	None	heat shock protein DnaJ, putative, expressed
LOC_Os08g37270	Os08g0477800	PPWP domain containing protein, expressed
LOC_Os08g37350	Os08g0478500	ubiquitin carboxyl-terminal hydrolase family protein, expressed
LOC_Os08g37390	Os08g0479300	cyclin, putative, expressed
LOC_Os08g37490	Os08g0480800	14-3-3 protein, putative, expressed

LOC_Os08g37605	Os08g0481950	riboflavin biosynthesis protein ribAB, chloroplast precursor, putative, expressed
LOC_Os08g37760	Os08g0484200	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os08g37810	Os08g0484700	transcription factor like protein, putative, expressed
LOC_Os08g38020	Os08g0487100	bZIP transcription factor domain containing protein, expressed
LOC_Os08g38430	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os08g39174	Os08g0501088, Os08g0501200	retrotransposon protein, putative, Ty1-copia subclass, expressed
LOC_Os08g39550	Os08g0505900	polygalacturonase inhibitor 2 precursor, putative, expressed
LOC_Os08g40750	None	expressed protein
LOC_Os08g40790	Os08g0519400	DNA repair ATPase-related, putative, expressed
LOC_Os08g41290	Os08g0524400	AIR12, putative, expressed
LOC_Os08g41300	Os08g0524600	60S ribosomal protein L32, putative, expressed
LOC_Os08g41310	None	hypothetical protein
LOC_Os08g41489	Os08g0526633	expressed protein
LOC_Os08g41500	Os08g0526700	ubiquitin-associated protein, putative, expressed
LOC_Os08g41790	Os08g0530000	phosphoribulokinase/Uridine kinase family protein, expressed
LOC_Os08g41880	Os08g0531000	nucleotide pyrophosphatase/phosphodiesterase, putative, expressed
LOC_Os08g42000	Os08g0532300	nuclear transport factor, putative, expressed
LOC_Os08g42010	Os08g0532400	nodulin, putative, expressed
LOC_Os08g42100	Os08g0533600	ACT domain containing protein, expressed
LOC_Os08g42268	Os08g0534900	expressed protein
LOC_Os08g42320	Os08g0535100	expressed protein
LOC_Os08g42420	Os08g0536100	expressed protein
LOC_Os08g42550	Os08g0537900	AP2 domain containing protein, expressed
LOC_Os08g42720	Os08g0540000	solute carrier family 35 member F1, putative, expressed
LOC_Os08g43460	None	expressed protein
LOC_Os08g44010	Os08g0554000	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os08g44150	Os08g0555300	transmembrane 9 superfamily member, putative, expressed
LOC_Os08g44160	Os08g0555400	expressed protein
LOC_Os08g44170	Os08g0555500	transposon protein, putative, unclassified, expressed

LOC_Os08g44220	Os08g0556300	GLTP domain containing protein, putative, expressed
LOC_Os08g44280	Os08g0557000	protein-L-isoaspartate O-methyltransferase, putative, expressed
LOC_Os08g44370	Os08g0557900	inosine-uridine preferring nucleoside hydrolase family protein, putative, expressed
LOC_Os08g44380	Os08g0558000	L1P family of ribosomal proteins domain containing protein, expressed
LOC_Os08g44400	Os08g0558200	glutathione S-transferase, N-terminal domain containing protein, expressed
LOC_Os08g44410	Os08g0558300	harpin-induced protein 1 domain containing protein, expressed
LOC_Os08g44540	Os08g0559700	expressed protein
LOC_Os08g44560	Os08g0559900	expressed protein
LOC_Os08g45070	Os08g0564750	expressed protein
LOC_Os09g01140	Os09g0100800	expressed protein
LOC_Os09g01290	Os09g0101100	hhH-GPD superfamily base excision DNA repair protein, putative, expressed
LOC_Os09g01310	Os09g0101300	expressed protein
LOC_Os09g01330	None	expressed protein
LOC_Os09g01360	Os09g0101800	expressed protein
LOC_Os09g01370	None	transposon protein, putative, unclassified, expressed
LOC_Os09g01620	Os09g0103500	RNA pseudouridine synthase, putative, expressed
LOC_Os09g01650	Os09g0103800	peptidyl-prolyl cis-trans isomerase, FKBP-type, putative, expressed
LOC_Os09g01660	None	expressed protein
LOC_Os09g01690	Os09g0104300	expressed protein
LOC_Os09g02130	Os09g0108400	expressed protein
LOC_Os09g02140	Os09g0108600	expressed protein
LOC_Os09g02214	Os09g0109800	Citrate transporter protein, putative, expressed
LOC_Os09g02260	Os09g0110200	PPR repeat containing protein, putative, expressed
LOC_Os09g02350	None	expressed protein
LOC_Os09g02360	Os09g0111100	cyclin, putative, expressed
LOC_Os09g02380	None	expressed protein
LOC_Os09g02410	Os09g0111950, Os09g0112100	S-domain receptor-like protein kinase, putative, expressed
LOC_Os09g02430	None	expressed protein
LOC_Os09g02550	None	expressed protein

LOC_Os09g02640	None	expressed protein
LOC_Os09g02670	None	expressed protein
LOC_Os09g02729	Os09g0115600	phospholipase C, putative, expressed
LOC_Os09g02770	Os09g0115900	translation initiation factor IF-2, putative, expressed
LOC_Os09g02790	Os09g0116050	zinc-binding protein, putative, expressed
LOC_Os09g03990	Os09g0126600	expressed protein
LOC_Os09g04160	Os09g0128400	expressed protein
LOC_Os09g04300	Os09g0129400	expressed protein
LOC_Os09g04310	Os09g0129500	expressed protein
LOC_Os09g04440	Os09g0130800	DNA-binding protein, putative, expressed
LOC_Os09g04470	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os09g08150	None	expressed protein
LOC_Os09g08890	None	mitochondrial 60S ribosomal protein L5, putative, expressed
LOC_Os09g08990	Os09g0264400	cytochrome P450, putative, expressed
LOC_Os09g09320	Os09g0266000	nuclear transport factor, putative, expressed
LOC_Os09g09350	Os09g0266300	expressed protein
LOC_Os09g09360	Os09g0266400	esterase/lipase/thioesterase, putative, expressed
	Os09g0266600	BTBN18 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 NPH3 domain, expressed
LOC_Os09g09370	Os09g0267500	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os09g09470	Os09g0267600	SNF7 domain containing protein, putative, expressed
LOC_Os09g09480	None	expressed protein
LOC_Os09g09530	Os09g0272000	heavy metal transport/detoxification protein, putative, expressed
LOC_Os09g09930	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os09g10560	None	expressed protein
LOC_Os09g10600	Os09g0277800	enoyl-acyl-carrier-protein reductase NADH, chloroplast precursor, expressed
LOC_Os09g10630	Os09g0278100	expressed protein
LOC_Os09g10640	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os09g10650	Os09g0278300	phosphatidylinositol-4-phosphate 5-Kinase family protein, putative, expressed
LOC_Os09g10710	Os09g0279000	R-interacting factor 1, putative, expressed

LOC_Os09g10740	Os09g0279300	mitochondrial import inner membrane translocase subunit Tim17, putative, expressed
LOC_Os09g10820	Os09g0280300	oxidoreductase domain protein, putative, expressed
LOC_Os09g10850	Os09g0280600	meiotic coiled-coil protein 7, putative, expressed
LOC_Os09g10930	Os09g0281600	gamma response I protein, putative, expressed
	Os09g0282100,	
LOC_Os09g10980	Os09g0282300	ZOS9-02 - C2H2 zinc finger protein, expressed
LOC_Os09g10990	Os09g0282400	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os09g11000	None	expressed protein
LOC_Os09g11010	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os09g13610	Os09g0306700	PFT1, putative, expressed
LOC_Os09g13810	None	expressed protein
LOC_Os09g15330	Os09g0322000	transporter family protein, putative, expressed
LOC_Os09g15389	Os09g0322600	expressed protein
LOC_Os09g15480	Os09g0323500	Ser/Thr-rich protein T10 in DGCR region, putative, expressed
LOC_Os09g15530	Os09g0324100	expressed protein
	Os09g0325000,	
	Os09g0325140,	
LOC_Os09g15580	Os09g0325180	expressed protein
LOC_Os09g15590	Os09g0325220	OsFBX316 - F-box domain containing protein, expressed
LOC_Os09g17610	Os09g0344900	RING finger protein, putative, expressed
	Os09g0346600	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed
LOC_Os09g17750	None	expressed protein
LOC_Os09g17790	Os09g0348400	senescence-induced receptor-like serine/threonine-protein kinase precursor, putative, expressed
LOC_Os09g17880	None	expressed protein
LOC_Os09g19320	Os09g0361400,	isochorismate synthase 1, chloroplast precursor, putative, expressed
LOC_Os09g19734	Os09g0361500	
LOC_Os09g19750	Os09g0361700	expressed protein
LOC_Os09g19880	Os09g0363400	expressed protein

LOC_Os09g19970	Os09g0364400	expressed protein
LOC_Os09g19980	Os09g0364500	GTP binding protein, putative, expressed
LOC_Os09g20040	Os09g0365450	resistance-like protein I2GA-SH194-2, putative, expressed
LOC_Os09g20340	Os09g0368900	DUF630/DUF632 domains containing protein, putative, expressed
LOC_Os09g20360	None	expressed protein
LOC_Os09g20400	Os09g0369500	expressed protein
LOC_Os09g24200	Os09g0407200	RAD23 DNA repair protein, putative, expressed
LOC_Os09g24210	Os09g0407300	expressed protein
	Os09g0409950,	
	Os09g0410125,	
LOC_Os09g24440	Os09g0410300	expressed protein
	Os09g0411650	ribulose-1,5 bisphosphate carboxylase/oxygenase large subunit N-methyltransferase, chloroplast precursor, putative, expressed
LOC_Os09g24530	Os09g0411700	peptidyl-prolyl cis-trans isomerase, putative, expressed
LOC_Os09g24540	Os09g0412200	growth regulator related protein, putative, expressed
LOC_Os09g24570	Os09g0412900	pentatricopeptide, putative, expressed
LOC_Os09g24640	Os09g0413300	pentatricopeptide, putative, expressed
LOC_Os09g24680	Os09g0413600	expressed protein
LOC_Os09g24700	Os09g0414600	ZF-HD protein dimerisation region containing protein, expressed
LOC_Os09g24820	None	transposon protein, putative, unclassified, expressed
LOC_Os09g26060	Os09g0435250	zinc finger, C3HC4 type family protein, expressed
LOC_Os09g26470	None	transposon protein, putative, Ac/Ds sub-class, expressed
LOC_Os09g26680	None	transposon protein, putative, unclassified, expressed
LOC_Os09g26690	Os09g0438700	chaperonin, putative, expressed
LOC_Os09g26730	Os09g0439700	lung seven transmembrane domain containing protein, putative, expressed
LOC_Os09g26830	Os09g0440300	aldehyde dehydrogenase, putative, expressed
LOC_Os09g26880	Os09g0453100	expressed protein
LOC_Os09g27970	Os09g0458000	paramyosin, putative, expressed
LOC_Os09g28450	Os09g0459600	protein phosphatase protein, putative, expressed
LOC_Os09g28560	Os09g0460000	AGAP010609-PA, putative, expressed
LOC_Os09g28590		

LOC_Os09g28600	Os09g0460100	expressed protein
LOC_Os09g28840	Os09g0463100	OsSCP43 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os09g28850	Os09g0463300	expressed protein
LOC_Os09g29050	Os09g0465400	mitochondrial carrier protein, putative, expressed
LOC_Os09g29060	Os09g0465500	expressed protein
LOC_Os09g29100	Os09g0466100	cyclin, putative, expressed
LOC_Os09g29110	None	expressed protein
LOC_Os09g29200	Os09g0467200	glutathione S-transferase, putative, expressed
LOC_Os09g29390	Os09g0469300	plastocyanin-like domain containing protein, putative, expressed
LOC_Os09g29470	Os09g0470900	AGAP005770-PA, putative, expressed
LOC_Os09g31360	Os09g0488700	expressed protein
LOC_Os09g31410	Os09g0490400	Os9bglu29 - beta-glucosidase homologue, similar to Os4bglu12 exoglucanase, expressed
LOC_Os09g31482	Os09g0491756	splicing factor U2AF, putative, expressed
LOC_Os09g32010	Os09g0493400	ternary complex factor MIP1, putative, expressed
LOC_Os09g32020	Os09g0493500	ubiquitin fusion degradation protein, putative, expressed
LOC_Os09g32080	Os09g0494200	CHIT13 - Chitinase family protein precursor, expressed
LOC_Os09g32095	Os09g0494500	expressed protein
LOC_Os09g32150	Os09g0495500	expressed protein
LOC_Os09g32220	Os09g0497400	pob, putative, expressed
LOC_Os09g32300	Os09g0498600	KH domain-containing protein, putative, expressed
LOC_Os09g32310	Os09g0498700	expressed protein
LOC_Os09g32340	None	expressed protein
LOC_Os09g32570	Os09g0502500	alcohol dehydrogenase GroES-like domain containing protein, expressed
LOC_Os09g32590	Os09g0502700	expressed protein
LOC_Os09g32740	Os09g0505100	ubiquitin carboxyl-terminal hydrolase family protein, expressed
LOC_Os09g32800	Os09g0505600	peptidase, T1 family, putative, expressed
LOC_Os09g32810	Os09g0505700	ribulose-phosphate 3-epimerase, putative, expressed
LOC_Os09g32850	None	expressed protein
LOC_Os09g33510	Os09g0509300	hydroxyproline-rich glycoprotein family protein, putative, expressed
LOC_Os09g33640	Os09g0511200	expressed protein

LOC_Os09g33690	Os09g0511700	Os9bglu32 - beta-glucosidase homologue, similar to G
LOC_Os09g33820	Os09g0513100	lecithine cholesterol acyltransferase, putative, expressed
LOC_Os09g33980	Os09g0515100	bromodomain protein 103, putative, expressed
LOC_Os09g33986	Os09g0515200	peptidase, T1 family, putative, expressed
LOC_Os09g33992	Os09g0515300	expressed protein
LOC_Os09g34010	Os09g0515500	expressed protein
LOC_Os09g34070	Os09g0516300	RNA recognition motif containing protein, expressed
LOC_Os09g34150	Os09g0517100	NBS-LRR disease resistance protein, putative, expressed
LOC_Os09g36890	Os09g0540500	hydroxyproline-rich glycoprotein family protein, putative, expressed
LOC_Os09g38400	Os09g0556300	prostatic spermine-binding protein precursor, putative, expressed
LOC_Os09g38410	Os09g0556400	sialin, putative, expressed
	Os09g0565300,	
LOC_Os09g39190	Os09g0565350	OsFBO22 - F-box and other domain containing protein, expressed
LOC_Os09g39360	Os09g0567100	expressed protein
LOC_Os09g39410	Os09g0567500	male sterility protein, putative, expressed
LOC_Os09g39940	Os09g0572700	plastocyanin-like domain containing protein, putative, expressed
LOC_Os10g01044	Os10g0100300	isoflavone reductase, putative, expressed
LOC_Os10g01100	Os10g0101000	receptor-like protein kinase, putative, expressed
LOC_Os10g01134	Os10g0101200	OsSCP46 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os10g01240	Os10g0101800	VQ domain containing protein, putative, expressed
LOC_Os10g03260	None	expressed protein
LOC_Os10g03550	Os10g0124100	expressed protein
LOC_Os10g03620	Os10g0124700	OsFBX344 - F-box domain containing protein, expressed
	Os10g0125300,	
LOC_Os10g03660	Os10g0125400	OsFBX345 - F-box domain containing protein, expressed
LOC_Os10g06510	Os10g0153900	cyclin-dependent kinase G-1, putative, expressed
LOC_Os10g06540	Os10g0154000	vesicle-associated membrane protein, putative, expressed
LOC_Os10g06600	Os10g0154533	expressed protein
LOC_Os10g06770	Os10g0155900	expressed protein
LOC_Os10g06910	Os10g0157000	expressed protein

LOC_Os10g07210	Os10g0159700	hsp20/alpha crystallin family protein, putative, expressed
LOC_Os10g07430	Os10g0161700	expressed protein
LOC_Os10g07440	Os10g0161800	expressed protein
LOC_Os10g07450	Os10g0162100	expressed protein
LOC_Os10g07546	None	expressed protein
LOC_Os10g08400	None	expressed protein
LOC_Os10g08580	Os10g0167600	FAD binding domain of DNA photolyase domain containing protein, expressed
LOC_Os10g08590	None	expressed protein
LOC_Os10g08710	None	chalcone synthase, putative, expressed
LOC_Os10g08780	Os10g0169200	expressed protein
LOC_Os10g08840	Os10g0169800	hydrolase, alpha/beta fold family domain containing protein, expressed
LOC_Os10g09820	Os10g0177000	no apical meristem protein, putative, expressed
LOC_Os10g09850	Os10g0177200	EF hand family protein, putative, expressed
LOC_Os10g09910	Os10g0177800	expressed protein
LOC_Os10g09920	Os10g0178000	LTPL132 - Protease inhibitor/seed storage/LTP family protein precursor, putative, expressed
LOC_Os10g10000	None	expressed protein
LOC_Os10g10020	None	expressed protein
LOC_Os10g10180	Os10g0181600	methyltransferase domain containing protein, putative, expressed
LOC_Os10g10244	Os10g0182000	alanyl-tRNA synthetase, putative, expressed
LOC_Os10g10260	Os10g0182100	expressed protein
LOC_Os10g10320	Os10g0182700	expressed protein
LOC_Os10g10550	None	hypothetical protein
LOC_Os10g13690	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os10g17690	Os10g0324100	NB-ARC domain containing protein, expressed
LOC_Os10g17950	Os10g0326900	TKL_IRAK_DUF26-lc
LOC_Os10g17990	Os10g0327300	phosphatidate cytidylyltransferase, putative, expressed
LOC_Os10g18070	Os10g0327800	expressed protein
LOC_Os10g18080	None	expressed protein
LOC_Os10g18084	None	expressed protein

LOC_Os10g21196	None	chloroplast 30S ribosomal protein S16, putative, expressed
LOC_Os10g21398	None	NADPH-dependent oxidoreductase, putative, expressed
LOC_Os10g21574	Os10g0359801	expressed protein
LOC_Os10g21930	Os10g0363600	OsFBK21 - F-box domain and kelch repeat containing protein, expressed
	Os10g0363650,	expressed protein
LOC_Os10g21940	Os10g0363700	yippee zinc-binding protein, putative, expressed
LOC_Os10g22410	Os10g0369500	MLA1, putative, expressed
LOC_Os10g22510	Os10g0370400	cellulase, putative, expressed
LOC_Os10g22520	Os10g0370500	POEI24 - Pollen Ole e I allergen and extensin family protein precursor, expressed
LOC_Os10g22590	Os10g0371000	expressed protein
LOC_Os10g22740	Os10g0373300	receptor kinase, putative, expressed
LOC_Os10g22860	Os10g0374600	hypothetical protein
LOC_Os10g22880	None	receptor-like kinase, putative, expressed
LOC_Os10g22890	Os10g0375000	calmodulin-binding transcription activator, putative, expressed
LOC_Os10g22950	Os10g0375600	hypothetical protein
LOC_Os10g23020	Os10g0376600	expressed protein
LOC_Os10g23060	Os10g0377000	pyridoxamine 5'-phosphate oxidase family protein, putative, expressed
LOC_Os10g23120	Os10g0377800	cytochrome P450 88A1, putative, expressed
LOC_Os10g23130	Os10g0378000	AT hook-containing MAR binding 1, putative, expressed
LOC_Os10g23230	Os10g0378450	retrotransposon protein, putative, unclassified
LOC_Os10g24490	None	expressed protein
LOC_Os10g27460	None	OsPOP22 - Putative Prolyl Oligopeptidase homologue, expressed
LOC_Os10g28030	Os10g0415800	histone acetyltransferase GCN5, putative, expressed
LOC_Os10g28040	Os10g0415900	glycosyl hydrolase, putative, expressed
LOC_Os10g28080	Os10g0416500	TATA-binding protein, putative, expressed
LOC_Os10g29660	Os10g0432300	expressed protein
LOC_Os10g29670	Os10g0432400	MBTB60 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with Meprin and TRAF Homology MATH domain, expressed
LOC_Os10g29850	Os10g0435400	ENT domain containing protein, expressed
LOC_Os10g30054	Os10g0436800,	

LOC_Os10g30550	Os10g0436850	
LOC_Os10g30560	Os10g0442100	tRNA methyltransferase, putative, expressed
LOC_Os10g30640	Os10g0442400	UDP-glucoronosyl and UDP-glucosyl transferase domain containing protein, expressed
LOC_Os10g30970	Os10g0443200	translin, putative, expressed
LOC_Os10g31030	Os10g0446800	expressed protein
LOC_Os10g31050	Os10g0447600	EMB1691, putative, expressed
LOC_Os10g32080	Os10g0448000	expressed protein
LOC_Os10g33440	Os10g0458900	xyloglucan galactosyltransferase KATAMARI1, putative, expressed
LOC_Os10g33450	Os10g0473950	NB-ARC domain containing protein, expressed
LOC_Os10g33460	Os10g0474000	expressed protein
LOC_Os10g35780	Os10g0474100, Os10g0474900	alcohol oxidase, putative, expressed
LOC_Os10g37690	None	expressed protein
LOC_Os10g37720	Os10g0521300	inner membrane protein, putative, expressed
LOC_Os10g38370	Os10g0521500	hydrolase, alpha/beta fold family protein, putative, expressed
LOC_Os10g39430	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os10g40920	Os10g0539700	expressed protein
LOC_Os10g40934	Os10g0558600	pentatricopeptide, putative, expressed
LOC_Os10g41030	Os10g0558700, Os10g0558750	flavonol synthase/flavanone 3-hydroxylase, putative, expressed
LOC_Os10g41160	Os10g0559600, Os10g0559700	agenet domain containing protein, putative, expressed
LOC_Os10g41200	Os10g0561000	expressed protein
LOC_Os10g41440	Os10g0561400	MYB family transcription factor, putative, expressed
LOC_Os10g41510	Os10g0564000	KH domain containing protein, putative, expressed
LOC_Os10g42500	Os10g0564800	calcineurin B, putative, expressed
LOC_Os10g42510	Os10g0575700	PAP fibrillin family domain containing protein, expressed
LOC_Os10g42520	Os10g0575800	expressed protein
LOC_Os10g42540	Os10g0575900	expressed protein
	Os10g0576000	expressed protein

LOC_Os10g42690	Os10g0577600	jmjC domain containing protein, expressed
LOC_Os10g42810	None	hypothetical protein
LOC_Os10g42820	Os10g0579100	early-responsive to dehydration protein-related, putative, expressed
LOC_Os10g42830	Os10g0579200	transporter family protein, putative, expressed
LOC_Os10g42840	Os10g0579300	NADH dehydrogenase 1 alpha subcomplex subunit 12, putative, expressed
LOC_Os10g43075	Os10g0581000	expressed protein
LOC_Os11g01010	Os11g0100100	autophagy-related protein 8D, putative, expressed
LOC_Os11g01040	Os11g0100600	monoglyceride lipase, putative, expressed
LOC_Os11g01050	Os11g0100800	exo70 exocyst complex subunit domain containing protein, expressed
LOC_Os11g01060	None	expressed protein
LOC_Os11g01170	Os11g0102600	tonneau 1b, putative, expressed
LOC_Os11g01180	Os11g0102700	ulp1 protease family protein, putative, expressed
	Os11g0102900	senescence-induced receptor-like serine/threonine-protein kinase precursor, putative, expressed
LOC_Os11g01200	Os11g0103550	expressed protein
LOC_Os11g01260	Os11g0103700	mitochondrial substrate carrier family protein, putative, expressed
LOC_Os11g01270	Os11g0106100	MYB family transcription factor, putative, expressed
LOC_Os11g01480	Os11g0106200	outer membrane protein, OMP85 family, putative, expressed
LOC_Os11g01490	Os11g0106700	ferritin-1, chloroplast precursor, putative, expressed
LOC_Os11g01530	Os11g0106800	expressed protein
LOC_Os11g01540	Os11g0107000	PMR5, putative, expressed
LOC_Os11g01570	Os11g0107600	prenylated rab acceptor, putative, expressed
LOC_Os11g01610	None	expressed protein
LOC_Os11g01660	None	expressed protein
LOC_Os11g01670	Os11g0108800	serine/threonine-protein kinase, putative, expressed
LOC_Os11g01740	Os11g0110066	expressed protein
LOC_Os11g01880	Os11g0110100	expressed protein
LOC_Os11g01890	Os11g0111800	ACT domain containing protein, expressed
LOC_Os11g02054	Os11g0112000	expressed protein
LOC_Os11g02080	Os11g0112100	expressed protein
LOC_Os11g02090		

LOC_Os11g02110	Os11g0112300	expressed protein
LOC_Os11g02165	None	LTPL57 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os11g02180	Os11g0113100	dual specificity protein phosphatase, putative, expressed
LOC_Os11g02190	Os11g0113200	expressed protein
LOC_Os11g02220	Os11g0113500	retrotransposon protein, putative, SINE subclass
LOC_Os11g02270	Os11g0114150	expressed protein
LOC_Os11g02290	Os11g0114300	expressed protein
LOC_Os11g02320	Os11g0114700	nucleotidyltransferase, putative, expressed
LOC_Os11g03060	Os11g0123500	SNF7 domain containing protein, putative, expressed
LOC_Os11g03900	Os11g0133700	glucosamine--fructose-6-phosphate aminotransferase 1, putative, expressed
LOC_Os11g03910	Os11g0133800	zinc finger DHHC domain-containing protein, putative, expressed
	Os11g0134232,	CAMK_KIN1/SNF1/Nim1_like 5 - CAMK includes calcium/calmodulin dependent protein
LOC_Os11g03970	Os11g0134300	kinases, expressed
LOC_Os11g03990	Os11g0134500	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os11g04130	None	nodulin MtN21 family protein, putative, expressed
LOC_Os11g04180	Os11g0136800	dual specificity protein phosphatase, putative, expressed
LOC_Os11g04210	Os11g0137200	hydroxymethylglutaryl-CoA lyase, putative, expressed
LOC_Os11g04230	Os11g0137400	transcription initiation factor, putative, expressed
LOC_Os11g04270	None	zinc finger, C3HC4 type domain containing protein
LOC_Os11g04280	Os11g0137666	expressed protein
LOC_Os11g04370	Os11g0139100	ribosomal protein L24, putative, expressed
LOC_Os11g04390	Os11g0139500	RNA recognition motif containing protein, expressed
LOC_Os11g05050	Os11g0147800	stem-specific protein TSJT1, putative, expressed
LOC_Os11g05100	Os11g0148400	nucleolar GTPase, putative, expressed
LOC_Os11g05160	Os11g0149100	DNA binding protein, putative, expressed
LOC_Os11g05270	None	hypothetical protein
LOC_Os11g05280	Os11g0150200	expressed protein
LOC_Os11g05290	Os11g0150400	stress responsive A/B Barrel domain containing protein, expressed
LOC_Os11g05340	Os11g0151002	transposon protein, putative, unclassified, expressed
LOC_Os11g05580	Os11g0154100	expressed protein

LOC_Os11g05780	Os11g0156401	DUF623 domain containing protein, expressed
LOC_Os11g05800	Os11g0156600	HVA22, putative, expressed
LOC_Os11g05810	Os11g0156700	expressed protein
LOC_Os11g05850	Os11g0157100	cyclin-T1-3, putative, expressed
LOC_Os11g05860	Os11g0157200	harpin-induced protein 1 domain containing protein, expressed
LOC_Os11g05880	Os11g0157400	exo70 exocyst complex subunit, putative, expressed
LOC_Os11g05960	None	expressed protein
LOC_Os11g05970	Os11g0158200	pyridine nucleotide-disulphide oxidoreductase family protein, putative, expressed
LOC_Os11g05980	Os11g0158300	tetratricopeptide-like helical, putative, expressed
LOC_Os11g05990	Os11g0158400	digalactosyldiacylglycerol synthase, chloroplast precursor, putative, expressed
LOC_Os11g06040	Os11g0159000	PX domain containing protein, putative, expressed
LOC_Os11g06170	Os11g0160500	bZIP transcriptional activator RSG, putative, expressed
LOC_Os11g06330	None	expressed protein
LOC_Os11g06340	Os11g0162200	ubiquinol-cytochrome C reductase hinge protein, putative, expressed
LOC_Os11g06410	Os11g0163500	homeodomain, putative, expressed
LOC_Os11g06440	Os11g0163800	expressed protein
LOC_Os11g06450	None	hypothetical protein
LOC_Os11g06690	Os11g0167500	serine esterase family protein, putative, expressed
LOC_Os11g06730	Os11g0168000	ECAGL2 - ECA1 gametogenesis related family protein precursor, expressed
LOC_Os11g06740	Os11g0168100	syntaxin 6, putative, expressed
LOC_Os11g06840	Os11g0169400	ZOS11-01 - C2H2 zinc finger protein, expressed
LOC_Os11g06870	Os11g0169700	glyoxal oxidase-related, putative, expressed
LOC_Os11g06900	Os11g0170000	amidase family protein, putative, expressed
	Os11g0171000,	
LOC_Os11g06990	Os11g0171050	expressed protein
LOC_Os11g07030	Os11g0171400	integrator complex subunit 3, putative, expressed
LOC_Os11g07050	Os11g0171700	FHA domain containing protein, putative, expressed
LOC_Os11g07220	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os11g07970	Os11g0182400	OsFBW2 - F-box domain and WD40 repeat containing protein, expressed
LOC_Os11g07980	Os11g0182500	ion channel nompc, putative, expressed

LOC_Os11g08050	Os11g0183150, Os11g0183350	expressed protein
LOC_Os11g08070	None	ankyrin repeat family protein, putative, expressed
LOC_Os11g08090	Os11g0183800	expressed protein
LOC_Os11g08100	Os11g0183900	eukaryotic aspartyl protease domain containing protein, expressed
LOC_Os11g08170	Os11g0184400	DEFL45 - Defensin and Defensin-like DEFL family, expressed
LOC_Os11g08220	Os11g0185100	DEFL28 - Defensin and Defensin-like DEFL family, expressed
LOC_Os11g08314	Os11g0186300	methyltransferase, putative, expressed
LOC_Os11g08350	Os11g0186600	expressed protein
LOC_Os11g08360	Os11g0186700	expressed protein
LOC_Os11g08370	Os11g0186800	transporter, major facilitator family, putative, expressed
LOC_Os11g08400	Os11g0187100	expressed protein
LOC_Os11g08680	Os11g0191500	expressed protein
LOC_Os11g08707	Os11g0191800	expressed protein
LOC_Os11g08750	Os11g0192400	pectinesterase, putative, expressed
LOC_Os11g08760	Os11g0192500	pectinesterase family protein, expressed
LOC_Os11g08940	Os11g0194800	RNA polymerases N 8 kDa subunit, putative, expressed
LOC_Os11g08950	Os11g0194900	protein kinase family protein, putative, expressed
LOC_Os11g08980	Os11g0195100	preprotein translocase secA family protein, putative, expressed
LOC_Os11g09800	None	expressed protein
LOC_Os11g10910	Os11g0215400	chloroplast nucleoid DNA-binding protein, putative, expressed
LOC_Os11g10920	Os11g0215600	carboxyl-terminal proteinase, putative, expressed
LOC_Os11g11180	None	expressed protein
LOC_Os11g11720	Os11g0224532	serpin domain containing protein, putative, expressed
LOC_Os11g12360	Os11g0229900	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os11g12530	Os11g0232100	receptor-like protein kinase 5 precursor, putative, expressed
LOC_Os11g12580	None	conserved hypothetical protein
LOC_Os11g12600	None	expressed protein
LOC_Os11g12760	None	O-methyltransferase, putative, expressed
LOC_Os11g13410	Os11g0237600	mla1, putative, expressed

LOC_Os11g13680	Os11g0240800	expressed protein
LOC_Os11g13750	Os11g0241700	expressed protein
LOC_Os11g13830	None	expressed protein
LOC_Os11g13870	Os11g0242600	plant-specific domain TIGR01627 family protein, expressed
LOC_Os11g13880	Os11g0242700	expressed protein
LOC_Os11g13890	Os11g0242800	chlorophyll A-B binding protein, putative, expressed
LOC_Os11g13934	Os11g0243600	expressed protein
LOC_Os11g13940	Os11g0243750	NBS-LRR disease resistance protein, putative, expressed
LOC_Os11g16450	Os11g0265800	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os11g16540	Os11g0266800	tetratricopeptide repeat domain containing protein, expressed
LOC_Os11g16550	Os11g0267000	uncharacterized protein ycf53, putative, expressed
LOC_Os11g17014	Os11g0270500	NB-ARC domain containing protein, expressed
LOC_Os11g17940	Os11g0282600	expressed protein
LOC_Os11g17970	Os11g0282800	POT family protein, expressed
LOC_Os11g19250	Os11g0298400	AARP2CN domain containing protein, expressed
LOC_Os11g19280	None	hypothetical protein
LOC_Os11g19290	Os11g0298800	lipase, putative, expressed
LOC_Os11g19300	Os11g0298866,	transposon protein, putative, Mutator sub-class, expressed
	Os11g0298900	
LOC_Os11g19454	None	hypothetical protein
LOC_Os11g19480	Os11g0300600	receptor protein kinase-like protein At4g34220 precursor, putative, expressed
LOC_Os11g19710	None	expressed protein
LOC_Os11g19730	Os11g0302800	expressed protein
LOC_Os11g19740	None	expressed protein
LOC_Os11g19810	Os11g0303500	PWWP domain containing protein, expressed
LOC_Os11g20050	None	expressed protein
LOC_Os11g20100	None	expressed protein
LOC_Os11g20330	Os11g0308600	expressed protein
LOC_Os11g26340	Os11g0449600	RALFL24 - Rapid ALkalinization Factor RALF family protein precursor, expressed
LOC_Os11g26350	Os11g0450050	expressed protein

LOC_Os11g26580	None	MEGL18 - Maternally expressed gene MEG family protein precursor, putative, expressed
LOC_Os11g26725	None	expressed protein
LOC_Os11g31610	None	expressed protein
LOC_Os11g31870	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os11g34000	None	hypothetical protein
LOC_Os11g34110	Os11g0543500	heparan-alpha-glucosaminide N-acetyltransferase, putative, expressed
LOC_Os11g34130	Os11g0544000	expressed protein
LOC_Os11g34470	None	expressed protein
LOC_Os11g34860	Os11g0549700	palmitoyltransferase TIP1, putative, expressed
LOC_Os11g35030	Os11g0551900	growth regulating factor protein, putative, expressed
LOC_Os11g35090	Os11g0552600	kinesin motor domain containing protein, putative, expressed
LOC_Os11g35100	None	conserved hypothetical protein
LOC_Os11g35320	Os11g0557300	BSD domain-containing protein, putative, expressed
LOC_Os11g38840	None	expressed protein
LOC_Os11g40650	None	expressed protein
LOC_Os11g41820	Os11g0636900	RNA recognition motif containing protein, expressed
LOC_Os11g43770	Os11g0659000	Leucine Rich Repeat family protein, expressed
	Os11g0679900,	
LOC_Os11g45410	Os11g0680200	expressed protein
LOC_Os11g45600	Os11g0682400	rust resistance protein Rp1-dp8, putative, expressed
LOC_Os11g47830	Os11g0704700	RNA recognition motif containing protein, expressed
	Os12g0102300,	
LOC_Os12g01180	Os12g0102350	WRKY57, expressed
	Os12g0106700,	
LOC_Os12g01590	Os12g0106801	expressed protein
LOC_Os12g01600	None	retrotransposon protein, putative, unclassified, expressed
	Os12g0109100,	
LOC_Os12g01820	Os12g0109150	ATCHX, putative, expressed
LOC_Os12g01955	Os12g0110475	expressed protein
LOC_Os12g04390	None	hypothetical protein

LOC_Os12g05715	Os12g0153433	expressed protein
LOC_Os12g07890	None	expressed protein
LOC_Os12g09455	Os12g0196300	expressed protein
LOC_Os12g09510	Os12g0196800	hypothetical protein
LOC_Os12g09540	Os12g0197100	phosphoribosylamine--glycine ligase, putative, expressed
LOC_Os12g09580	Os12g0197500	leafbladeless1, putative, expressed
LOC_Os12g09590	Os12g0197700	leafbladeless1, putative, expressed
LOC_Os12g09700	Os12g0198700	Jacalin-like lectin domain containing protein, putative, expressed
LOC_Os12g12170	Os12g0223300	cytochrome b5-like Heme/Steroid binding domain containing protein, expressed
LOC_Os12g12220	None	DEFL18 - Defensin and Defensin-like DEFL family, expressed
LOC_Os12g12260	Os12g0224000	diacylglycerol kinase 1, putative, expressed
LOC_Os12g12300	Os12g0224500	EDM2, putative, expressed
LOC_Os12g12370	Os12g0225200	outer envelope protein, putative, expressed
LOC_Os12g12470	Os12g0225900	NADP-dependent oxidoreductase, putative, expressed
LOC_Os12g12854	Os12g0230133	expressed protein
LOC_Os12g12950	Os12g0231100	expressed protein
LOC_Os12g13000	Os12g0231800	expressed protein
LOC_Os12g13030	Os12g0232300	osFTL7 FT-Like7 homologous to Flowering Locus T gene; contains Pfam profile PF01161: Phosphatidylethanolamine-binding protein, expressed
LOC_Os12g13120	Os12g0233300	histidine triad family protein, putative, expressed
LOC_Os12g13250	None	expressed protein
LOC_Os12g13360	Os12g0236250	cullin-1, putative, expressed
LOC_Os12g14630	None	retrotransposon protein, putative, LINE subclass, expressed
LOC_Os12g14939	None	expressed protein
LOC_Os12g15520	Os12g0257500	expressed protein
LOC_Os12g16080	Os12g0261300	expressed protein
LOC_Os12g16120	None	expressed protein
LOC_Os12g16160	Os12g0262400	CCT motif family protein, expressed
LOC_Os12g16180	Os12g0262700	lipase, putative, expressed
LOC_Os12g16190	None	expressed protein

LOC_Os12g16200	Os12g0263000	glutathione synthetase, chloroplast precursor, putative, expressed
LOC_Os12g16210	Os12g0263100	zinc finger family protein, putative, expressed
LOC_Os12g17280	None	expressed protein
LOC_Os12g17600	Os12g0274700	ribulose bisphosphate carboxylase small chain, chloroplast precursor, putative, expressed
LOC_Os12g17880	Os12g0277000	armadillo/beta-catenin repeat protein-related, putative, expressed
LOC_Os12g17930	Os12g0277725	expressed protein
LOC_Os12g17950	Os12g0277900	expressed protein
LOC_Os12g18120	Os12g0278800	zinc finger C-x8-C-x5-C-x3-H type family protein, expressed
LOC_Os12g18900	Os12g0287300	aminotransferase, putative, expressed
LOC_Os12g19030	Os12g0288400	copine, putative, expressed
LOC_Os12g19040	Os12g0288600	expressed protein
LOC_Os12g19110	None	expressed protein
LOC_Os12g19170	Os12g0289301	expressed protein
LOC_Os12g19260	Os12g0289800	tetratricopeptide-like helical, putative, expressed
LOC_Os12g19270	Os12g0289900	expressed protein
LOC_Os12g19590	Os12g0294100	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os12g21560	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os12g24910	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os12g25230	None	hypothetical protein
LOC_Os12g27440	Os12g0460100	expressed protein
LOC_Os12g27470	Os12g0460400	expressed protein
LOC_Os12g27750	Os12g0463500	OsFBX441 - F-box domain containing protein, expressed
LOC_Os12g27950	Os12g0465200	expressed protein
LOC_Os12g28015	Os12g0466200	expressed protein
LOC_Os12g29470	None	hypothetical protein
LOC_Os12g29480	Os12g0478900	SAM domain containing protein, putative, expressed
LOC_Os12g29660	Os12g0481100	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os12g29750	Os12g0482600	protein of unknown function DUF502 domain containing protein, expressed
LOC_Os12g29760	Os12g0482700	oxidoreductase, aldo/keto reductase family protein, putative, expressed
LOC_Os12g30110	None	hypothetical protein

LOC_Os12g31420	None	expressed protein
LOC_Os12g33946	None	cytochrome c oxidase subunit 1, putative, expressed
LOC_Os12g38100	Os12g0568700	membrane associated DUF588 domain containing protein, putative, expressed
LOC_Os12g38110	Os12g0568800	importin subunit beta, putative, expressed
LOC_Os12g38120	Os12g0568900	thaumatin family domain containing protein, expressed
LOC_Os12g38140	Os12g0569200	expressed protein
LOC_Os12g38320	Os12g0571300	expressed protein
LOC_Os12g40070	Os12g0591300	B3 DNA binding domain containing protein, expressed
LOC_Os12g40100	Os12g0591600	expressed protein
	Os12g0592700,	expressed protein
LOC_Os12g40160	Os12g0592766	expressed protein
LOC_Os12g40330	Os12g0594950	expressed protein
LOC_Os12g40340	Os12g0595000	EXS family protein, putative, expressed
LOC_Os12g40390	Os12g0595600	expressed protein
LOC_Os12g40540	Os12g0597400	FAD dependent oxidoreductase, putative, expressed
LOC_Os12g40840	Os12g0600701	expressed protein
LOC_Os12g40910	Os12g0601500	expressed protein
	Os12g0609500	oxidoreductase, short chain dehydrogenase/reductase family domain containing protein, expressed
LOC_Os12g41590	Os12g0609800	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os12g41620	Os12g0612100	VTC2, putative, expressed
LOC_Os12g41800	Os12g0613200	SET domain containing protein, expressed
LOC_Os12g41900	Os12g0615900	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os12g42150	Os12g0616000	kinesin motor domain containing protein, putative, expressed

Private genes (DUPs) in japonica against rufipogon

LOC_Os01g01430	Os01g0104200	No apical meristem protein, putative, expressed
LOC_Os01g01520	Os01g0104900	transferase family protein, putative, expressed
LOC_Os01g01530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g02240	None	transposon protein, putative, unclassified, expressed

LOC_Os01g03720	Os01g0128000	MYB family transcription factor, putative, expressed
LOC_Os01g04750	Os01g0140700	B3 DNA binding domain containing protein, expressed
LOC_Os01g06800	None	expressed protein
LOC_Os01g07870	Os01g0173900	ABC transporter family protein, putative, expressed
LOC_Os01g10030	Os01g0196800	expressed protein
LOC_Os01g11190	None	expressed protein
LOC_Os01g11330	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os01g13300	Os01g0234100	B3 DNA binding domain containing protein, expressed
LOC_Os01g13840	None	PE-PGRS family protein, putative, expressed
LOC_Os01g14910	None	expressed protein
LOC_Os01g15420	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g17060	Os01g0278200	expressed protein
LOC_Os01g18250	None	subtilase, putative, expressed
LOC_Os01g19640	None	retrotransposon protein, putative, Ty3-gypsy subclass
LOC_Os01g19840	Os01g0304000	60S ribosomal protein L29-2, putative, expressed
LOC_Os01g21320	Os01g0315800	NAD dependent epimerase/dehydratase family domain containing protein, expressed
LOC_Os01g24080	Os01g0343400	expressed protein
LOC_Os01g31629	Os01g0501000	expressed protein
LOC_Os01g32530	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os01g32550	None	hypothetical protein
LOC_Os01g33900	None	expressed protein
LOC_Os01g34620	Os01g0530400	OsGrx_S15 1 - glutaredoxin subgroup II, expressed
LOC_Os01g36340	None	expressed protein
LOC_Os01g37670	Os01g0557400	OsFBX15 - F-box domain containing protein, expressed
LOC_Os01g37690	Os01g0557500	sodium/calcium exchanger protein, putative, expressed
LOC_Os01g39280	None	expressed protein
LOC_Os01g40180	None	expressed protein
LOC_Os01g40499	Os01g0587400	S-locus lectin protein kinase family protein, putative, expressed
LOC_Os01g50710	None	hypothetical protein
LOC_Os01g63680	Os01g0855400	MYB family transcription factor, putative, expressed

LOC_Os01g64010	Os01g0859400	dual specificity protein phosphatase, putative, expressed
LOC_Os01g64860	Os01g0868900	OsSub11 - Putative Subtilisin homologue, expressed
LOC_Os01g64870	Os01g0869000	expressed protein
LOC_Os01g66600	Os01g0889800	rhodanese-like, putative, expressed
LOC_Os01g67620	None	expressed protein
LOC_Os01g69050	Os01g0919600	lysine ketoglutarate reductase trans-splicing related 1, putative, expressed
LOC_Os01g70130	Os01g0925700	protein kinase domain containing protein, expressed
LOC_Os01g71020	Os01g0936400	expressed protein
LOC_Os01g71170	Os01g0937900	classical arabinogalactan protein 26 precursor, putative, expressed
LOC_Os01g73390	None	expressed protein
LOC_Os02g01010	Os02g0100100	OsPDIL1-4 protein disulfide isomerase PDIL1-4, expressed
LOC_Os02g01020	Os02g0100200	expressed protein
LOC_Os02g03280	Os02g0125300	transmembrane BAX inhibitor motif-containing protein, putative, expressed
LOC_Os02g05140	None	expressed protein
LOC_Os02g06100	None	expressed protein
LOC_Os02g07320	Os02g0169500	expressed protein
LOC_Os02g07650	Os02g0172800	zinc-binding protein, putative, expressed
LOC_Os02g08040	None	expressed protein
LOC_Os02g24380	None	hypothetical protein
LOC_Os02g24390	None	expressed protein
LOC_Os02g24400	None	expressed protein
LOC_Os02g26400	Os02g0462300, Os02g0462401	nuclease, EndA/NucM family protein, expressed
LOC_Os02g41860	Os02g0629200	aquaporin protein, putative, expressed
LOC_Os02g47330	Os02g0701750	expressed protein
LOC_Os02g48020	None	expressed protein
LOC_Os02g51799	Os02g0754400	MYB family transcription factor, putative, expressed
LOC_Os03g04340	Os03g0136200	C-methyltransferase, putative, expressed
LOC_Os03g04350	None	expressed protein
LOC_Os03g04990	Os03g0143700	expressed protein

LOC_Os03g05210	Os03g0145600	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os03g05220	Os03g0145700	expressed protein
LOC_Os03g05225	Os03g0166100	expressed protein
LOC_Os03g06990	Os03g0194100	oxidoreductase, putative, expressed
LOC_Os03g09840	Os03g0204432	C2 domain containing protein, putative, expressed
LOC_Os03g10710	Os03g0204500	expressed protein
LOC_Os03g13070	Os03g0233200	thaumatin family domain containing protein, expressed
LOC_Os03g18050	Os03g0290100	OsSAUR13 - Auxin-responsive SAUR gene family member, expressed
LOC_Os03g19380	Os03g0306800	calvin cycle protein CP12, putative, expressed
LOC_Os03g19960	Os03g0314100	ATP-dependent RNA helicase, putative, expressed
LOC_Os03g21990	Os03g0339100	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os03g25750	Os03g0374400	SNARE associated Golgi protein, putative, expressed
LOC_Os03g25760	Os03g0374500	calmodulin-binding protein, putative, expressed
LOC_Os03g41570	None	transposon protein, putative, unclassified, expressed
LOC_Os03g41580	None	transposon protein, putative, CACTA, En/Spm sub-class
LOC_Os03g55570	Os03g0764450	upstream activation factor subunit spp27, putative, expressed
LOC_Os03g56270	Os03g0773700	receptor protein kinase CLAVATA1 precursor, putative, expressed
LOC_Os03g57799	None	transposon protein, putative, CACTA, En/Spm sub-class, expressed
LOC_Os04g01130	Os04g0101300	chromatin modification-related protein EAF3, putative, expressed
LOC_Os04g01140	Os04g0101400	cytochrome P450 93A2, putative, expressed
LOC_Os04g02660	Os04g0117000	retrotransposon protein, putative, unclassified
LOC_Os04g19500	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os04g20220	Os04g0270100	elongation factor Tu, putative, expressed
LOC_Os04g20230	Os04g0270200	neighbor of COX4, putative, expressed
LOC_Os04g23440	Os04g0300600	helix-loop-helix DNA-binding domain containing protein, expressed
LOC_Os04g32000	Os04g0389600	expressed protein
LOC_Os04g38610	Os04g0459600	RAN guanine nucleotide release factor, putative, expressed
LOC_Os04g44020	Os04g0520800	expressed protein
LOC_Os04g44050	None	expressed protein
LOC_Os04g44070	Os04g0521300	expressed protein

LOC_Os04g45240	Os04g0535000	expressed protein
LOC_Os04g59600	Os04g0692500	pentatricopeptide, putative, expressed
LOC_Os05g02360	None	hypothetical protein
LOC_Os05g04100	None	expressed protein
LOC_Os05g05530	Os05g0148000	expressed protein
LOC_Os05g19970	Os05g0279400	ZOS5-06 - C2H2 zinc finger protein, expressed
LOC_Os05g28720	Os05g0355200	PPR repeat containing protein, expressed
LOC_Os05g28730	Os05g0355300	zinc finger, C3HC4 type domain containing protein, expressed
LOC_Os05g28740	Os05g0355400	universal stress protein domain containing protein, putative, expressed
LOC_Os05g34290	Os05g0415200	glutathione gamma-glutamylcysteinyltransferase 1, putative, expressed
LOC_Os05g41300	Os05g0492300	expressed protein
LOC_Os05g46170	Os05g0539150	expressed protein
LOC_Os06g01250	Os06g0102100	cytochrome P450, putative, expressed
LOC_Os06g04660	Os06g0138200	oxidoreductase, 2OG-Fe oxygenase family protein, putative, expressed
LOC_Os06g09240	Os06g0192100	anthocyanidin 3-O-glucosyltransferase, putative, expressed
LOC_Os06g31270	Os06g0509600	polygalacturonase, putative, expressed
LOC_Os06g33410	None	expressed protein
LOC_Os06g33970	Os06g0530600	VQ domain containing protein, putative, expressed
LOC_Os06g34570	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os06g35400	None	hypothetical protein
LOC_Os07g01060	Os07g0100500	expressed protein
LOC_Os07g03210	None	expressed protein
LOC_Os07g03220	Os07g0124300	bZIP transcription factor domain containing protein, expressed
LOC_Os07g04850	Os07g0141600	pre-mRNA-processing factor 31, putative, expressed
LOC_Os07g04880	None	retrotransposon protein, putative, unclassified
LOC_Os07g05670	Os07g0151500	expressed protein
LOC_Os07g07820	Os07g0174700	expressed protein
LOC_Os07g18250	Os07g0283200	expressed protein
LOC_Os07g31450	Os07g0497100	CHR4/MI-2-LIKE, putative, expressed
LOC_Os07g31460	Os07g0497400	peptide-Nasparagine amidase, putative, expressed

LOC_Os07g32400	Os07g0507300	STE_PAK_Ste20_MST_like 1 - STE kinases include homologs to sterile 7, sterile 11 and sterile 20 from yeast, expressed
LOC_Os08g03570	Os08g0129700	NAD dependent epimerase/dehydratase family protein, putative, expressed
LOC_Os08g03590	Os08g0129900	expressed protein
LOC_Os08g03600	Os08g0130000	expressed protein
LOC_Os08g03610	Os08g0130100	LSD1 zinc finger domain containing protein, expressed
LOC_Os08g09210	Os08g0191200	phosphoribosylamine--glycine ligase, putative, expressed
LOC_Os08g13270	Os08g0229601	expressed protein
LOC_Os08g15340	Os08g0253200	expressed protein
LOC_Os08g29220	None	expressed protein
LOC_Os08g30790	Os08g0398400	hypersensitive-induced response protein, putative, expressed
LOC_Os08g34249	None	inhibitor I family protein, putative, expressed
LOC_Os09g09350	Os09g0266300	expressed protein
LOC_Os09g09360	Os09g0266400	esterase/lipase/thioesterase, putative, expressed
LOC_Os09g22110	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os09g29470	Os09g0470900	AGAP005770-PA, putative, expressed
LOC_Os09g33690	Os09g0511700	Os9bglu32 - beta-glucosidase homologue, similar to G max hydroxyisourate hydrolase, expressed
LOC_Os09g39360	Os09g0567100	expressed protein
LOC_Os10g17950	Os10g0326900	TKL_IRAK_DUF26-1c 5 - DUF26 kinases have homology to DUF26 containing loci, expressed
LOC_Os10g17990	Os10g0327300	phosphatidate cytidylyltransferase, putative, expressed
LOC_Os10g33440	Os10g0473950	NB-ARC domain containing protein, expressed
LOC_Os11g01040	Os11g0100600	monoglyceride lipase, putative, expressed
LOC_Os11g11720	Os11g0224532	serpin domain containing protein, putative, expressed
LOC_Os11g17970	Os11g0282800	POT family protein, expressed
LOC_Os11g19810	Os11g0303500	PPWP domain containing protein, expressed
LOC_Os11g48090	Os11g0708600	helicase conserved C-terminal domain containing protein, expressed

Private genes (DELs) in indica against rufipogon

LOC_Os01g01170	Os01g0101800	expressed protein
LOC_Os01g01760	None	expressed protein
LOC_Os01g01810	None	expressed protein
LOC_Os01g02240	None	transposon protein, putative, unclassified, expressed
LOC_Os01g07550	None	hypothetical protein
LOC_Os01g07620	Os01g0170900	expressed protein
LOC_Os01g07790	Os01g0172900	polygalacturonase, putative, expressed
LOC_Os01g08490	Os01g0180100	conserved hypothetical protein
LOC_Os01g08780	Os01g0183300	endonuclease/exonuclease/phosphatase family domain containing protein, expressed
LOC_Os01g11054	Os01g0208700	phosphoenolpyruvate carboxylase, putative, expressed
LOC_Os01g13300	Os01g0234100	B3 DNA binding domain containing protein, expressed
LOC_Os01g13840	None	PE-PGRS family protein, putative, expressed
LOC_Os01g15080	None	hypothetical protein
LOC_Os01g17279	Os01g0280000	exonuclease, putative, expressed
LOC_Os01g22080	Os01g0324300	expressed protein
LOC_Os01g22490	Os01g0328400	40S ribosomal protein S27a, putative, expressed
LOC_Os01g23239	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g23590	Os01g0337600	suppressor of Mek, putative, expressed
LOC_Os01g23740	Os01g0339900	OsPDIL2-2 protein disulfide isomerase PDIL2-2, expressed
LOC_Os01g24090	Os01g0343500	TPR repeat, putative, expressed
LOC_Os01g24160	None	hypothetical protein
LOC_Os01g25300	Os01g0355400	expressed protein
LOC_Os01g28270	None	retrotransposon protein, putative, Ty1-copia subclass
LOC_Os01g29570	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g32670	Os01g0510200	expressed protein
LOC_Os01g34614	Os01g0530366	DNA directed RNA polymerase, 7 kDa subunit domain containing protein, expressed
LOC_Os01g39120	None	RING zinc finger ankyrin protein, putative, expressed
LOC_Os01g42670	Os01g0612425	hypothetical protein
LOC_Os01g43050	Os01g0617700	CENP-C1, putative, expressed
LOC_Os01g45140	Os01g0638600	anthocyanin 3-O-beta-glucosyltransferase, putative, expressed

LOC_Os01g46240	None	lipase class 3 family protein, putative, expressed
LOC_Os01g53220	Os01g0733200	HSF-type DNA-binding domain containing protein, expressed
LOC_Os01g61300	None	expressed protein
LOC_Os01g63430	None	expressed protein
LOC_Os01g64970	Os01g0869900	CAMK_CAMK_like 11 - CAMK includes calcium/calmodulin dependent protein kinases, expressed
LOC_Os01g66020	Os01g0883000	protein kinase family protein, putative, expressed
LOC_Os01g68120	Os01g0909200	DCL3, putative, expressed
LOC_Os01g68310	Os01g0911000	sas10/Utp3 family protein, expressed
LOC_Os01g72340	Os01g0952600	beta-galactosidase, putative, expressed
LOC_Os01g74090	None	transposon protein, putative, unclassified
LOC_Os01g74152	Os01g0973000	haloacid dehalogenase-like hydrolase family protein, putative, expressed
LOC_Os01g74310	Os01g0974300	expressed protein
LOC_Os02g01550	Os02g0105800	OsFBL6 - F-box domain and LRR containing protein, expressed
LOC_Os02g07350	Os02g0169900	inositol-1-monophosphatase, putative, expressed
LOC_Os02g07840	Os02g0175100	bZIP transcription factor domain containing protein, expressed
LOC_Os02g07850	Os02g0175200, Os02g0175301	DUF630/DUF632 domains containing protein, putative, expressed
LOC_Os02g08130	Os02g0177900	FGGY family of carbohydrate kinases, putative, expressed
LOC_Os02g09660	None	expressed protein
LOC_Os02g19180	Os02g0293900	ZOS2-06 - C2H2 zinc finger protein, expressed
LOC_Os02g19890	Os02g0301800	stripe rust resistance protein Yr10, putative, expressed
LOC_Os02g19960	None	transposon protein, putative, unclassified, expressed
LOC_Os02g24040	None	retrotransposon protein, putative, unclassified
LOC_Os02g26480	Os02g0463500	OsSCP7 - Putative Serine Carboxypeptidase homologue, expressed
LOC_Os02g27110	Os02g0470400, Os02g0470600	expressed protein
LOC_Os02g27210	None	hypothetical protein
LOC_Os02g28980	Os02g0491400	peptidyl-prolyl isomerase, putative, expressed
LOC_Os02g30690	None	steroleosin, putative, expressed

LOC_Os02g34290	None	expressed protein
LOC_Os02g35770	Os02g0565600	homeobox associated leucine zipper, putative, expressed
LOC_Os02g43560	Os02g0652100	WRKY34, expressed
LOC_Os02g43800	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g47770	Os02g0706600	ZF-HD protein dimerisation region containing protein, expressed
LOC_Os02g48210	Os02g0712700	lectin-like protein kinase, putative, expressed
LOC_Os02g51450	Os02g0749800	mTERF family protein, expressed
LOC_Os02g51620	Os02g0752200	glycosyl hydrolase family 3 protein, putative, expressed
LOC_Os02g51750	Os02g0753800	annexin, putative, expressed
LOC_Os02g58554	Os02g0832400	expressed protein
LOC_Os03g04300	Os03g0135600	ankyrin repeat domain containing protein, expressed
LOC_Os03g04410	Os03g0136900	aconitate hydratase protein, putative, expressed
LOC_Os03g04600	Os03g0139200	expressed protein
LOC_Os03g05330	Os03g0146600	HEAT repeat family protein, putative, expressed
LOC_Os03g05680	Os03g0151300	histone demethylase JARID1C, putative, expressed
LOC_Os03g06190	Os03g0157800	3-5 exonuclease family protein, putative, expressed
LOC_Os03g06750	Os03g0163400	expressed protein
LOC_Os03g07100	Os03g0167000	LTPL82 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os03g07220	Os03g0168400	PPR repeat domain containing protein, putative, expressed
LOC_Os03g07410	Os03g0170200	expressed protein
LOC_Os03g07580	Os03g0172000	OsNucAP1 - Putative Nucleoporin Autopeptidase homologue, expressed
LOC_Os03g09940	Os03g0195450, Os03g0195500	sulfate transporter, putative, expressed
LOC_Os03g09950	None	retrotransposon protein, putative, unclassified
LOC_Os03g12900	Os03g0231650, Os03g0231700	squalene monooxygenase, putative, expressed
LOC_Os03g17710	Os03g0285900	splicing factor, arginine/serine-rich, putative, expressed
LOC_Os03g18020	Os03g0289400	rhodanese-like family protein, putative, expressed
LOC_Os03g18190	Os03g0292900	importin subunit beta, putative, expressed
LOC_Os03g21530	Os03g0333100	AARP2CN domain containing protein, expressed

LOC_Os03g21630	Os03g0334100	PRC-barrel domain protein, putative, expressed
LOC_Os03g26329	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g30300	Os03g0416500	6-phosphogluconolactonase, putative, expressed
LOC_Os03g30530	Os03g0418700	expressed protein
LOC_Os03g43390	Os03g0633100	F-box/LRR domain containing protein, putative, expressed
LOC_Os03g48730	Os03g0633400	expressed protein
LOC_Os03g50230	None	protein kinase, putative, expressed
LOC_Os03g57910	Os03g0793100	expressed protein
LOC_Os03g63770	Os03g0854800	RCD1, putative, expressed
LOC_Os04g01310	Os04g0103500	serine/threonine-protein kinase receptor precursor, putative, expressed
LOC_Os04g02920	Os04g0119800	leucine-rich repeat family protein, putative, expressed
LOC_Os04g10820	None	transposon protein, putative, unclassified, expressed
LOC_Os04g18200	Os04g0254000	dihydrodipicolinate synthase, chloroplast precursor, putative, expressed
LOC_Os04g24520	Os04g0310500	ribosomal protein L51, putative, expressed
LOC_Os04g35480	Os04g0434300	CDK5RAP1, putative, expressed
LOC_Os04g39780	Os04g0473900	AMP-binding enzyme family protein, expressed
LOC_Os04g40010	Os04g0475800	PPR repeat domain containing protein, putative, expressed
LOC_Os04g47680	Os04g0564500	Ser/Thr-rich protein T10 in DGCR region, putative, expressed
LOC_Os04g48010	Os04g0568300,	WD-40 repeat family protein, putative, expressed
	Os04g0568400	
LOC_Os04g48940	Os04g0578700	uncharacterized mscS family protein, putative, expressed
LOC_Os04g52361	Os04g0613600	ribosomal protein S17, putative, expressed
LOC_Os04g52390	Os04g0613900	potassium transporter, putative, expressed
LOC_Os04g52660	Os04g0616900	expressed protein
LOC_Os05g01360	Os05g0104100	expressed protein
LOC_Os05g02030	Os05g0110950	OB-fold nucleic acid binding domain containing protein, putative, expressed
LOC_Os05g02564	Os05g0116500	expressed protein
LOC_Os05g03100	Os05g0122400	HECT-domain domain containing protein, expressed
LOC_Os05g05860	Os05g0151000	retrotransposon protein, putative, unclassified, expressed
LOC_Os05g07030	Os05g0163000	arginyl-tRNA synthetase, putative, expressed

LOC_Os05g08060	None	expressed protein
LOC_Os05g08340	None	expressed protein
LOC_Os05g10640	None	hAT dimerisation domain-containing protein, putative, expressed
LOC_Os05g30250	Os05g0365600	Os5bglu19 - beta-glucosidase homologue, similar to G
LOC_Os05g30470	None	collagen alpha-1, putative, expressed
LOC_Os05g30790	Os05g0371100	CW-type Zinc Finger, putative, expressed
LOC_Os05g31056	Os05g0374500	tetratricopeptide repeat containing protein, putative, expressed
LOC_Os06g01700	Os06g0106100	CWC15 homolog A, putative, expressed
LOC_Os06g01890	Os06g0108500	MADS-box transcription factor, putative, expressed
LOC_Os06g02019	Os06g0110000	cytochrome P450, putative, expressed
LOC_Os06g06740	Os06g0162700	MYB family transcription factor, putative, expressed
LOC_Os06g12730	None	expressed protein
LOC_Os06g17700	Os06g0286146	embryogenesis transmembrane protein, putative, expressed
LOC_Os06g30310	Os06g0498400,	alpha-glucan water dikinase, chloroplast precursor, putative, expressed
	Os06g0498450	
LOC_Os06g51460	Os06g0731200	white-brown complex homolog protein, putative, expressed
LOC_Os07g01940	Os07g0110400	sister chromatid cohesion 2, putative, expressed
LOC_Os07g18250	Os07g0283200	expressed protein
LOC_Os07g27180	Os07g0455100	tetratricopeptide repeat domain containing protein, expressed
LOC_Os07g28920	Os07g0472300	expressed protein
LOC_Os07g31340	Os07g0495900	regulator of nonsense transcripts 1, putative, expressed
LOC_Os07g31460	Os07g0497400	peptide-Nasparagine amidase, putative, expressed
LOC_Os07g39300	Os07g0581300	expressed protein
LOC_Os07g42940	Os07g0622000	CAMK_CAMK_like 7 - CAMK includes calcium/calmodulin dependent protein kinases, expressed
LOC_Os08g03560	Os08g0129600	chloroplast unusual positioning protein, putative, expressed
LOC_Os08g03670	Os08g0130900	galactosyltransferase family protein, putative, expressed
LOC_Os08g04420	Os08g0138700	tyrosine protein kinase domain containing protein, putative, expressed
LOC_Os08g04780	Os08g0143400	amine oxidase, putative, expressed
LOC_Os08g08084	Os08g0178400	expressed protein

LOC_Os08g15030	Os08g0248800	aspartate carbamoyltransferase, putative, expressed
LOC_Os08g19370	Os08g0290400	expressed protein
LOC_Os08g23320	Os08g0322600	para-hydroxybenzoate--polypropenyltransferase, mitochondrial precursor, putative, expressed
LOC_Os08g24380	Os08g0332600	NB-ARC domain containing protein, expressed
LOC_Os08g33700	Os08g0434000	pentatricopeptide, putative, expressed
LOC_Os08g35060	Os08g0451800	protein binding protein, putative, expressed
LOC_Os08g35190	Os08g0453200	auxin-repressed protein, putative, expressed
LOC_Os08g41390	Os08g0525600	peptidyl-prolyl isomerase, putative, expressed
LOC_Os08g41500	Os08g0526700	ubiquitin-associated protein, putative, expressed
LOC_Os08g42420	Os08g0536100	expressed protein
LOC_Os09g01360	Os09g0101800	expressed protein
LOC_Os09g03630	Os09g0123500	ankyrin, putative, expressed
LOC_Os09g06620	Os09g0241550	OsFBX307 - F-box domain containing protein, expressed
LOC_Os09g07800	Os09g0251800	expressed protein
LOC_Os09g12550	Os09g0296900	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os09g13600	Os09g0306650	expressed protein
LOC_Os09g20340	Os09g0368900	DUF630/DUF632 domains containing protein, putative, expressed
LOC_Os09g30454	Os09g0482640	OsWAK87 - OsWAK receptor-like protein kinase, expressed
LOC_Os09g31170	Os09g0485800	expressed protein
LOC_Os09g33780	Os09g0512700	expressed protein
LOC_Os09g36140	Os09g0531200	RNA recognition motif 2 domain containing protein, expressed
LOC_Os09g39320	Os09g0566550	CTR1-like protein kinase, putative, expressed
LOC_Os10g05069	Os10g0140200	lysosomal alpha-mannosidase precursor, putative, expressed
LOC_Os10g05140	None	hypothetical protein
LOC_Os10g06720	Os10g0155500	aldose 1-epimerase, putative, expressed
LOC_Os10g10170	Os10g0181200	PPR repeat domain containing protein, putative, expressed
LOC_Os10g14814	Os10g0209300	ATFMN/FHY, putative, expressed
LOC_Os10g20550	Os10g0345900	DEFL70 - Defensin and Defensin-like DEFL family, expressed
LOC_Os10g20590	None	expressed protein
LOC_Os10g42439	Os10g0575200	heat shock protein DnaJ, putative, expressed

LOC_Os11g27010	Os11g0458466	hypothetical protein
LOC_Os11g27020	Os11g0458500	expressed protein
LOC_Os11g35070	None	expressed protein
LOC_Os12g05609	Os12g0152200	OsFBO24 - F-box and other domain containing protein, expressed
LOC_Os12g07700	Os12g0176200	nifU, putative, expressed
LOC_Os12g16640	Os12g0267100	expressed protein
LOC_Os12g29660	Os12g0481100	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os12g40540	Os12g0597400	FAD dependent oxidoreductase, putative, expressed
LOC_Os12g44090	Os12g0638100	leucine-rich repeat family protein, putative, expressed

Private genes (DELs) in japonica against rufipogon

LOC_Os01g01190	Os01g0102000	phosphoesterase family protein, putative, expressed
LOC_Os01g01560	Os01g0105300	transposon protein, putative, unclassified, expressed
LOC_Os01g01810	None	expressed protein
LOC_Os01g02240	None	transposon protein, putative, unclassified, expressed
LOC_Os01g07410	Os01g0168600	growth regulator related protein, putative, expressed
LOC_Os01g08010	Os01g0175500	expressed protein
LOC_Os01g08390	None	hypothetical protein
LOC_Os01g08490	Os01g0180100	conserved hypothetical protein
LOC_Os01g09110	None	retrotransposon protein, putative, unclassified
LOC_Os01g10030	Os01g0196800	expressed protein
LOC_Os01g10430	Os01g0201000	protein kinase family protein, putative, expressed
LOC_Os01g10560	None	transposon protein, putative, unclassified
LOC_Os01g14926	Os01g0253000	protein kinase domain containing protein, expressed
LOC_Os01g15080	None	hypothetical protein
LOC_Os01g16300	None	hypothetical protein
LOC_Os01g17279	Os01g0280000	exonuclease, putative, expressed
LOC_Os01g20110	Os01g0306800	expressed protein
LOC_Os01g22490	Os01g0328400	40S ribosomal protein S27a, putative, expressed
LOC_Os01g22930	None	expressed protein

LOC_Os01g23610	Os01g0337900	dihydrolipoyl dehydrogenase, putative, expressed
LOC_Os01g24090	Os01g0343500	TPR repeat, putative, expressed
LOC_Os01g24160	None	hypothetical protein
LOC_Os01g29570	None	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os01g32184	Os01g0506200	tetratricopeptide repeat protein 5, putative, expressed
LOC_Os01g32520	None	expressed protein
LOC_Os01g34910	Os01g0533250	expressed protein
LOC_Os01g39120	None	RING zinc finger ankyrin protein, putative, expressed
LOC_Os01g39280	None	expressed protein
LOC_Os01g42360	None	hypothetical protein
LOC_Os01g42980	Os01g0616500	ribosomal protein L22, putative, expressed
LOC_Os01g50680	Os01g0702300	OsSub2 - Putative Subtilisin homologue, expressed
LOC_Os01g52260	Os01g0720700	serine acetyltransferase protein, putative, expressed
LOC_Os01g56530	Os01g0772100	DUF260 domain containing protein, putative, expressed
LOC_Os01g61300	None	expressed protein
LOC_Os01g61460	Os01g0830700	leaf senescence related protein, putative, expressed
	Os01g0869900	CAMK_CAMK_like 11 - CAMK includes calcium/calmodulin dependent protein kinases, expressed
LOC_Os01g64970	Os01g0911100	DEAD-box ATP-dependent RNA helicase 30, putative, expressed
LOC_Os01g68320	Os01g0922600	OsSPL2 - SBP-box gene family member, expressed
LOC_Os01g69830	Os01g0939100	calcium-transporting ATPase, plasma membrane-type, putative, expressed
LOC_Os01g71240	Os01g0960400	expressed protein
LOC_Os01g72990	None	transposon protein, putative, unclassified
LOC_Os01g74090	Os01g0974300	expressed protein
LOC_Os01g74310	Os02g0110700	SNF2 family N-terminal domain containing protein, expressed
LOC_Os02g02050	Os02g0139300	glucan endo-1,3-beta-glucosidase precursor, putative, expressed
LOC_Os02g04670	Os02g0168000	urease accessory protein F, putative, expressed
LOC_Os02g07150	Os02g0175100	bZIP transcription factor domain containing protein, expressed
LOC_Os02g07840	Os02g0175200	DUF630/DUF632 domains containing protein, putative, expressed
LOC_Os02g07850	Os02g0175301	ANTH/ENTH domain containing protein, putative, expressed
LOC_Os02g07900		

LOC_Os02g19180	Os02g0175700	ZOS2-06 - C2H2 zinc finger protein, expressed
LOC_Os02g30530	Os02g0293900	transposon protein, putative, unclassified, expressed
LOC_Os02g30690	Os02g0508500	steroleosin, putative, expressed
LOC_Os02g32504	Os02g0526000	heparan-alpha-glucosaminide N-acetyltransferase, putative, expressed
LOC_Os02g34290	None	expressed protein
LOC_Os02g35770	Os02g0565600	homeobox associated leucine zipper, putative, expressed
LOC_Os02g38690	Os02g0599151	protein phosphatase 2C containing protein, expressed
LOC_Os02g40330	Os02g0616600	retrotransposon protein, putative, Ty3-gypsy subclass, expressed
LOC_Os02g44134	Os02g0659700	thioesterase family protein, putative, expressed
LOC_Os02g51750	Os02g0753800	annexin, putative, expressed
LOC_Os03g03164	Os03g0123500	homeobox protein knotted-1, putative, expressed
LOC_Os03g04770	Os03g0141200	beta-amylase, putative, expressed
LOC_Os03g04890	Os03g0142500	zinc finger family protein, putative, expressed
LOC_Os03g05020	Os03g0143800	PIR, putative, expressed
LOC_Os03g05330	Os03g0146600	HEAT repeat family protein, putative, expressed
LOC_Os03g05500	Os03g0149000	DUF260 domain containing protein, putative, expressed
LOC_Os03g06740	Os03g0163300	glutathione reductase, putative, expressed
LOC_Os03g06900	Os03g0165000	DNA topoisomerase 3 protein, putative, expressed
LOC_Os03g07100	Os03g0167000	LTPL82 - Protease inhibitor/seed storage/LTP family protein precursor, expressed
LOC_Os03g07410	Os03g0170200	expressed protein
LOC_Os03g08380	Os03g0181675, Os03g0181750	ABC transporter, ATP-binding protein, putative, expressed
LOC_Os03g10010	None	expressed protein
LOC_Os03g10400	Os03g0201100	peptidyl-prolyl cis-trans isomerase, putative, expressed
LOC_Os03g14254	None	expressed protein
LOC_Os03g18020	Os03g0289400	rhodanese-like family protein, putative, expressed
LOC_Os03g18120	Os03g0291200	proteins of unknown function domain containing protein, expressed
LOC_Os03g18190	Os03g0292900	importin subunit beta, putative, expressed
LOC_Os03g26329	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os03g30460	Os03g0417900	vacuolar protein sorting-associated protein 52, putative, expressed

LOC_Os03g41780	Os03g0614100	retrotransposon, putative, centromere-specific, expressed
LOC_Os03g42900	Os03g0627500	KH domain containing protein, putative, expressed
LOC_Os03g43970	Os03g0641200	amino acid permease family protein, putative, expressed
	Os03g0704967,	
LOC_Os03g49790	Os03g0705033	pattern formation protein EMB30, putative, expressed
LOC_Os03g57910	Os03g0793100	expressed protein
LOC_Os03g62379	Os03g0840350	MYB family transcription factor, putative, expressed
LOC_Os04g02730	Os04g0117600	tRNA-dihydrouridine synthase 3-like, putative, expressed
LOC_Os04g06790	Os04g0151900	2-aminoethanethiol dioxygenase, putative, expressed
LOC_Os04g13220	Os04g0209300	ABC transporter family protein, putative, expressed
LOC_Os04g18200	Os04g0254000	dihydrodipicolinate synthase, chloroplast precursor, putative, expressed
LOC_Os04g32000	Os04g0389600	expressed protein
LOC_Os04g34040	Os04g0417500	hypothetical protein
	Os04g0432200,	
LOC_Os04g35260	Os04g0432250	DEAD/DEAH box helicase domain containing protein, expressed
LOC_Os04g35540	Os04g0435100	amino acid permease family protein, putative, expressed
LOC_Os04g52660	Os04g0616900	expressed protein
	Os05g0105000,	
LOC_Os05g01470	Os05g0105050	methionine S-methyltransferase, putative, expressed
	Os05g0149800	serine/threonine-protein phosphatase 2A regulatory subunit B subunitgamma, putative, expressed
LOC_Os05g05710	Os05g0150400	double-stranded RNA binding motif containing protein, expressed
LOC_Os05g05790	None	expressed protein
LOC_Os05g08060	None	hAT dimerisation domain-containing protein, putative, expressed
LOC_Os05g10640	Os05g0196500	transcription factor jumonji, putative, expressed
LOC_Os05g10770	Os05g0274200	MSH-like DNA mismatch repair protein, putative, expressed
LOC_Os05g19270	Os05g0275600	expressed protein
LOC_Os05g19470	Os05g0307400	double-stranded RNA binding motif containing protein, expressed
LOC_Os05g24160	None	expressed protein
LOC_Os05g29040	None	collagen alpha-1, putative, expressed
LOC_Os05g30470		

LOC_Os05g31480	Os05g0378800	methyltransferase, putative, expressed
LOC_Os05g39600	Os05g0473401	ATCHX15, putative, expressed
LOC_Os05g51690	Os05g0595300	CCT motif family protein, expressed
LOC_Os05g51860	Os05g0597400	expressed protein
LOC_Os06g37224	Os06g0568600	cytochrome P450, putative, expressed
LOC_Os07g01260	Os07g0102500	la domain containing protein, expressed
LOC_Os07g13050	None	hypothetical protein
LOC_Os07g22370	None	retrotransposon protein, putative, unclassified, expressed
LOC_Os07g31340	Os07g0495900	regulator of nonsense transcripts 1, putative, expressed
LOC_Os07g31550	Os07g0498900	powdery mildew resistant protein 5, putative, expressed
LOC_Os07g42810	Os07g0620300	adaptor complexes medium subunit family domain containing protein, expressed
LOC_Os08g03676	Os08g0131000	pentatricopeptide, putative, expressed
LOC_Os08g12840	Os08g0225000	FabA-like domain containing protein, expressed
LOC_Os08g17970	None	hypothetical protein
LOC_Os08g35990	None	expressed protein
LOC_Os08g40840	Os08g0519900	exo70 exocyst complex subunit, putative, expressed
LOC_Os09g07294	Os09g0247700	purity of essence, putative, expressed
	Os09g0266600	BTBN18 - Bric-a-Brac, Tramtrack, Broad Complex BTB domain with non-phototropic hypocotyl 3 NPH3 domain, expressed
LOC_Os09g09370	Os09g0296900	WD domain, G-beta repeat domain containing protein, expressed
LOC_Os09g12550	Os09g0488600	expressed protein
LOC_Os09g31350	Os09g0532000	senescence-inducible chloroplast stay-green protein 1, putative, expressed
LOC_Os10g02920	Os10g0118800	cytochrome b561, putative, expressed
LOC_Os10g05069	Os10g0140200	lysosomal alpha-mannosidase precursor, putative, expressed
LOC_Os10g06720	Os10g0155500	aldose 1-epimerase, putative, expressed
LOC_Os10g09850	Os10g0177200	EF hand family protein, putative, expressed
LOC_Os10g10420	Os10g0183800	OsFBX378 - F-box domain containing protein, expressed
LOC_Os10g13840	None	expressed protein
LOC_Os10g13880	Os10g0206000	expressed protein
LOC_Os10g34795	Os10g0489650	expressed protein

LOC_Os11g34000	None	hypothetical protein
LOC_Os11g35070	None	expressed protein
LOC_Os12g07600	Os12g0174950	expressed protein
LOC_Os12g15590	Os12g0258200	heat shock protein DnaJ, putative, expressed
LOC_Os12g29660	Os12g0481100	DEAD-box ATP-dependent RNA helicase, putative, expressed
LOC_Os12g44140	Os12g0638600	expressed protein

Table S11. GO analysis for fixed genes between each two species, rufipogon, indica and japonica, and private genes underlying SVs in each subspecies.

GO term	Ontology	Description	Number in input list	Number in BG/Ref	p-value
Fixed genes (SVs) in indica-japonica comparison					
GO:0006437	Biological Process	tyrosyl-tRNA aminoacylation	1	7	0.0079
GO:0016481	Biological Process	negative regulation of transcription	1	9	0.0099
GO:0045934	Biological Process	negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	1	11	0.012
		negative regulation of nitrogen compound metabolic process			
GO:0051172	Biological Process	negative regulation of gene expression	1	11	0.012
GO:0010629	Biological Process	negative regulation of cellular biosynthetic process	1	12	0.013
GO:0031327	Biological Process	negative regulation of biosynthetic process	1	50	0.05
GO:0009890	Biological Process	negative regulation of macromolecule biosynthetic process	1	50	0.05
GO:0010558	Biological Process	tyrosine-tRNA ligase activity	1	50	0.05
GO:0004831	Molecular Function	carboxylesterase activity	1	7	0.0079
GO:0004091	Molecular Function	FMN binding	2	172	0.013
GO:0010181	Molecular Function	ligase activity	1	35	0.035
GO:0016874	Molecular Function	lyase activity	2	305	0.037
GO:0016829	Molecular Function	acetylglucosaminyltransferase activity	2	309	0.038
GO:0008375	Molecular Function	integral to endoplasmic reticulum membrane	1	40	0.04
GO:0030176	Cellular Component	integral to organelle membrane	1	3	0.004
GO:0031301	Cellular Component	intrinsic to endoplasmic reticulum membrane	1	17	0.018
GO:0031227	Cellular Component	intrinsic to organelle membrane	1	23	0.024
GO:0031300	Cellular Component	endoplasmic reticulum	1	37	0.037
GO:0005789	Cellular Component	nuclear envelope-endoplasmic reticulum network	1	47	0.047
GO:0042175	Cellular Component	endoplasmic reticulum part	1	47	0.047
GO:0044432	Cellular Component	subsynaptic reticulum	1	49	0.049
GO:0071212	Cellular Component				

Private genes (DUPs) in indica against rufipogon

GO:0044281	Biological Process	small molecule metabolic process	111	1034	0.0000029
GO:0044248	Biological Process	cellular catabolic process	46	337	0.000018
GO:0019637	Biological Process	organophosphate metabolic process	19	84	0.000019
GO:0006644	Biological Process	phospholipid metabolic process	17	77	0.000068
GO:0009056	Biological Process	catabolic process	52	433	0.00011
GO:0044265	Biological Process	cellular macromolecule catabolic process	35	254	0.00015
GO:0009057	Biological Process	macromolecule catabolic process	40	322	0.00036
GO:0046486	Biological Process	glycerolipid metabolic process	13	58	0.00042
GO:0006650	Biological Process	glycerophospholipid metabolic process	13	58	0.00042
GO:0055114	Biological Process	oxidation reduction	124	1351	0.00047
GO:0010467	Biological Process	gene expression	204	2424	0.00065
GO:0030384	Biological Process	phosphoinositide metabolic process	10	43	0.0015
GO:0005975	Biological Process	carbohydrate metabolic process	80	833	0.0015
GO:0016070	Biological Process	RNA metabolic process	100	1088	0.0016
GO:0044262	Biological Process	cellular carbohydrate metabolic process	43	385	0.0016
GO:0044255	Biological Process	cellular lipid metabolic process	29	229	0.0017
GO:0044282	Biological Process	small molecule catabolic process	21	146	0.0018
GO:0006066	Biological Process	alcohol metabolic process	26	202	0.0023
GO:0019222	Biological Process	regulation of metabolic process	142	1664	0.0028
GO:0046488	Biological Process	phosphatidylinositol metabolic process	6	18	0.003
GO:0019318	Biological Process	hexose metabolic process	19	133	0.0031
GO:0045449	Biological Process	regulation of transcription	130	1513	0.0033
GO:0031323	Biological Process	regulation of cellular metabolic process	136	1593	0.0033
GO:0019219	Biological Process	regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	130	1520	0.0038
GO:0051171	Biological Process	regulation of nitrogen compound metabolic process	130	1520	0.0038
GO:0008654	Biological Process	phospholipid biosynthetic process	8	34	0.0041
GO:0010468	Biological Process	regulation of gene expression	134	1577	0.0041

GO:0044267	Biological Process	cellular protein metabolic process	229	2877	0.0043
GO:0005996	Biological Process	monosaccharide metabolic process	20	150	0.005
GO:0006350	Biological Process	transcription	137	1629	0.0052
GO:0016051	Biological Process	carbohydrate biosynthetic process	17	121	0.0058
GO:0060255	Biological Process	regulation of macromolecule metabolic process	137	1640	0.0064
GO:0010556	Biological Process	regulation of macromolecule biosynthetic process	131	1564	0.007
GO:0009889	Biological Process	regulation of biosynthetic process	131	1564	0.007
GO:0031326	Biological Process	regulation of cellular biosynthetic process	131	1564	0.007
GO:0050789	Biological Process	regulation of biological process	165	2027	0.0071
GO:0034637	Biological Process	cellular carbohydrate biosynthetic process	16	114	0.0074
GO:0044275	Biological Process	cellular carbohydrate catabolic process	14	94	0.0075
GO:0046164	Biological Process	alcohol catabolic process	14	94	0.0075
GO:0009250	Biological Process	glucan biosynthetic process	11	65	0.0075
GO:0045859	Biological Process	regulation of protein kinase activity	5	16	0.0084
GO:0032147	Biological Process	activation of protein kinase activity	5	16	0.0084
GO:0051338	Biological Process	regulation of transferase activity	5	16	0.0084
GO:0051347	Biological Process	positive regulation of transferase activity	5	16	0.0084
GO:0033674	Biological Process	positive regulation of kinase activity	5	16	0.0084
GO:0043549	Biological Process	regulation of kinase activity	5	16	0.0084
GO:0007205	Biological Process	activation of protein kinase C activity by G-protein coupled receptor protein signaling pathway	5	16	0.0084
GO:0045860	Biological Process	positive regulation of protein kinase activity	5	16	0.0084
GO:0006519	Biological Process	cellular amino acid and derivative metabolic process	40	391	0.0086
GO:0044106	Biological Process	cellular amine metabolic process	35	333	0.0094
GO:0042180	Biological Process	cellular ketone metabolic process	47	480	0.0096
GO:0005515	Molecular Function	protein binding	219	2460	0.000019
GO:0000166	Molecular Function	nucleotide binding	323	3874	0.000026
GO:0016853	Molecular Function	isomerase activity	24	161	0.00057
GO:0016491	Molecular Function	oxidoreductase activity	146	1672	0.0011
GO:0001883	Molecular Function	purine nucleoside binding	261	3247	0.0014

GO:0030554	Molecular Function	adenyl nucleotide binding	261	3247	0.0014
GO:0017076	Molecular Function	purine nucleotide binding	276	3456	0.0014
GO:0001882	Molecular Function	nucleoside binding	261	3257	0.0016
GO:0048037	Molecular Function	cofactor binding	56	543	0.0019
GO:0016817	Molecular Function	hydrolase activity, acting on acid anhydrides	73	764	0.0027
GO:0005524	Molecular Function	ATP binding	246	3085	0.0028
GO:0032559	Molecular Function	adenyl ribonucleotide binding	246	3087	0.0029
GO:0005319	Molecular Function	lipid transporter activity	6	18	0.003
GO:0016307	Molecular Function	phosphatidylinositol phosphate kinase activity	6	18	0.003
GO:0032553	Molecular Function	ribonucleotide binding	260	3292	0.0034
GO:0032555	Molecular Function	purine ribonucleotide binding	260	3292	0.0034
GO:0016818	Molecular Function	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides	72	759	0.0034
GO:0001727	Molecular Function	lipid kinase activity	6	20	0.0047
GO:0016830	Molecular Function	carbon-carbon lyase activity	15	99	0.005
GO:0003684	Molecular Function	damaged DNA binding	6	21	0.0057
GO:0016857	Molecular Function	racemase and epimerase activity, acting on carbohydrates and derivatives	5	15	0.0067
GO:0008137	Molecular Function	NADH dehydrogenase (ubiquinone) activity	7	30	0.0073
GO:0050136	Molecular Function	NADH dehydrogenase (quinone) activity	7	30	0.0073
GO:0003954	Molecular Function	NADH dehydrogenase activity	7	30	0.0073
GO:0017111	Molecular Function	nucleoside-triphosphatase activity	67	726	0.008
GO:0051536	Molecular Function	iron-sulfur cluster binding	14	95	0.0081
GO:0051540	Molecular Function	metal cluster binding	14	95	0.0081
GO:0004143	Molecular Function	diacylglycerol kinase activity	5	16	0.0084
GO:0016462	Molecular Function	pyrophosphatase activity	68	743	0.0089
GO:0016866	Molecular Function	intramolecular transferase activity	9	49	0.0096
GO:0022892	Molecular Function	substrate-specific transporter activity	56	593	0.0097
GO:0005623	Cellular Component	cell	464	5945	0.00014
GO:0044464	Cellular Component	cell part	464	5945	0.00014

GO:0016020	Cellular Component	membrane	186	2115	0.00016
GO:0031224	Cellular Component	intrinsic to membrane	79	775	0.00034
GO:0016021	Cellular Component	integral to membrane	77	752	0.00036
GO:0044425	Cellular Component	membrane part	97	1007	0.00046
GO:0005737	Cellular Component	cytoplasm	117	1263	0.0005

Private genes (DUPs) in japonica against rufipogon

GO:0065007	Biological Process	biological regulation	13	2125	0.002
GO:0050794	Biological Process	regulation of cellular process	12	1955	0.0029
GO:0050789	Biological Process	regulation of biological process	12	2027	0.0039
GO:0060548	Biological Process	negative regulation of cell death	1	1	0.005
GO:0042981	Biological Process	regulation of apoptosis	1	1	0.005
GO:0010941	Biological Process	regulation of cell death	1	1	0.005
GO:0043067	Biological Process	regulation of programmed cell death	1	1	0.005
GO:0043066	Biological Process	negative regulation of apoptosis	1	1	0.005
GO:0043069	Biological Process	negative regulation of programmed cell death	1	1	0.005
GO:0046937	Biological Process	phytochelatin metabolic process	1	2	0.0074
GO:0046938	Biological Process	phytochelatin biosynthetic process	1	2	0.0074
GO:0045449	Biological Process	regulation of transcription	9	1513	0.012
GO:0019219	Biological Process	regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	9	1520	0.013
GO:0051171	Biological Process	regulation of nitrogen compound metabolic process	9	1520	0.013
GO:0009228	Biological Process	thiamin biosynthetic process	1	5	0.015
GO:0009889	Biological Process	regulation of biosynthetic process	9	1564	0.015
GO:0010556	Biological Process	regulation of macromolecule biosynthetic process	9	1564	0.015
GO:0031326	Biological Process	regulation of cellular biosynthetic process	9	1564	0.015
GO:0010468	Biological Process	regulation of gene expression	9	1577	0.016
GO:0031323	Biological Process	regulation of cellular metabolic process	9	1593	0.017
GO:0080090	Biological Process	regulation of primary metabolic process	9	1626	0.019
GO:0006350	Biological Process	transcription	9	1629	0.019

GO:0060255	Biological Process	regulation of macromolecule metabolic process	9	1640	0.02
GO:0019222	Biological Process	regulation of metabolic process	9	1664	0.022
GO:0006772	Biological Process	thiamin metabolic process	1	8	0.022
GO:0043043	Biological Process	peptide biosynthetic process	1	8	0.022
GO:0042723	Biological Process	thiamin and derivative metabolic process	1	8	0.022
GO:0042724	Biological Process	thiamin and derivative biosynthetic process	1	8	0.022
GO:0009113	Biological Process	purine base biosynthetic process	1	10	0.027
GO:0006012	Biological Process	galactose metabolic process	1	11	0.029
GO:0006144	Biological Process	purine base metabolic process	1	11	0.029
GO:0055085	Biological Process	transmembrane transport	5	701	0.031
GO:0009875	Biological Process	pollen-pistil interaction	2	114	0.034
GO:0008037	Biological Process	cell recognition	2	114	0.034
GO:0048544	Biological Process	recognition of pollen	2	114	0.034
GO:0022414	Biological Process	reproductive process	2	114	0.034
GO:0009856	Biological Process	pollination	2	114	0.034
GO:0051704	Biological Process	multi-organism process	2	120	0.037
GO:0010038	Biological Process	response to metal ion	1	15	0.039
GO:0006694	Biological Process	steroid biosynthetic process	1	15	0.039
GO:0046112	Biological Process	nucleobase biosynthetic process	1	16	0.041
GO:0045454	Biological Process	cell redox homeostasis	2	132	0.044
GO:0000003	Biological Process	reproduction	2	133	0.045
GO:0010035	Biological Process	response to inorganic substance	1	18	0.046
GO:0009112	Biological Process	nucleobase metabolic process	1	18	0.046
GO:0019725	Biological Process	cellular homeostasis	2	140	0.049
GO:0016756	Molecular Function	glutathione gamma-glutamylcysteinyltransferase activity	1	2	0.0074
GO:0004637	Molecular Function	phosphoribosylamine-glycine ligase activity	1	2	0.0074
GO:0004386	Molecular Function	helicase activity	3	165	0.0085
GO:0004867	Molecular Function	serine-type endopeptidase inhibitor activity	2	60	0.01
GO:0004866	Molecular Function	endopeptidase inhibitor activity	2	72	0.015

GO:0030414	Molecular Function	peptidase inhibitor activity	2	72	0.015
GO:0016755	Molecular Function	transferase activity, transferring amino-acyl groups	1	6	0.017
GO:0003978	Molecular Function	UDP-glucose 4-epimerase activity	1	8	0.022
GO:0005215	Molecular Function	transporter activity	6	941	0.03
GO:0070035	Molecular Function	purine NTP-dependent helicase activity	2	107	0.03
GO:0008026	Molecular Function	ATP-dependent helicase activity	2	107	0.03
GO:0042623	Molecular Function	ATPase activity, coupled	3	275	0.032
GO:0017111	Molecular Function	nucleoside-triphosphatase activity	5	726	0.035
GO:0016462	Molecular Function	pyrophosphatase activity	5	743	0.038
GO:0016857	Molecular Function	racemase and epimerase activity, acting on carbohydrates and derivatives	1	15	0.039
GO:0016818	Molecular Function	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides	5	759	0.041
GO:0031418	Molecular Function	L-ascorbic acid binding	1	16	0.041
GO:0016817	Molecular Function	hydrolase activity, acting on acid anhydrides	5	764	0.042
GO:0016854	Molecular Function	racemase and epimerase activity	1	17	0.044
GO:0005783	Cellular Component	endoplasmic reticulum	2	123	0.039
GO:0031224	Cellular Component	intrinsic to membrane	5	775	0.044

Private genes (DELs) in indica against rufipogon

GO:0006970	Biological Process	response to osmotic stress	2	12	0.0013
GO:0016070	Biological Process	RNA metabolic process	11	1088	0.0039
GO:0005975	Biological Process	carbohydrate metabolic process	9	833	0.0059
GO:0000956	Biological Process	nuclear-transcribed mRNA catabolic process	1	1	0.0078
		nuclear-transcribed mRNA catabolic process, nonsense-mediated decay	1	1	0.0078
GO:0000184	Biological Process	mRNA metabolic process	2	35	0.0093
GO:0016071	Biological Process	arginyl-tRNA aminoacylation	1	2	0.012
GO:0006420	Biological Process	RNA catabolic process	1	3	0.016
GO:0006401	Biological Process	diaminopimelate biosynthetic process	1	3	0.016
GO:0019877	Biological Process				

GO:0006402	Biological Process	mRNA catabolic process	1	3	0.016
GO:0019318	Biological Process	hexose metabolic process	3	133	0.017
GO:0051186	Biological Process	cofactor metabolic process	3	143	0.02
GO:0005996	Biological Process	monosaccharide metabolic process	3	150	0.023
GO:0006207	Biological Process	'de novo' pyrimidine base biosynthetic process	1	5	0.023
GO:0019856	Biological Process	pyrimidine base biosynthetic process	1	6	0.027
GO:0006013	Biological Process	mannose metabolic process	1	6	0.027
GO:0034641	Biological Process	cellular nitrogen compound metabolic process	5	435	0.03
GO:0006206	Biological Process	pyrimidine base metabolic process	1	7	0.031
GO:0009089	Biological Process	lysine biosynthetic process via diaminopimelate	1	7	0.031
GO:0009085	Biological Process	lysine biosynthetic process	1	7	0.031
GO:0006553	Biological Process	lysine metabolic process	1	7	0.031
GO:0046451	Biological Process	diaminopimelate metabolic process	1	7	0.031
GO:0000398	Biological Process	nuclear mRNA splicing, via spliceosome	1	8	0.035
GO:0000375	Biological Process	RNA splicing, via transesterification reactions	1	8	0.035
		RNA splicing, via transesterification reactions with			
GO:0000377	Biological Process	bulged adenosine as nucleophile	1	8	0.035
GO:0009628	Biological Process	response to abiotic stimulus	2	74	0.036
GO:0006771	Biological Process	riboflavin metabolic process	1	9	0.039
GO:0042727	Biological Process	riboflavin and derivative biosynthetic process	1	9	0.039
GO:0042726	Biological Process	riboflavin and derivative metabolic process	1	9	0.039
GO:0009231	Biological Process	riboflavin biosynthetic process	1	9	0.039
GO:0006066	Biological Process	alcohol metabolic process	3	202	0.047
GO:0043412	Biological Process	macromolecule modification	13	1979	0.048
GO:0030246	Molecular Function	carbohydrate binding	5	219	0.0019
GO:0004437	Molecular Function	inositol or phosphatidylinositol phosphatase activity	2	29	0.0066
GO:0051536	Molecular Function	iron-sulfur cluster binding	3	95	0.0068
GO:0051540	Molecular Function	metal cluster binding	3	95	0.0068
GO:0051539	Molecular Function	4 iron, 4 sulfur cluster binding	2	31	0.0075
GO:0015925	Molecular Function	galactosidase activity	1	1	0.0078

GO:0004565	Molecular Function	beta-galactosidase activity	1	1	0.0078
GO:0004070	Molecular Function	aspartate carbamoyltransferase activity	1	1	0.0078
GO:0008840	Molecular Function	dihydろdipicolinate synthase activity	1	1	0.0078
GO:0008531	Molecular Function	riboflavin kinase activity	1	2	0.012
GO:0004814	Molecular Function	arginine-tRNA ligase activity	1	2	0.012
GO:0016743	Molecular Function	carboxyl- or carbamoyltransferase activity	1	2	0.012
GO:0004506	Molecular Function	squalene monooxygenase activity	1	2	0.012
GO:0004559	Molecular Function	alpha-mannosidase activity	1	3	0.016
GO:0016597	Molecular Function	amino acid binding	2	47	0.016
GO:0043176	Molecular Function	amine binding	2	47	0.016
GO:0004527	Molecular Function	exonuclease activity	2	51	0.018
GO:0004096	Molecular Function	catalase activity	1	4	0.02
GO:0017057	Molecular Function	6-phosphogluconolactonase activity	1	4	0.02
		hydrolase activity, hydrolyzing O-glycosyl compounds	5	424	0.027
GO:0004553	Molecular Function	DNA-directed RNA polymerase activity	2	65	0.029
GO:0003899	Molecular Function	RNA polymerase activity	2	65	0.029
GO:0034062	Molecular Function	helicase activity	3	165	0.029
GO:0004386	Molecular Function	phosphoenolpyruvate carboxylase activity	1	7	0.031
GO:0008964	Molecular Function	carboxylic acid binding	2	71	0.034
GO:0031406	Molecular Function	sequence-specific DNA binding	5	453	0.035
GO:0043565	Molecular Function	mannosidase activity	1	9	0.039
GO:0015923	Molecular Function	NAD+ ADP-ribosyltransferase activity	1	9	0.039
GO:0003950	Molecular Function	phosphotransferase activity, alcohol group as acceptor	12	1726	0.04
GO:0016773	Molecular Function	phosphopantetheine binding	1	10	0.042
GO:0031177	Molecular Function	phosphoenolpyruvate carboxykinase activity	1	10	0.042
GO:0004611	Molecular Function	hydrolase activity, acting on glycosyl bonds	5	480	0.043
GO:0016798	Molecular Function	kinase activity	12	1750	0.043
GO:0016301	Molecular Function	lipid binding	2	85	0.046
GO:0008289	Molecular Function				

GO:0005544	Molecular Function	calcium-dependent phospholipid binding	1	11	0.046
GO:0015116	Molecular Function	sulfate transmembrane transporter activity	1	11	0.046
		secondary active sulfate transmembrane transporter activity			
GO:0008271	Molecular Function		1	11	0.046
GO:0000036	Molecular Function	acyl carrier activity	1	11	0.046
GO:0017076	Molecular Function	purine nucleotide binding	20	3456	0.049
GO:0001883	Molecular Function	purine nucleoside binding	19	3247	0.05
GO:0030554	Molecular Function	adenyl nucleotide binding	19	3247	0.05
GO:0044428	Cellular Component	nuclear part	3	97	0.0072
GO:0009341	Cellular Component	beta-galactosidase complex	1	1	0.0078
GO:0005665	Cellular Component	DNA-directed RNA polymerase II, core complex	1	2	0.012
GO:0055029	Cellular Component	nuclear DNA-directed RNA polymerase complex	1	5	0.023
GO:0000428	Cellular Component	DNA-directed RNA polymerase complex	1	5	0.023
GO:0030880	Cellular Component	RNA polymerase complex	1	8	0.035
GO:0005681	Cellular Component	spliceosomal complex	1	9	0.039

Private genes (DELs) in japonica against rufipogon

GO:0006790	Biological Process	sulfur metabolic process	3	63	0.00098
GO:0006865	Biological Process	amino acid transport	2	27	0.0033
GO:0015837	Biological Process	amine transport	2	27	0.0033
GO:0015849	Biological Process	organic acid transport	2	33	0.0048
GO:0046942	Biological Process	carboxylic acid transport	2	33	0.0048
GO:0000956	Biological Process	nuclear-transcribed mRNA catabolic process	1	1	0.0059
		nuclear-transcribed mRNA catabolic process, nonsense-mediated decay			
GO:0000184	Biological Process		1	1	0.0059
GO:0006810	Biological Process	transport	11	1638	0.0084
GO:0051234	Biological Process	establishment of localization	11	1638	0.0084
GO:0051179	Biological Process	localization	11	1651	0.0089
GO:0044272	Biological Process	sulfur compound biosynthetic process	2	48	0.0095
GO:0044281	Biological Process	small molecule metabolic process	8	1034	0.011

GO:0019877	Biological Process	diaminopimelate biosynthetic process	1	3	0.012
GO:0006401	Biological Process	RNA catabolic process	1	3	0.012
GO:0006402	Biological Process	mRNA catabolic process	1	3	0.012
GO:0044283	Biological Process	small molecule biosynthetic process	4	320	0.015
GO:0006268	Biological Process	DNA unwinding during replication	1	5	0.018
GO:0032392	Biological Process	DNA geometric change	1	5	0.018
GO:0032508	Biological Process	DNA duplex unwinding	1	5	0.018
GO:0009228	Biological Process	thiamin biosynthetic process	1	5	0.018
GO:0016192	Biological Process	vesicle-mediated transport	3	186	0.018
GO:0006013	Biological Process	mannose metabolic process	1	6	0.02
GO:0009628	Biological Process	response to abiotic stimulus	2	74	0.021
GO:0006749	Biological Process	glutathione metabolic process	1	7	0.023
GO:0009089	Biological Process	lysine biosynthetic process via diaminopimelate	1	7	0.023
GO:0009085	Biological Process	lysine biosynthetic process	1	7	0.023
GO:0006553	Biological Process	lysine metabolic process	1	7	0.023
GO:0046451	Biological Process	diaminopimelate metabolic process	1	7	0.023
GO:0006772	Biological Process	thiamin metabolic process	1	8	0.026
GO:0042723	Biological Process	thiamin and derivative metabolic process	1	8	0.026
GO:0042724	Biological Process	thiamin and derivative biosynthetic process	1	8	0.026
GO:0016053	Biological Process	organic acid biosynthetic process	3	222	0.029
GO:0046394	Biological Process	carboxylic acid biosynthetic process	3	222	0.029
GO:0044271	Biological Process	cellular nitrogen compound biosynthetic process	3	231	0.032
GO:0006265	Biological Process	DNA topological change	1	11	0.035
GO:0006901	Biological Process	vesicle coating	1	12	0.038
GO:0006900	Biological Process	membrane budding	1	12	0.038
GO:0048268	Biological Process	clathrin coat assembly	1	12	0.038
GO:0070838	Biological Process	divalent metal ion transport	1	12	0.038
GO:0006816	Biological Process	calcium ion transport	1	12	0.038
GO:0006970	Biological Process	response to osmotic stress	1	12	0.038
GO:0016050	Biological Process	vesicle organization	1	13	0.04

GO:0016070	Biological Process	RNA metabolic process	7	1088	0.042
GO:0006298	Biological Process	mismatch repair	1	14	0.043
GO:0004386	Molecular Function	helicase activity	5	165	0.00015
GO:0042623	Molecular Function	ATPase activity, coupled	6	275	0.00018
GO:0016668	Molecular Function	oxidoreductase activity, acting on sulfur group of donors, NAD or NADP as acceptor	2	9	0.00046
GO:0022804	Molecular Function	active transmembrane transporter activity	6	333	0.00049
GO:0016887	Molecular Function	ATPase activity	6	355	0.00068
GO:0017111	Molecular Function	nucleoside-triphosphatase activity	8	726	0.0014
GO:0016462	Molecular Function	pyrophosphatase activity	8	743	0.0016
GO:0016818	Molecular Function	hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides	8	759	0.0018
GO:0003725	Molecular Function	double-stranded RNA binding	2	20	0.0019
GO:0016817	Molecular Function	hydrolase activity, acting on acid anhydrides	8	764	0.0019
GO:0008289	Molecular Function	lipid binding	3	85	0.0022
GO:0015171	Molecular Function	amino acid transmembrane transporter activity	2	27	0.0033
GO:0005275	Molecular Function	amine transmembrane transporter activity	2	27	0.0033
GO:0008026	Molecular Function	ATP-dependent helicase activity	3	107	0.0042
GO:0070035	Molecular Function	purine NTP-dependent helicase activity	3	107	0.0042
GO:0005543	Molecular Function	phospholipid binding	2	36	0.0056
GO:0008840	Molecular Function	dihydrodipicolinate synthase activity	1	1	0.0059
GO:0005342	Molecular Function	organic acid transmembrane transporter activity	2	39	0.0065
GO:0046943	Molecular Function	carboxylic acid transmembrane transporter activity	2	39	0.0065
GO:0004362	Molecular Function	glutathione-disulfide reductase activity	1	2	0.0088
GO:0015038	Molecular Function	glutathione disulfide oxidoreductase activity	1	2	0.0088
GO:0015037	Molecular Function	peptide disulfide oxidoreductase activity	1	2	0.0088
GO:0042626	Molecular Function	ATPase activity, coupled to transmembrane movement of substances	3	142	0.009
GO:0043492	Molecular Function	ATPase activity, coupled to movement of substances	3	142	0.009
GO:0016820	Molecular Function	hydrolase activity, acting on acid anhydrides,	3	147	0.0099

		catalyzing transmembrane movement of substances			
GO:0050660	Molecular Function	FAD binding	3	156	0.012
GO:0004559	Molecular Function	alpha-mannosidase activity	1	3	0.012
GO:0022857	Molecular Function	transmembrane transporter activity	6	643	0.012
GO:0016853	Molecular Function	isomerase activity	3	161	0.013
GO:0016836	Molecular Function	hydro-lyase activity	2	58	0.014
GO:0015399	Molecular Function	primary active transmembrane transporter activity	3	170	0.014
		P-P-bond-hydrolysis-driven transmembrane			
GO:0015405	Molecular Function	transporter activity	3	170	0.014
GO:0016151	Molecular Function	nickel ion binding	1	4	0.015
GO:0004148	Molecular Function	dihydrolipoyl dehydrogenase activity	1	4	0.015
GO:0017150	Molecular Function	tRNA dihydrouridine synthase activity	1	4	0.015
		oxidoreductase activity, acting on NADH or			
GO:0016651	Molecular Function	NADPH	2	64	0.016
GO:0003917	Molecular Function	DNA topoisomerase type I activity	1	5	0.018
GO:0016412	Molecular Function	serine O-acyltransferase activity	1	6	0.02
GO:0009001	Molecular Function	serine O-acetyltransferase activity	1	6	0.02
GO:0005215	Molecular Function	transporter activity	7	941	0.021
		oxidoreductase activity, acting on sulfur group of			
GO:0016667	Molecular Function	donors	2	75	0.022
GO:0016413	Molecular Function	O-acetyltransferase activity	1	7	0.023
GO:0016835	Molecular Function	carbon-oxygen lyase activity	2	79	0.024
GO:0001883	Molecular Function	purine nucleoside binding	16	3247	0.026
GO:0030554	Molecular Function	adenyl nucleotide binding	16	3247	0.026
GO:0001882	Molecular Function	nucleoside binding	16	3257	0.026
GO:0015923	Molecular Function	mannosidase activity	1	9	0.029
GO:0022892	Molecular Function	substrate-specific transporter activity	5	593	0.031
GO:0005544	Molecular Function	calcium-dependent phospholipid binding	1	11	0.035
GO:0016161	Molecular Function	beta-amylase activity	1	11	0.035
GO:0003916	Molecular Function	DNA topoisomerase activity	1	11	0.035

GO:0005545	Molecular Function	phosphatidylinositol binding	1	12	0.038
GO:0005388	Molecular Function	calcium-transporting ATPase activity	1	12	0.038
GO:0015085	Molecular Function	calcium ion transmembrane transporter activity	1	12	0.038
GO:0030276	Molecular Function	clathrin binding	1	12	0.038
GO:0047800	Molecular Function	cysteamine dioxygenase activity	1	13	0.04
GO:0017076	Molecular Function	purine nucleotide binding	16	3456	0.042
GO:0030983	Molecular Function	mismatched DNA binding	1	14	0.043
		galactosylgalactosylxylosylprotein			
GO:0015018	Molecular Function	3-beta-glucuronosyltransferase activity	1	14	0.043
GO:0003690	Molecular Function	double-stranded DNA binding	1	14	0.043
GO:0015020	Molecular Function	glucuronosyltransferase activity	1	14	0.043
GO:0044464	Cellular Component	cell part	32	5945	0.00015
GO:0005623	Cellular Component	cell	32	5945	0.00015
GO:0005622	Cellular Component	intracellular	23	4116	0.0013
GO:0005737	Cellular Component	cytoplasm	10	1263	0.0039
GO:0030118	Cellular Component	clathrin coat	2	32	0.0045
GO:0044424	Cellular Component	intracellular part	19	3529	0.0058
GO:0032300	Cellular Component	mismatch repair complex	1	1	0.0059
GO:0032301	Cellular Component	MutSalpha complex	1	1	0.0059
GO:0032302	Cellular Component	MutSbeta complex	1	1	0.0059
GO:0032991	Cellular Component	macromolecular complex	9	1207	0.0091
GO:0048475	Cellular Component	coated membrane	2	59	0.014
GO:0030117	Cellular Component	membrane coat	2	59	0.014
GO:0043234	Cellular Component	protein complex	6	706	0.018
GO:0044425	Cellular Component	membrane part	7	1007	0.029
GO:0044428	Cellular Component	nuclear part	2	97	0.034
GO:0030119	Cellular Component	AP-type membrane coat adaptor complex	1	16	0.049
GO:0030131	Cellular Component	clathrin adaptor complex	1	16	0.049

Table S12. List of the 46 mislabelled accessions.

	Run accession	Origin	Source*	Grouped in this study
1	ERR2245547	indica	Zhao et al. 2018	rufipogon
2	ERR609561-ERR609580	indica	Wang et al. 2018	temperate japonica
3	ERR617283-ERR617288	indica	Wang et al. 2018	rufipogon
4	ERR619511-ERR619524	indica	Wang et al. 2018	aus
5	ERR621557-ERR621569	indica	Wang et al. 2018	rufipogon
6	ERR622337-ERR622356	indica	Wang et al. 2018	aus
7	ERR625701-ERR625712	indica	Wang et al. 2018	rufipogon
8	SRR3234369	indica	Zhang et al. 2016a	rufipogon
9	SRR5011847	indica	Du et al. 2017	rufipogon
10	ERR2241054	temperate japonica	Zhao et al. 2018	tropical japonica
11	ERR2245540	temperate japonica	Zhao et al. 2018	tropical japonica
12	ERR615186-ERR615191	temperate japonica	Wang et al. 2018	tropical japonica
13	ERR615877-ERR615882	temperate japonica	Wang et al. 2018	tropical japonica
14	ERR626638-ERR626643	temperate japonica	Wang et al. 2018	indica
15	ERR629716-ERR629721	temperate japonica	Wang et al. 2018	indica
16	ERR629752-ERR629757	temperate japonica	Wang et al. 2018	indica
17	ERR636841-ERR636846	temperate japonica	Wang et al. 2018	temperate japonica
18	ERR637045-ERR637050	temperate japonica	Wang et al. 2018	tropical japonica
19	ERR607669-ERR607674	tropical japonica	Wang et al. 2018	temperate japonica
20	ERR608057-ERR608062	tropical japonica	Wang et al. 2018	temperate japonica
21	ERR608413-ERR608426	tropical japonica	Wang et al. 2018	indica
22	ERR611071-ERR611090	tropical japonica	Wang et al. 2018	indica
23	ERR611151-ERR611170	tropical japonica	Wang et al. 2018	indica
24	ERR611517-ERR611536	tropical japonica	Wang et al. 2018	indica
25	ERR613946-ERR613959	tropical japonica	Wang et al. 2018	aromatic
26	ERR616381-ERR616386	tropical japonica	Wang et al. 2018	temperate japonica
27	ERR626504-ERR626509	tropical japonica	Wang et al. 2018	indica
28	ERR629842-ERR629855	tropical japonica	Wang et al. 2018	indica

29	ERR630772-ERR630791	tropical japonica	Wang et al. 2018	indica
30	ERR630970-ERR630989	tropical japonica	Wang et al. 2018	indica
31	ERR636847-ERR636852	tropical japonica	Wang et al. 2018	temperate japonica
32	ERR2240123	rufipogon	Zhao et al. 2018	aus
33	DRR088679	rufipogon	NCBI	temperate japonica
34	SRR1016479	rufipogon	Fawcett et al. 2013	indica
35	DRR088678	rufipogon	NCBI	aus
36	SRR8324858	rufipogon	Lou et al. 2015	indica
37	SRR8324893	rufipogon	Lou et al. 2015	indica
38	SRR8324917	rufipogon	Lou et al. 2015	indica
39	SRR8324921	rufipogon	Lou et al. 2015	indica
40	SRR8324922	rufipogon	Lou et al. 2015	indica
41	SRR8324923	rufipogon	Lou et al. 2015	indica
42	ERR2245518	aus	Zhao et al. 2018	indica
43	SRR1450138	nivara	Ammiraju et al. 2006	indica
44	SRR1450139	nivara	Ammiraju et al. 2006	indica
45	SRR1450142	nivara	Ammiraju et al. 2006	aus
46	SRR1528449	nivara	Ammiraju et al. 2006	aus

* References are provided at the end of the document.

Table S13. List of the 358 accessions used in this study.

Species	Variety	Depth (X)	Run accession	Source*
<i>O. sativa</i>	indica	214	ERR2242621	Zhao et al. 2018
<i>O. sativa</i>	indica	104	ERR2245513	Zhao et al. 2018
<i>O. sativa</i>	indica	149	ERR2245516	Zhao et al. 2018
<i>O. sativa</i>	indica	157	ERR2245525	Zhao et al. 2018
<i>O. sativa</i>	indica	149	ERR2242624	Zhao et al. 2018
<i>O. sativa</i>	indica	177	ERR2245528	Zhao et al. 2018
<i>O. sativa</i>	indica	125	ERR2245530	Zhao et al. 2018
<i>O. sativa</i>	indica	132	ERR2245531	Zhao et al. 2018
<i>O. sativa</i>	indica	166	ERR2245533	Zhao et al. 2018
<i>O. sativa</i>	indica	185	ERR2242626	Zhao et al. 2018
<i>O. sativa</i>	indica	186	ERR2245535	Zhao et al. 2018
<i>O. sativa</i>	indica	173	ERR2245537	Zhao et al. 2018
<i>O. sativa</i>	indica	168	ERR2245538	Zhao et al. 2018
<i>O. sativa</i>	indica	222	ERR2245542	Zhao et al. 2018
<i>O. sativa</i>	indica	117	ERR2245543	Zhao et al. 2018
<i>O. sativa</i>	indica	180	ERR2241060	Zhao et al. 2018
<i>O. sativa</i>	indica	108	ERR2245544	Zhao et al. 2018
<i>O. sativa</i>	indica	37	ERR606786	Wang et al. 2018
<i>O. sativa</i>	indica	50	ERR606887	Wang et al. 2018
<i>O. sativa</i>	indica	34	ERR607071	Wang et al. 2018
<i>O. sativa</i>	indica	35	ERR607855	Wang et al. 2018
<i>O. sativa</i>	indica	44	ERR607931	Wang et al. 2018
<i>O. sativa</i>	indica	42	ERR611385	Wang et al. 2018
<i>O. sativa</i>	indica	44	ERR611485	Wang et al. 2018
<i>O. sativa</i>	indica	50	ERR611723	Wang et al. 2018
<i>O. sativa</i>	indica	39	ERR611763	Wang et al. 2018
<i>O. sativa</i>	indica	46	ERR611975	Wang et al. 2018
<i>O. sativa</i>	indica	37	ERR612509	Wang et al. 2018
<i>O. sativa</i>	indica	33	ERR614543	Wang et al. 2018
<i>O. sativa</i>	indica	39	ERR614671	Wang et al. 2018

<i>O. sativa</i>	indica	30	ERR626734	Wang et al. 2018
<i>O. sativa</i>	indica	49	ERR630642	Wang et al. 2018
<i>O. sativa</i>	indica	49	ERR630752	Wang et al. 2018
<i>O. sativa</i>	indica	41	ERR630844	Wang et al. 2018
<i>O. sativa</i>	indica	48	ERR631080	Wang et al. 2018
<i>O. sativa</i>	indica	39	ERR631259	Wang et al. 2018
<i>O. sativa</i>	indica	50	ERR631593	Wang et al. 2018
<i>O. sativa</i>	indica	56	ERR631613	Wang et al. 2018
<i>O. sativa</i>	indica	47	ERR614797	Wang et al. 2018
<i>O. sativa</i>	indica	48	ERR630864	Wang et al. 2018
<i>O. sativa</i>	indica	44	ERR631679	Wang et al. 2018
<i>O. sativa</i>	indica	45	ERR631725	Wang et al. 2018
<i>O. sativa</i>	indica	46	ERR631745	Wang et al. 2018
<i>O. sativa</i>	indica	26	ERR605587	Wang et al. 2018
<i>O. sativa</i>	indica	25	ERR606690	Wang et al. 2018
<i>O. sativa</i>	indica	29	ERR607817	Wang et al. 2018
<i>O. sativa</i>	indica	26	ERR608075	Wang et al. 2018
<i>O. sativa</i>	indica	25	ERR608111	Wang et al. 2018
<i>O. sativa</i>	indica	24	ERR608203	Wang et al. 2018
<i>O. sativa</i>	indica	28	ERR608257	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR609385	Wang et al. 2018
<i>O. sativa</i>	indica	28	ERR609907	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR610367	Wang et al. 2018
<i>O. sativa</i>	indica	26	ERR610733	Wang et al. 2018
<i>O. sativa</i>	indica	29	ERR611251	Wang et al. 2018
<i>O. sativa</i>	indica	29	ERR611359	Wang et al. 2018
<i>O. sativa</i>	indica	29	ERR611405	Wang et al. 2018
<i>O. sativa</i>	indica	29	ERR611929	Wang et al. 2018
<i>O. sativa</i>	indica	28	ERR612299	Wang et al. 2018
<i>O. sativa</i>	indica	29	ERR612535	Wang et al. 2018
<i>O. sativa</i>	indica	26	ERR612813	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR612915	Wang et al. 2018

<i>O. sativa</i>	indica	29	ERR613011	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR613017	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR613533	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR614088	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR614281	Wang et al. 2018
<i>O. sativa</i>	indica	24	ERR615033	Wang et al. 2018
<i>O. sativa</i>	indica	28	ERR615780	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR615915	Wang et al. 2018
<i>O. sativa</i>	indica	28	ERR615965	Wang et al. 2018
<i>O. sativa</i>	indica	28	ERR616060	Wang et al. 2018
<i>O. sativa</i>	indica	28	ERR616554	Wang et al. 2018
<i>O. sativa</i>	indica	28	ERR616967	Wang et al. 2018
<i>O. sativa</i>	indica	25	ERR618181	Wang et al. 2018
<i>O. sativa</i>	indica	26	ERR618187	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR619471	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR619612	Wang et al. 2018
<i>O. sativa</i>	indica	25	ERR619673	Wang et al. 2018
<i>O. sativa</i>	indica	28	ERR619930	Wang et al. 2018
<i>O. sativa</i>	indica	29	ERR620191	Wang et al. 2018
<i>O. sativa</i>	indica	26	ERR620217	Wang et al. 2018
<i>O. sativa</i>	indica	29	ERR620705	Wang et al. 2018
<i>O. sativa</i>	indica	25	ERR623190	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR623496	Wang et al. 2018
<i>O. sativa</i>	indica	28	ERR625102	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR626441	Wang et al. 2018
<i>O. sativa</i>	indica	29	ERR629958	Wang et al. 2018
<i>O. sativa</i>	indica	25	ERR630114	Wang et al. 2018
<i>O. sativa</i>	indica	22	ERR630464	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR635447	Wang et al. 2018
<i>O. sativa</i>	indica	27	ERR661707	Wang et al. 2018
<i>O. sativa</i>	indica	29	ERR977887	Wang et al. 2018
<i>O. sativa</i>	Indica	120	SRR3234372	Zhang et al. 2016a

<i>O. sativa</i>	indica	93	SRR3056468	Mahesh et al. 2016
<i>O. sativa</i>	indica	20	SRR2175888	NCBI
<i>O. sativa</i>	japonica	169	ERR2245515	Zhao et al. 2018
<i>O. sativa</i>	japonica	109	ERR2245517	Zhao et al. 2018
<i>O. sativa</i>	japonica	221	ERR2245522	Zhao et al. 2018
<i>O. sativa</i>	japonica	186	ERR2242623	Zhao et al. 2018
<i>O. sativa</i>	japonica	34	ERR606940	Wang et al. 2018
<i>O. sativa</i>	japonica	44	ERR611091	Wang et al. 2018
<i>O. sativa</i>	japonica	36	ERR612371	Wang et al. 2018
<i>O. sativa</i>	japonica	77	ERR617233	Wang et al. 2018
<i>O. sativa</i>	japonica	33	ERR622439	Wang et al. 2018
<i>O. sativa</i>	japonica	35	ERR630798	Wang et al. 2018
<i>O. sativa</i>	japonica	27	ERR606338	Wang et al. 2018
<i>O. sativa</i>	japonica	29	ERR606825	Wang et al. 2018
<i>O. sativa</i>	japonica	27	ERR606959	Wang et al. 2018
<i>O. sativa</i>	japonica	27	ERR613878	Wang et al. 2018
<i>O. sativa</i>	japonica	27	ERR617277	Wang et al. 2018
<i>O. sativa</i>	japonica	29	ERR619457	Wang et al. 2018
<i>O. sativa</i>	japonica	29	ERR622787	Wang et al. 2018
<i>O. sativa</i>	japonica	28	ERR624803	Wang et al. 2018
<i>O. sativa</i>	japonica	28	ERR625769	Wang et al. 2018
<i>O. sativa</i>	japonica	27	ERR625853	Wang et al. 2018
<i>O. sativa</i>	japonica	23	ERR605485	Wang et al. 2018
<i>O. sativa</i>	japonica	20	ERR605635	Wang et al. 2018
<i>O. sativa</i>	japonica	22	ERR605701	Wang et al. 2018
<i>O. sativa</i>	japonica	22	ERR605976	Wang et al. 2018
<i>O. sativa</i>	japonica	21	ERR607615	Wang et al. 2018
<i>O. sativa</i>	japonica	20	ERR607899	Wang et al. 2018
<i>O. sativa</i>	japonica	23	ERR607995	Wang et al. 2018
<i>O. sativa</i>	japonica	19	ERR608185	Wang et al. 2018
<i>O. sativa</i>	japonica	25	ERR608775	Wang et al. 2018
<i>O. sativa</i>	japonica	26	ERR609345	Wang et al. 2018

<i>O. sativa</i>	japonica	24	ERR612119	Wang et al. 2018
<i>O. sativa</i>	japonica	25	ERR612339	Wang et al. 2018
<i>O. sativa</i>	japonica	25	ERR612661	Wang et al. 2018
<i>O. sativa</i>	japonica	27	ERR613407	Wang et al. 2018
<i>O. sativa</i>	japonica	24	ERR613437	Wang et al. 2018
<i>O. sativa</i>	japonica	26	ERR613866	Wang et al. 2018
<i>O. sativa</i>	japonica	23	ERR613890	Wang et al. 2018
<i>O. sativa</i>	japonica	23	ERR613990	Wang et al. 2018
<i>O. sativa</i>	japonica	23	ERR617649	Wang et al. 2018
<i>O. sativa</i>	japonica	20	ERR617903	Wang et al. 2018
<i>O. sativa</i>	japonica	20	ERR618163	Wang et al. 2018
<i>O. sativa</i>	japonica	21	ERR618199	Wang et al. 2018
<i>O. sativa</i>	japonica	23	ERR618321	Wang et al. 2018
<i>O. sativa</i>	japonica	18	ERR618585	Wang et al. 2018
<i>O. sativa</i>	japonica	19	ERR618717	Wang et al. 2018
<i>O. sativa</i>	japonica	19	ERR620949	Wang et al. 2018
<i>O. sativa</i>	japonica	20	ERR623201	Wang et al. 2018
<i>O. sativa</i>	japonica	26	ERR624816	Wang et al. 2018
<i>O. sativa</i>	japonica	27	ERR626391	Wang et al. 2018
<i>O. sativa</i>	japonica	21	ERR626819	Wang et al. 2018
<i>O. sativa</i>	japonica	72	ERR224519	Zhao et al. 2018
<i>O. sativa</i>	japonica	141	ERR224520	Zhao et al. 2018
<i>O. sativa</i>	japonica	148	ERR224523	Zhao et al. 2018
<i>O. sativa</i>	japonica	112	ERR224524	Zhao et al. 2018
<i>O. sativa</i>	japonica	167	ERR224527	Zhao et al. 2018
<i>O. sativa</i>	japonica	179	ERR2242625	Zhao et al. 2018
<i>O. sativa</i>	japonica	179	ERR224529	Zhao et al. 2018
<i>O. sativa</i>	japonica	166	ERR224532	Zhao et al. 2018
<i>O. sativa</i>	japonica	91	ERR224534	Zhao et al. 2018
<i>O. sativa</i>	japonica	155	ERR224536	Zhao et al. 2018
<i>O. sativa</i>	japonica	145	ERR224539	Zhao et al. 2018
<i>O. sativa</i>	japonica	121	ERR224541	Zhao et al. 2018

<i>O. sativa</i>	japonica	122	ERR2241059	Zhao et al. 2018
<i>O. sativa</i>	japonica	91	ERR2245545	Zhao et al. 2018
<i>O. sativa</i>	japonica	122	ERR2241058	Zhao et al. 2018
<i>O. sativa</i>	japonica	167	ERR2241056	Zhao et al. 2018
<i>O. sativa</i>	japonica	165	ERR2240127	Zhao et al. 2018
<i>O. sativa</i>	japonica	139	ERR2241055	Zhao et al. 2018
<i>O. sativa</i>	japonica	116	ERR2245546	Zhao et al. 2018
<i>O. sativa</i>	japonica	103	ERR2240128	Zhao et al. 2018
<i>O. sativa</i>	japonica	31	ERR607317	Wang et al. 2018
<i>O. sativa</i>	japonica	51	ERR611637	Wang et al. 2018
<i>O. sativa</i>	japonica	31	ERR624716	Wang et al. 2018
<i>O. sativa</i>	japonica	36	ERR622583	Wang et al. 2018
<i>O. sativa</i>	japonica	31	ERR624521	Wang et al. 2018
<i>O. sativa</i>	japonica	37	ERR624985	Wang et al. 2018
<i>O. sativa</i>	japonica	33	ERR625050	Wang et al. 2018
<i>O. sativa</i>	japonica	45	ERR630694	Wang et al. 2018
<i>O. sativa</i>	japonica	36	ERR630714	Wang et al. 2018
<i>O. sativa</i>	japonica	30	ERR978072	Wang et al. 2018
<i>O. sativa</i>	japonica	21	ERR605429	Wang et al. 2018
<i>O. sativa</i>	japonica	19	ERR607651	Wang et al. 2018
<i>O. sativa</i>	japonica	26	ERR608287	Wang et al. 2018
<i>O. sativa</i>	japonica	24	ERR608683	Wang et al. 2018
<i>O. sativa</i>	japonica	21	ERR608907	Wang et al. 2018
<i>O. sativa</i>	japonica	20	ERR609009	Wang et al. 2018
<i>O. sativa</i>	japonica	29	ERR609093	Wang et al. 2018
<i>O. sativa</i>	japonica	21	ERR613683	Wang et al. 2018
<i>O. sativa</i>	japonica	28	ERR620519	Wang et al. 2018
<i>O. sativa</i>	japonica	20	ERR621625	Wang et al. 2018
<i>O. sativa</i>	japonica	21	ERR621937	Wang et al. 2018
<i>O. sativa</i>	japonica	28	ERR622619	Wang et al. 2018
<i>O. sativa</i>	japonica	25	ERR622763	Wang et al. 2018
<i>O. sativa</i>	japonica	23	ERR622775	Wang et al. 2018

<i>O. sativa</i>	japonica	22	ERR622991	Wang et al. 2018
<i>O. sativa</i>	japonica	23	ERR623019	Wang et al. 2018
<i>O. sativa</i>	japonica	27	ERR623389	Wang et al. 2018
<i>O. sativa</i>	japonica	22	ERR625917	Wang et al. 2018
<i>O. sativa</i>	japonica	27	ERR626234	Wang et al. 2018
<i>O. sativa</i>	japonica	19	ERR636673	Wang et al. 2018
<i>O. sativa</i>	japonica	20	ERR636709	Wang et al. 2018
<i>O. sativa</i>	japonica	20	ERR636733	Wang et al. 2018
<i>O. sativa</i>	japonica	25	ERR636955	Wang et al. 2018
<i>O. sativa</i>	japonica	18	ERR636979	Wang et al. 2018
<i>O. sativa</i>	japonica	19	ERR637009	Wang et al. 2018
<i>O. sativa</i>	japonica	20	ERR637051	Wang et al. 2018
<i>O. rufipogon</i>	wild & perennial	141	ERR2245548	Zhao et al. 2018
<i>O. rufipogon</i>	wild & perennial	137	ERR2245549	Zhao et al. 2018
<i>O. rufipogon</i>	wild & perennial	111	ERR2245550	Zhao et al. 2018
<i>O. rufipogon</i>	wild & perennial	120	ERR2245551	Zhao et al. 2018
<i>O. rufipogon</i>	wild & perennial	150	ERR2245552	Zhao et al. 2018
<i>O. rufipogon</i>	wild & perennial	164	ERR2245554	Zhao et al. 2018
<i>O. rufipogon</i>	wild & perennial	89	ERR2245556	Zhao et al. 2018
<i>O. rufipogon</i>	wild & perennial	155	ERR2245557	Zhao et al. 2018
<i>O. rufipogon</i>	wild & perennial	133	ERR2240126	Zhao et al. 2018
<i>O. rufipogon</i>	wild & perennial	137	ERR2240125	Zhao et al. 2018
<i>O. rufipogon</i>	wild & perennial	44	SRR1016473	Fawcett et al. 2013
<i>O. rufipogon</i>	wild & perennial	32	SRR1016475	Fawcett et al. 2013
<i>O. rufipogon</i>	wild & perennial	29	SRR1016477	Fawcett et al. 2013
<i>O. rufipogon</i>	wild & perennial	28	SRR1016481	Fawcett et al. 2013
<i>O. rufipogon</i>	wild & perennial	25	SRR1016483	Fawcett et al. 2013
<i>O. rufipogon</i>	wild & perennial	26	SRR1016485	Fawcett et al. 2013
<i>O. rufipogon</i>	wild & perennial	32	SRR1016487	Fawcett et al. 2013
<i>O. rufipogon</i>	wild & perennial	45	SRR1016489	Fawcett et al. 2013
<i>O. rufipogon</i>	wild & perennial	26	SRR1016492	Fawcett et al. 2013
<i>O. rufipogon</i>	wild & perennial	46	DRR001183	NCBI

<i>O. rufipogon</i>	wild & perennial	46	DRR001184	NCBI
<i>O. rufipogon</i>	wild & perennial	51	DRR001185	NCBI
<i>O. rufipogon</i>	wild & perennial	45	DRR001186	NCBI
<i>O. rufipogon</i>	wild & perennial	38	DRR001187	NCBI
<i>O. rufipogon</i>	wild & perennial	41	DRR001188	NCBI
<i>O. rufipogon</i>	wild & perennial	44	DRR001189	NCBI
<i>O. rufipogon</i>	wild & perennial	44	DRR001190	NCBI
<i>O. rufipogon</i>	wild & perennial	36	DRR088674	NCBI
<i>O. rufipogon</i>	wild & perennial	20	DRR088675	NCBI
<i>O. rufipogon</i>	wild & perennial	24	DRR088681	NCBI
<i>O. rufipogon</i>	wild & perennial	21	DRR088682	NCBI
<i>O. rufipogon</i>	wild & perennial	20	DRR088684	NCBI
<i>O. rufipogon</i>	wild & perennial	22	DRR088685	NCBI
<i>O. rufipogon</i>	wild & perennial	20	DRR088690	NCBI
<i>O. rufipogon</i>	wild & perennial	20	DRR088691	NCBI
<i>O. rufipogon</i>	wild & perennial	84	SRR3180882	NCBI
<i>O. rufipogon</i>	wild & perennial	28	SRR519098	NCBI
<i>O. rufipogon</i>	wild & perennial	38	SRR519100	NCBI
<i>O. rufipogon</i>	wild & perennial	47	SRR5536054	NCBI
<i>O. rufipogon</i>	wild & perennial	53	SRR5536055	NCBI
<i>O. rufipogon</i>	wild & perennial	18	DRR088676	NCBI
<i>O. rufipogon</i>	wild & perennial	16	DRR088677	NCBI
<i>O. rufipogon</i>	wild & perennial	19	DRR088680	NCBI
<i>O. rufipogon</i>	wild & perennial	19	DRR088683	NCBI
<i>O. rufipogon</i>	wild & perennial	19	DRR088686	NCBI
<i>O. rufipogon</i>	wild & perennial	15	DRR088687	NCBI
<i>O. rufipogon</i>	wild & perennial	16	DRR088688	NCBI
<i>O. rufipogon</i>	wild & perennial	16	DRR088689	NCBI
<i>O. rufipogon</i>	wild & perennial	19	DRR088692	NCBI
<i>O. rufipogon</i>	wild & perennial	17	DRR088693	NCBI
<i>O. rufipogon</i>	wild & perennial	16	DRR088694	NCBI
<i>O. rufipogon</i>	wild & perennial	19	SRR8324860	Lou et al. 2015

<i>O. rufipogon</i>	wild & perennial	18	SRR8324919	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	18	SRR8324916	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	17	SRR8324913	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	19	SRR8324911	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	17	SRR8324908	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	18	SRR8324907	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	16	SRR8324888	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	19	SRR8324880	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	20	SRR8324857	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	22	SRR8324859	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	22	SRR8324861	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	23	SRR8324862	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	25	SRR8324863	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	23	SRR8324864	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	20	SRR8324877	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	23	SRR8324878	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	22	SRR8324879	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	22	SRR8324881	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	20	SRR8324882	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	22	SRR8324883	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	22	SRR8324884	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	20	SRR8324885	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	20	SRR8324886	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	21	SRR8324887	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	23	SRR8324889	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	21	SRR8324890	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	20	SRR8324891	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	20	SRR8324892	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	24	SRR8324894	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	21	SRR8324895	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	23	SRR8324896	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	20	SRR8324909	Lou et al. 2015

<i>O. rufipogon</i>	wild & perennial	21	SRR8324910	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	22	SRR8324912	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	23	SRR8324914	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	20	SRR8324915	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	21	SRR8324918	Lou et al. 2015
<i>O. rufipogon</i>	wild & perennial	23	SRR8324920	Lou et al. 2015
<i>O. sativa</i>	aus	156	ERR224512	Zhao et al. 2018
<i>O. sativa</i>	aus	333	ERR2241057	Zhao et al. 2018
<i>O. sativa</i>	aus	208	ERR2240124	Zhao et al. 2018
<i>O. sativa</i>	aus	34	ERR622357	Wang et al. 2018
<i>O. sativa</i>	aus	37	ERR610126	Wang et al. 2018
<i>O. sativa</i>	aus	41	ERR622253	Wang et al. 2018
<i>O. sativa</i>	aus	38	ERR606520	Wang et al. 2018
<i>O. sativa</i>	aus	36	ERR606436	Wang et al. 2018
<i>O. sativa</i>	aus	28	ERR625797	Wang et al. 2018
<i>O. sativa</i>	aus	20	ERR623168	Wang et al. 2018
<i>O. sativa</i>	aus	22	ERR624547	Wang et al. 2018
<i>O. sativa</i>	aus	34	ERR635180	Wang et al. 2018
<i>O. sativa</i>	aus	21	ERR625368	Wang et al. 2018
<i>O. sativa</i>	aus	36	ERR606450	Wang et al. 2018
<i>O. sativa</i>	aus	33	ERR605277	Wang et al. 2018
<i>O. sativa</i>	aus	22	ERR605509	Wang et al. 2018
<i>O. sativa</i>	aus	26	ERR606138	Wang et al. 2018
<i>O. sativa</i>	aus	24	ERR606214	Wang et al. 2018
<i>O. sativa</i>	aus	27	ERR606226	Wang et al. 2018
<i>O. sativa</i>	aus	33	ERR606506	Wang et al. 2018
<i>O. sativa</i>	aus	31	ERR609887	Wang et al. 2018
<i>O. sativa</i>	aus	33	ERR612451	Wang et al. 2018
<i>O. sativa</i>	aus	26	ERR612969	Wang et al. 2018
<i>O. sativa</i>	aus	22	ERR618339	Wang et al. 2018
<i>O. sativa</i>	aromatic	17	ERR606102	Wang et al. 2018
<i>O. sativa</i>	aromatic	25	ERR606560	Wang et al. 2018

<i>O. sativa</i>	aromatic	28	ERR606598	Wang et al. 2018
<i>O. sativa</i>	aromatic	36	ERR609633	Wang et al. 2018
<i>O. sativa</i>	aromatic	30	ERR610043	Wang et al. 2018
<i>O. sativa</i>	aromatic	52	ERR614068	Wang et al. 2018
<i>O. sativa</i>	aromatic	18	ERR614201	Wang et al. 2018
<i>O. sativa</i>	aromatic	18	ERR616652	Wang et al. 2018
<i>O. sativa</i>	aromatic	16	ERR618073	Wang et al. 2018
<i>O. sativa</i>	aromatic	25	ERR618133	Wang et al. 2018
<i>O. sativa</i>	aromatic	21	ERR625755	Wang et al. 2018
<i>O. sativa</i>	aromatic	26	ERR625839	Wang et al. 2018
<i>O. sativa</i>	aromatic	29	ERR625867	Wang et al. 2018
<i>O. sativa</i>	aromatic	26	ERR626324	Wang et al. 2018
<i>O. sativa</i>	aromatic	18	ERR630470	Wang et al. 2018
<i>O. sativa</i>	aromatic	21	ERR630476	Wang et al. 2018
<i>O. sativa</i>	aromatic	20	ERR630500	Wang et al. 2018
<i>O. sativa</i>	aromatic	44	ERR635284	Wang et al. 2018
<i>O. nivara</i>	wild & annual	29	SRR1743122	Huang et al. 2018
<i>O. nivara</i>	wild & annual	106	SRR7341624	NCBI
<i>O. nivara</i>	wild & annual	68	SRR1707282	Zhang et al. 2014
<i>O. nivara</i>	wild & annual	20	SRR1450140	Ammiraju et al. 2006
<i>O. nivara</i>	wild & annual	18	SRR1450141	Ammiraju et al. 2006
<i>O. nivara</i>	wild & annual	162	SRR1450143	Ammiraju et al. 2006
<i>O. nivara</i>	wild & annual	147	SRR1450144	Ammiraju et al. 2006
<i>O. longistaminata</i>		27	DRR000463	Khush 1997
<i>O. longistaminata</i>		21	DRR058041	NCBI
<i>O. longistaminata</i>		58	SRR413986	Reuscher et al. 2018
<i>O. meridionalis</i>		154	SRR1450058	Stein et al. 2018
<i>O. meridionalis</i>		157	SRR1450059	Stein et al. 2018
<i>O. meridionalis</i>		156	SRR1450061	Stein et al. 2018

* References are provided at the end of the document.

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