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A blast resistance gene *Pi65* with LRR-RLK domain is required for resistance to *M. oryzae*

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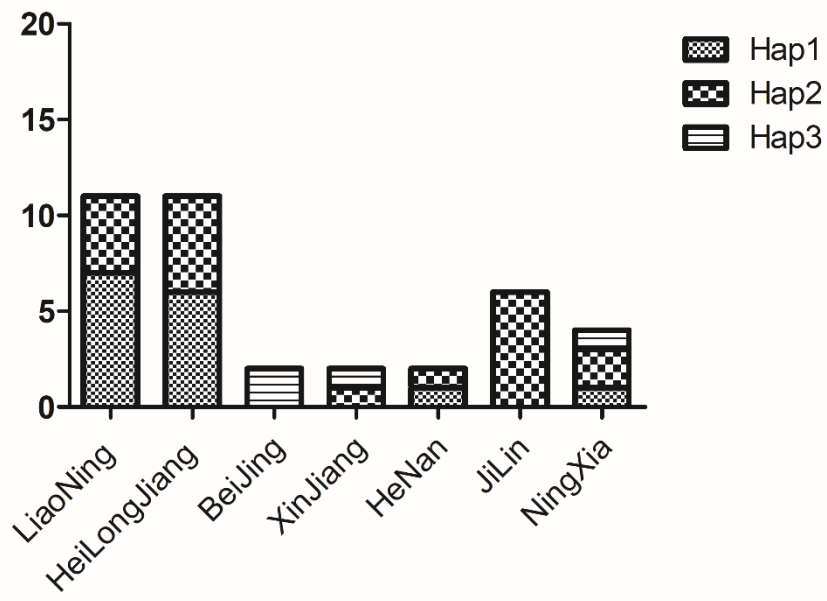


Fig. S2 Distributions of three haplotypes at the *Pi65* locus in rice varieties from different regions.

Table S1 Primer sequences

Gene	Primer	Primer sequence	Purpose
Os11t0694600	F	<u>TGTGTGCACTGCCATTGCTCTTGCT</u>	CRISPR/Cas9 sgRNA1
	R	<u>AAACAGCAAGAGCAATGGCAGTGCA</u>	
	F	<u>TGTGTGGCAAGAATGCCGAGAGGGT</u>	CRISPR/Cas9 sgRNA2
	R	<u>AAACACCCTCTCGGCATTCTTGCCA</u>	
Os11t0694850	F	<u>TGTGTGGGCCTGCAAGTTAAGGTGT</u>	CRISPR/Cas9
	R	<u>AAACACACCTTAACCTGCAGGCCCA</u>	
Os11t0694600	F	GTAAAACGACGGCCAGT	Test CRISPR/Cas9 editing sites
	R	AAACAGCAAGAGCAATGGCAGTGCA	
Os11t0694850	F	GTAAAACGACGGCCAGT	Test CRISPR/Cas9 editing sites
	R	AAACACACCTTAACCTGCAGGCCCA	
Os11g0694500	F	ATGATCAGCAGCACAACAGATAT	Sequence analysis
	R	TTAACAACTCACAACCTGGGAAAG	
Os11t0694600	F	ATGATTCCTGTCTTGCCAACG	Sequence analysis
	R	CAGAAGCAGAAATGGACACAG	
Os11g0694850	F	ATGCCAATCCTCCAACACC	Sequence analysis
	R	TCACTGCTGCACAACGCTCA	
Os11g0695000	F	TGCAGCTCTTTCTCTCCAAT	Sequence analysis
	R	GGTACCGCCTCCACCTGCTG	
Os11t0694600	F	<u>caggtcgactctagag</u> ATGGCGTTTAGAATGCCAGTACGGA	Pi65 clone
	R	<u>agctcggtagccggg</u> TCATTCTTTTCGTATATGCAGGCAGGGCCAC	
Actin1	F	CAACACCCCTGCTATGTACG	Rice Actin
	R	CACCAGAGTCCAACACAA	
Os11t0694600	F	TACTCCAATTATCTCACC GGAA	qRT-PCR
	R	GTTATTCGAAAGGTCTAGCACAA	
35s::GFP-Pi65	F	<u>ctcccctgctccgtagatcc</u> ATGGCGTTTAGAATGCCAGTACGGA	Intracellular localization of Pi65
	R	<u>gccttgctcaccatgtagatcc</u> TTCTTTTCGTATATGCAGGCAGGGCCAC	

The underline represents the cleavage site junction

Table S2 Plasmids used in this study

	Description	Purpose
ZmUbi, OsU6, Hpt	CRISPR/CAS9 vector for <i>Pi65</i> gene	CRISPR/Cas9
pCambia1301-UbiN	full-length <i>Pi65</i> cDNA coding sequence in GY129 at the BamH1 sites of pCambia1301-UbiN	overexpression
HBT95::sGFP-NOS	Subcellular localization of Pi65	Transient expression of Pi65

Table S3 Haplotypes at the *Pi65* locus in different rice varieties and their disease reactions

Accession No.	Vartity	Origin	Reaction	Haplotype
1	Gangyu129	Liaoning	R	Hap1
2	Liaoxing1	Liaoning	S	Hap2
3	Danjing17	Liaoning	R	Hap1
4	Danjing18	Liaoning	R	Hap1
5	Danjing20	Liaoning	R	Hap1
6	Dan219	Liaoning	S	Hap1
7	Suojing18	Heilongjiang	S	Hap2
8	Suojing21	Heilongjiang	S	Hap2
9	Kendao27	Heilongjiang	R	Hap1
10	Kendao31	Heilongjiang	S	Hap1
11	Kendao32	Heilongjiang	R	Hap1
12	Kendao33	Heilongjiang	S	Hap2
13	Tiejing7	Liaoning	S	Hap1
14	Tiejing11	Liaoning	S	Hap2
15	Tiejing15	Liaoning	S	Hap2
16	Tiejing1605	Liaoning	S	Hap2
17	Jijing515	Jilin	R	Hap2
18	Jijing528	Jilin	S	Hap2
19	Jijing809	Jilin	R	Hap2
20	Tonghe99	Jilin	R	Hap2
21	Tongyu269	Jilin	R	Hap2
22	Tongyu256	Jilin	S	Hap2
23	Yunongjing11	Henan	S	Hap2
24	Yunongjing16	Henan	R	Hap1
25	Xingnongjing3	Xinjinag	R	Hap3
26	Xindao36	Xinjinag	R	Hap2
27	Jingdao2	Beijing	R	Hap3
28	Jingdao3	Beijing	R	Hap3
29	Fuyuan4	Ningxia	R	Hap2
30	2009G-19	Ningxia	S	Hap2
31	Ningjing43	Ningxia	R	Hap3
32	Ningjing48	Ningxia	R	Hap1
33	Kenjing8	Heilongjiang	S	Hap2
34	Longjing20	Heilongjiang	R	Hap1
35	Longjing39	Heilongjiang	R	Hap1
36	Longjing46	Heilongjiang	R	Hap1
37	Longjing47	Heilongjiang	S	Hap2
38	C787	Liaoning	R	Hap1

Table S4 Sequence analysis of haplotypes at the *Pi65* locus in different rice varieties

Nonsynonymous substitutions within CDS at <i>Pi65</i> locus																			
Hap	229 ^a	494	562	646	1222	1264	1276	1307	1704	1876	1992	2222	2431	2512	3264	3311	3383	No. of varieties	Reaction to QY-
Hap1	C	A	G	C	C	C	T	T	G	T	A	G	T	G	G	A	A	15 ^b	R ^c
Hap2	T	G	A	T	A	A	C	C	C	G	C	A	C	A	G	G	C	19	R/S
Hap3	C	A	G	C	C	C	T	T	G	T	A	G	T	G	A	A	A	4	S

Hap1 is the GY129 genotype.

Hap2 is the NIP genotype.

Hap3 is the JD 2 genotype.

^aThe SNP positions were based on GY129 genomic DNA.

^bTotal number of varieties with the corresponding haplotype.

^cR indicates resistance and S indicates susceptible evaluated seven days post-inoculation.

Table S5 GY129-specifically expressed DEGs

Gene ID	Regulated	
ChrSy.fgenes.h.gene.50	down	hypothetical protein OsI_37895 [Oryza sativa Indica Group]
ChrSy.fgenes.h.gene.71	down	von Willebrand factor type A domain containing protein, expressed [Oryza sativa Japonica Group]
ChrSy.fgenes.h.gene.86	up	PREDICTED: uncharacterized protein LOC9266628 [Oryza sativa Japonica Group]
ChrUn.fgenes.h.gene.74	down	PREDICTED: uncharacterized protein LOC4325727 [Oryza sativa Japonica Group]
ChrUn.fgenes.h.gene.85	down	Putative SWI/SNF related, matrix associated, actin dependent regulator of chromatin [Oryza sativa]
LOC_Os01g01090	down	putative gypsy-type retrotransposon protein [Oryza sativa Japonica Group]
LOC_Os01g01130	up	PREDICTED: snurportin-1 [Oryza sativa Japonica Group]
LOC_Os01g01170	up	PREDICTED: uncharacterized protein LOC4326464 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g01307	up	Os01g0102700 [Oryza sativa Japonica Group]
LOC_Os01g01312	up	hypothetical protein OsI_00025 [Oryza sativa Indica Group]
LOC_Os01g01450	down	hypothetical protein OsJ_00036 [Oryza sativa Japonica Group]
LOC_Os01g01670	down	PREDICTED: stress response protein NST1 [Oryza sativa Japonica Group]
LOC_Os01g02020	up	PREDICTED: acetyl-CoA acetyltransferase, cytosolic 1 [Oryza sativa Japonica Group]
LOC_Os01g02320	down	putative rust resistance kinase Lr10 [Oryza sativa Japonica Group]
LOC_Os01g02350	up	PREDICTED: glycerophosphodiester phosphodiesterase protein kinase domain-containing GDPDL2-like [Oryza sativa Japonica Group]
LOC_Os01g02360	up	PREDICTED: probable receptor-like protein kinase At5g39020 [Oryza sativa Japonica Group]
LOC_Os01g02470	up	hypothetical protein OsJ_00125 [Oryza sativa Japonica Group]
LOC_Os01g02500	up	Os01g0115200 [Oryza sativa Japonica Group]
LOC_Os01g02750	up	PREDICTED: probable receptor-like protein kinase At5g39030 [Oryza sativa Japonica Group]
LOC_Os01g02780	up	putative rust resistance kinase Lr10 [Oryza sativa Japonica Group]
LOC_Os01g02800	up	PREDICTED: probable receptor-like protein kinase At1g67000 [Oryza sativa Japonica Group]
LOC_Os01g02860	down	hypothetical protein OsJ_00157 [Oryza sativa Japonica Group]
LOC_Os01g03144	down	PREDICTED: ABC transporter G family member 7 [Oryza sativa Japonica Group]
LOC_Os01g03310	down	PREDICTED: Bowman-Birk type bran trypsin inhibitor [Oryza sativa Japonica Group]
LOC_Os01g03549	up	PREDICTED: multicopper oxidase LPR1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g03690	up	unnamed protein product [Oryza sativa Japonica Group]

LOC_Os01g03830	up	putative gag-pol polyprotein [Oryza sativa Japonica Group]
LOC_Os01g03940	up	PREDICTED: CASP-like protein 4A2 [Oryza sativa Japonica Group]
LOC_Os01g03980	up	PREDICTED: zinc finger protein ZIC 2 [Oryza sativa Japonica Group]
LOC_Os01g04030	down	PREDICTED: probable signal peptidase complex subunit 3 [Oryza sativa Japonica Group]
LOC_Os01g04050	down	PREDICTED: Bowman-Birk type wound-induced proteinase inhibitor WIP1 [Oryza sativa Japonica Group]
LOC_Os01g04350	down	PREDICTED: 17.9 kDa heat shock protein 2 [Oryza sativa Japonica Group]
LOC_Os01g04360	down	Os01g0136050, partial [Oryza sativa Japonica Group]
LOC_Os01g04409	up	PREDICTED: probable serine/threonine-protein kinase At1g18390 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g04480	up	putative receptor serine/threonine kinase PR5K [Oryza sativa Japonica Group]
LOC_Os01g04580	up	PREDICTED: probable receptor-like protein kinase At1g67000 [Oryza sativa Japonica Group]
LOC_Os01g04640	down	PREDICTED: reticulon-like protein B9 [Oryza sativa Japonica Group]
LOC_Os01g04800	up	PREDICTED: AP2/ERF and B3 domain-containing protein Os01g0141000 [Oryza sativa Japonica Group]
LOC_Os01g04860	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os01g05064	up	unknown protein [Oryza sativa Japonica Group]
LOC_Os01g05480	down	PREDICTED: uncharacterized protein LOC4325210 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g05540	up	PREDICTED: uncharacterized protein LOC4325216 [Oryza sativa Japonica Group]
LOC_Os01g05640	up	putative protein kinase Xa21 [Oryza sativa Japonica Group]
LOC_Os01g05900	up	RecName: Full=Histone H2B.10
LOC_Os01g06020	down	PREDICTED: aspartate--tRNA ligase, chloroplastic/mitochondrial [Oryza sativa Japonica Group]
LOC_Os01g06220	down	PREDICTED: probable carboxylesterase 15 [Oryza sativa Japonica Group]
LOC_Os01g06280	up	Os01g0155500, partial [Oryza sativa Japonica Group]
LOC_Os01g06310	down	hypothetical protein OsI_00467 [Oryza sativa Indica Group]
LOC_Os01g06600	up	PREDICTED: acyl-coenzyme A oxidase 4, peroxisomal [Oryza sativa Japonica Group]
LOC_Os01g06882	up	unknown protein [Oryza sativa Japonica Group]
LOC_Os01g07170	up	hypothetical protein OsI_00538 [Oryza sativa Indica Group]
LOC_Os01g07270	down	P0028E10.4 [Oryza sativa Japonica Group]
LOC_Os01g07970	up	PREDICTED: homeobox even-skipped homolog protein 2 [Oryza sativa Japonica Group]
LOC_Os01g08110	up	PREDICTED: UDP-glycosyltransferase 73C6 [Oryza sativa Japonica Group]
LOC_Os01g08130	down	non-phototropic hypocotyl 3 -like [Oryza sativa Japonica Group]

LOC_Os01g08370	down	putative disease resistance protein [Oryza sativa Japonica Group]
LOC_Os01g08600	down	Os12g0528801, partial [Oryza sativa Japonica Group]
LOC_Os01g08760	up	PREDICTED: probable choline kinase 1 [Oryza sativa Japonica Group]
LOC_Os01g08770	down	PREDICTED: probable U3 small nucleolar RNA-associated protein 7 [Oryza sativa Japonica Group]
LOC_Os01g08890	down	PREDICTED: putative uncharacterized protein DDB_G0290521 [Oryza sativa Japonica Group]
LOC_Os01g08960	up	PREDICTED: phosducin-like protein 3 [Oryza sativa Japonica Group]
LOC_Os01g09150	up	PREDICTED: uncharacterized protein LOC107278147 [Oryza sativa Japonica Group]
LOC_Os01g09290	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os01g09420	up	PREDICTED: uncharacterized protein LOC4326773 [Oryza sativa Japonica Group]
LOC_Os01g09460	down	PREDICTED: hexokinase-8 isoform X2 [Oryza sativa Japonica Group]
LOC_Os01g09660	down	PREDICTED: uncharacterized protein LOC107276840 [Oryza sativa Japonica Group]
LOC_Os01g10140	down	PREDICTED: probable RNA-dependent RNA polymerase 4 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g10250	up	hypothetical protein OsI_00779 [Oryza sativa Indica Group]
LOC_Os01g10260	up	PREDICTED: uncharacterized protein LOC4327344 [Oryza sativa Japonica Group]
LOC_Os01g10504	down	PREDICTED: MADS-box transcription factor 3 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g10830	up	PREDICTED: enoyl-CoA delta isomerase 2, peroxisomal [Oryza sativa Japonica Group]
LOC_Os01g10850	down	PREDICTED: peroxidase P7 [Oryza sativa Japonica Group]
LOC_Os01g11054	up	PREDICTED: phosphoenolpyruvate carboxylase 1 [Oryza sativa Japonica Group]
LOC_Os01g11160	up	PREDICTED: cationic amino acid transporter 5 [Oryza sativa Japonica Group]
LOC_Os01g11230	down	PREDICTED: heme-binding protein 2 [Oryza sativa Japonica Group]
LOC_Os01g11520	up	PREDICTED: RING-H2 finger protein ATL46 [Oryza sativa Japonica Group]
LOC_Os01g11700	down	PREDICTED: GDSL esterase/lipase At2g27360 [Oryza sativa Japonica Group]
LOC_Os01g12304	up	Os01g0223000, partial [Oryza sativa Japonica Group]
LOC_Os01g12320	down	PREDICTED: GDSL esterase/lipase At5g45910 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g12400	down	Os01g0223700 [Oryza sativa Japonica Group]
LOC_Os01g12420	up	PREDICTED: G-type lectin S-receptor-like serine/threonine-protein kinase At2g19130 [Oryza sativa Japonica Group]
LOC_Os01g12464	down	PREDICTED: uncharacterized protein LOC4326731 [Oryza sativa Japonica Group]
LOC_Os01g12550	up	hypothetical protein OsI_00969 [Oryza sativa Indica Group]
LOC_Os01g12650	down	PREDICTED: reticulon-like protein B1 [Oryza sativa Japonica Group]

LOC_Os01g12720	down	PREDICTED: proline-rich receptor-like protein kinase PERK1 [Oryza sativa Japonica Group]
LOC_Os01g12770	down	PREDICTED: cytochrome P450 71A1 [Oryza sativa Japonica Group]
LOC_Os01g12920	down	PREDICTED: acyl-coenzyme A thioesterase 13 [Oryza sativa Japonica Group]
LOC_Os01g13030	down	PREDICTED: auxin-responsive protein IAA3 [Oryza sativa Japonica Group]
LOC_Os01g13320	down	PREDICTED: pectinesterase [Oryza sativa Japonica Group]
LOC_Os01g13610	up	PREDICTED: isoflavone reductase homolog IRL [Oryza sativa Japonica Group]
LOC_Os01g13720	down	PREDICTED: protein NUCLEAR FUSION DEFECTIVE 6, chloroplastic/mitochondrial isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g14050	down	PREDICTED: C2 domain-containing protein At1g53590 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g14070	down	PREDICTED: 60S ribosomal protein L18a-like protein [Oryza sativa Japonica Group]
LOC_Os01g14110	down	hypothetical protein OsI_01129 [Oryza sativa Indica Group]
LOC_Os01g14820	down	Os01g0251000 [Oryza sativa Japonica Group]
LOC_Os01g15170	down	hypothetical protein OsI_01230 [Oryza sativa Indica Group]
LOC_Os01g15240	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os01g15399	down	hypothetical protein OsJ_01162 [Oryza sativa Japonica Group]
LOC_Os01g15610	down	PREDICTED: uncharacterized protein LOC4325117 [Oryza sativa Japonica Group]
LOC_Os01g15860	down	hypothetical protein OsI_01280 [Oryza sativa Indica Group]
LOC_Os01g16030	down	hypothetical protein OsI_01294 [Oryza sativa Indica Group]
LOC_Os01g16040	down	PREDICTED: thylakoid ADP,ATP carrier protein, chloroplastic [Oryza sativa Japonica Group]
LOC_Os01g16080	up	PREDICTED: uncharacterized protein LOC4326211 [Oryza sativa Japonica Group]
LOC_Os01g16146	down	PREDICTED: uncharacterized isomerase BH0283 isoform X2 [Oryza sativa Japonica Group]
LOC_Os01g16170	up	PREDICTED: uncharacterized protein LOC4324377 [Oryza sativa Japonica Group]
LOC_Os01g16240	up	hypothetical protein CDL15_Pgr003035 [Punica granatum]
LOC_Os01g16310	up	PREDICTED: alpha-glucosidase YihQ [Oryza sativa Japonica Group]
LOC_Os01g16530	down	PREDICTED: ATP-dependent Clp protease proteolytic subunit-related protein 4, chloroplastic [Oryza sativa Japonica Group]
LOC_Os01g16980	up	PREDICTED: uncharacterized protein LOC9271754 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g17000	down	PREDICTED: cyclic dof factor 2 [Oryza sativa Japonica Group]
LOC_Os01g17050	down	Os01g0278000 [Oryza sativa Japonica Group]
LOC_Os01g18080	down	PREDICTED: protein TsetseEP [Oryza sativa Japonica Group]
LOC_Os01g18210	down	PREDICTED: peptidyl-prolyl cis-trans isomerase A1 [Oryza sativa Japonica Group]

LOC_Os01g18310	down	PREDICTED: uncharacterized protein LOC107280149 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g18850	up	PREDICTED: squamosa promoter-binding-like protein 1 isoform X3 [Oryza sativa Japonica Group]
LOC_Os01g19200	down	OSIGBa0142I02-OSIGBa0101B20.6 [Oryza sativa]
LOC_Os01g19470	up	PREDICTED: nodal modulator 1 [Oryza sativa Japonica Group]
LOC_Os01g19548	down	PREDICTED: pentatricopeptide repeat-containing protein At4g01990, mitochondrial [Oryza sativa Japonica Group]
LOC_Os01g19600	down	putative transposase family tnp2 [Oryza sativa Japonica Group]
LOC_Os01g19630	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os01g19800	down	PREDICTED: uncharacterized protein LOC4323902 [Oryza sativa Japonica Group]
LOC_Os01g20200	down	Transposase family protein [Oryza sativa Japonica Group]
LOC_Os01g21170	down	Os01g0314200 [Oryza sativa Japonica Group]
LOC_Os01g22352	down	PREDICTED: peroxidase 1 [Oryza sativa Japonica Group]
LOC_Os01g22480	up	PREDICTED: F-box protein SKIP23 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g22520	down	PREDICTED: dihydrolipoyl dehydrogenase 1, mitochondrial [Oryza sativa Japonica Group]
LOC_Os01g22600	up	PREDICTED: solute carrier family 25 member 44 [Oryza sativa Japonica Group]
LOC_Os01g23380	up	PREDICTED: disease resistance protein RPM1 [Oryza sativa Japonica Group]
LOC_Os01g23640	up	PREDICTED: AMSH-like ubiquitin thioesterase 3 [Oryza sativa Japonica Group]
LOC_Os01g24020	down	PREDICTED: LYR motif-containing protein At3g19508 [Oryza sativa Japonica Group]
LOC_Os01g25010	down	PREDICTED: protein SRG1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g25189	down	hypothetical protein OsJ_01709 [Oryza sativa Japonica Group]
LOC_Os01g25270	down	PREDICTED: pentatricopeptide repeat-containing protein At4g14850 [Oryza sativa Japonica Group]
LOC_Os01g25330	up	Os01g0355600, partial [Oryza sativa Japonica Group]
LOC_Os01g25386	up	PREDICTED: ABC transporter C family member 4 [Oryza sativa Japonica Group]
LOC_Os01g25970	up	hypothetical polyprotein [Oryza sativa Japonica Group]
LOC_Os01g26020	up	PREDICTED: uncharacterized protein LOC9269555 [Oryza sativa Japonica Group]
LOC_Os01g26280	up	Os01g0364800 [Oryza sativa Japonica Group]
LOC_Os01g26970	down	PREDICTED: uncharacterized protein LOC4325729 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g27120	down	Hypothetical protein [Oryza sativa]
LOC_Os01g27140	down	PREDICTED: glutaredoxin-C1 [Oryza sativa Japonica Group]
LOC_Os01g27480	up	PREDICTED: probable glutathione S-transferase GSTF1 [Oryza sativa Japonica Group]

LOC_Os01g27720	up	PREDICTED: probable E3 ubiquitin-protein ligase LUL2 [Oryza sativa Japonica Group]
LOC_Os01g27890	up	Os01g0377000 [Oryza sativa Japonica Group]
LOC_Os01g28790	down	PREDICTED: uncharacterized protein LOC4325431 [Oryza sativa Japonica Group]
LOC_Os01g29104	down	Os04g0275950, partial [Oryza sativa Japonica Group]
LOC_Os01g29450	up	PH01B001I13.4 [Phyllostachys edulis]
LOC_Os01g31610	down	PREDICTED: tyrosine--tRNA ligase, chloroplastic/mitochondrial [Oryza sativa Japonica Group]
LOC_Os01g31850	down	Os01g0503300 [Oryza sativa Japonica Group]
LOC_Os01g32350	down	putative ATP-dependent Clp protease, proteolytic subunit [Oryza sativa Japonica Group]
LOC_Os01g32750	up	PREDICTED: transcription initiation factor TFIID subunit 6 [Oryza sativa Japonica Group]
LOC_Os01g32849	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os01g33410	up	PREDICTED: zinc finger BED domain-containing protein RICESLEEPER 4 [Oryza sativa Japonica Group]
LOC_Os01g33420	down	PREDICTED: uncharacterized protein LOC4323975 [Oryza sativa Japonica Group]
LOC_Os01g34374	down	putative transposase family tnp2 [Oryza sativa Japonica Group]
LOC_Os01g34690	down	hypothetical protein OsJ_02078 [Oryza sativa Japonica Group]
LOC_Os01g35330	up	PREDICTED: angiotensin-like [Oryza sativa Japonica Group]
LOC_Os01g35590	down	Os01g0538200 [Oryza sativa Japonica Group]
LOC_Os01g36294	down	hypothetical protein OsJ_02144 [Oryza sativa Japonica Group]
LOC_Os01g36350	down	putative P450 [Oryza sativa Japonica Group]
LOC_Os01g36390	down	hypothetical protein OsJ_02146 [Oryza sativa Japonica Group]
LOC_Os01g36620	up	hypothetical protein OsI_02351 [Oryza sativa Indica Group]
LOC_Os01g36790	up	PREDICTED: cysteine-rich receptor-like protein kinase 2 [Oryza sativa Japonica Group]
LOC_Os01g36970	down	Os01g0550600 [Oryza sativa Japonica Group]
LOC_Os01g37610	down	transposon protein, putative, unclassified [Oryza sativa Japonica Group]
LOC_Os01g37690	down	PREDICTED: vacuolar cation/proton exchanger 1a [Oryza sativa Japonica Group]
LOC_Os01g38660	up	PREDICTED: keratin, type II cytoskeletal 1 [Oryza sativa Japonica Group]
LOC_Os01g39250	up	PREDICTED: ATP-dependent zinc metalloprotease FTSH 4, mitochondrial [Oryza sativa Japonica Group]
LOC_Os01g39260	up	PREDICTED: ATP-dependent zinc metalloprotease FTSH 5, mitochondrial [Oryza sativa Japonica Group]
LOC_Os01g39890	up	Os01g0580800 [Oryza sativa Japonica Group]
LOC_Os01g40660	up	PREDICTED: putative methyltransferase DDB_G0268948 [Oryza sativa Japonica Group]

LOC_Os01g41250	up	PREDICTED: F-box/FBD/LRR-repeat protein At1g13570 [Oryza sativa Japonica Group]
LOC_Os01g42090	down	PREDICTED: bidirectional sugar transporter SWEET6b [Oryza sativa Japonica Group]
LOC_Os01g42190	down	PREDICTED: dnaJ homolog subfamily B member 7 [Oryza sativa Japonica Group]
LOC_Os01g42200	down	PREDICTED: mulatexin [Oryza sativa Japonica Group]
LOC_Os01g42460	down	hypothetical protein OsJ_02569 [Oryza sativa Japonica Group]
LOC_Os01g42880	up	PREDICTED: 3'-N-debenzoyl-2'-deoxytaxol N-benzoyltransferase [Oryza sativa Japonica Group]
LOC_Os01g43290	down	hypothetical protein OsI_02901 [Oryza sativa Indica Group]
LOC_Os01g43390	down	PREDICTED: uroporphyrinogen decarboxylase 1, chloroplastic [Oryza sativa Japonica Group]
LOC_Os01g43430	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os01g43480	up	PREDICTED: peroxisomal biogenesis factor 6 [Oryza sativa Japonica Group]
LOC_Os01g43500	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os01g43590	down	heat shock factor RHSF13 [Oryza sativa Japonica Group]
LOC_Os01g43750	up	PREDICTED: cytochrome P450 72A15 [Oryza sativa Japonica Group]
LOC_Os01g43910	down	PREDICTED: mitogen-activated protein kinase 10 isoform X2 [Oryza sativa Japonica Group]
LOC_Os01g43950	down	PREDICTED: transcription factor PAR2 [Oryza sativa Japonica Group]
LOC_Os01g44040	down	PREDICTED: protein REDUCED WALL ACETYLATION 3 [Oryza sativa Japonica Group]
LOC_Os01g44390	down	PREDICTED: protein RADIALIS-like 2 [Oryza sativa Japonica Group]
LOC_Os01g44394	up	PREDICTED: protein RAE1 [Oryza sativa Japonica Group]
LOC_Os01g44950	up	PREDICTED: long-chain-fatty-acid--AMP ligase FadD26-like [Oryza sativa Japonica Group]
LOC_Os01g44980	down	PREDICTED: peptide deformylase 1B, chloroplastic-like [Oryza sativa Japonica Group]
LOC_Os01g45020	up	Os01g0637100 [Oryza sativa Japonica Group]
LOC_Os01g45274	down	PREDICTED: carbonic anhydrase, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g45390	up	PREDICTED: HD domain-containing protein 2 homolog [Oryza sativa Japonica Group]
LOC_Os01g45670	down	Os01g0644400 [Oryza sativa Japonica Group]
LOC_Os01g45914	down	unknown [Oryza sativa Indica Group]
LOC_Os01g46169	up	lipase-like [Oryza sativa Japonica Group]
LOC_Os01g46240	down	PREDICTED: phospholipase A1-II 1 [Oryza sativa Japonica Group]
LOC_Os01g46760	down	PREDICTED: probable protein phosphatase 2C 8 [Oryza sativa Japonica Group]
LOC_Os01g46926	down	PREDICTED: ubiquitin-conjugating enzyme E2 5A [Oryza sativa Japonica Group]

LOC_Os01g46932	up	PREDICTED: vacuolar protein sorting-associated protein 25 [Oryza sativa Japonica Group]
LOC_Os01g47050	down	PREDICTED: F-box/kelch-repeat protein At3g61590 [Oryza sativa Japonica Group]
LOC_Os01g47420	up	PREDICTED: putative pterin-4-alpha-carbinolamine dehydratase [Oryza sativa Japonica Group]
LOC_Os01g47450	down	hypothetical protein OsI_03161 [Oryza sativa Indica Group]
LOC_Os01g47460	down	PREDICTED: uncharacterized protein LOC4327867 [Oryza sativa Japonica Group]
LOC_Os01g47600	up	PREDICTED: high mobility group B protein 14 [Oryza sativa Japonica Group]
LOC_Os01g48010	up	hypothetical protein OsI_03210 [Oryza sativa Indica Group]
LOC_Os01g48030	up	PREDICTED: uncharacterized protein LOC9266245 [Oryza sativa Japonica Group]
LOC_Os01g48060	down	PREDICTED: auxin response factor 2 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g48220	down	PREDICTED: uncharacterized protein LOC4325902 [Oryza sativa Japonica Group]
LOC_Os01g48320	up	PREDICTED: trihelix transcription factor ASIL2 [Oryza sativa Japonica Group]
LOC_Os01g48360	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os01g48620	up	PREDICTED: uncharacterized protein LOC4325269 [Oryza sativa Japonica Group]
LOC_Os01g48760	up	PREDICTED: UPF0678 fatty acid-binding protein-like protein At1g79260 [Oryza sativa Japonica Group]
LOC_Os01g48950	up	PREDICTED: uncharacterized protein LOC4324397 [Oryza sativa Japonica Group]
LOC_Os01g49026	up	PREDICTED: ER membrane protein complex subunit 6 [Oryza sativa Japonica Group]
LOC_Os01g49230	up	glucosyltransferase NTGT2-like [Oryza sativa Japonica Group]
LOC_Os01g49250	up	PREDICTED: protein-lysine N-methyltransferase Mettl10 [Oryza sativa Japonica Group]
LOC_Os01g49310	up	PREDICTED: uncharacterized protein LOC4324116 [Oryza sativa Japonica Group]
LOC_Os01g49360	down	PREDICTED: L-gulonolactone oxidase 3 [Oryza sativa Japonica Group]
LOC_Os01g50040	up	PREDICTED: uncharacterized protein LOC4323891 [Oryza sativa Japonica Group]
LOC_Os01g50470	down	PREDICTED: uncharacterized protein LOC4326924 isoform X2 [Oryza sativa Japonica Group]
LOC_Os01g50940	up	PREDICTED: transcription factor bHLH13 [Oryza sativa Japonica Group]
LOC_Os01g50970	down	PREDICTED: uncharacterized protein LOC4327672 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g50980	down	hypothetical protein OsJ_03187 [Oryza sativa Japonica Group]
LOC_Os01g51020	down	PREDICTED: 60S ribosomal protein L28-1 [Oryza sativa Japonica Group]
LOC_Os01g51410	down	PREDICTED: glycine dehydrogenase (decarboxylating), mitochondrial [Oryza sativa Japonica Group]
LOC_Os01g52120	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os01g52240	down	PREDICTED: chlorophyll a-b binding protein of LHCII type 1 [Oryza sativa Japonica Group]

LOC_Os01g52250	down	PREDICTED: probable starch synthase 4, chloroplastic/amyloplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g52320	up	PREDICTED: putative disease resistance protein RGA3 [Oryza sativa Japonica Group]
LOC_Os01g52340	up	PREDICTED: disease resistance protein RGA2 [Oryza sativa Japonica Group]
LOC_Os01g52780	down	hypothetical protein OsJ_03330 [Oryza sativa Japonica Group]
LOC_Os01g52864	up	Os01g0729100, partial [Oryza sativa Japonica Group]
LOC_Os01g53090	up	PREDICTED: pathogen-related protein [Oryza sativa Japonica Group]
LOC_Os01g53420	up	PREDICTED: UDP-glycosyltransferase 88B1 [Oryza sativa Japonica Group]
LOC_Os01g53660	up	Os01g0738500, partial [Oryza sativa Japonica Group]
LOC_Os01g53779	down	Os01g0740300 [Oryza sativa Japonica Group]
LOC_Os01g53930	down	PREDICTED: hexokinase-6 [Oryza sativa Japonica Group]
LOC_Os01g53990	down	PREDICTED: probable pectinesterase 53 [Oryza sativa Japonica Group]
LOC_Os01g54020	down	PREDICTED: tryptophan--tRNA ligase, chloroplastic/mitochondrial isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g54380	up	PREDICTED: pentatricopeptide repeat-containing protein At2g27800, mitochondrial [Oryza sativa Japonica Group]
LOC_Os01g54440	up	PREDICTED: uncharacterized protein LOC9270858 [Oryza sativa Japonica Group]
LOC_Os01g54580	up	PREDICTED: probable sugar phosphate/phosphate translocator At1g06470 [Oryza sativa Japonica Group]
LOC_Os01g54810	down	lipase (class 3)-like protein [Oryza sativa Japonica Group]
LOC_Os01g54890	up	PREDICTED: pathogenesis-related genes transcriptional activator PTI5 [Oryza sativa Japonica Group]
LOC_Os01g54930	up	putative vascular plant one zinc finger protein [Oryza sativa Japonica Group]
LOC_Os01g55110	up	PREDICTED: RING-H2 finger protein ATL39 [Oryza sativa Japonica Group]
LOC_Os01g55270	down	PREDICTED: calyculin-binding protein [Oryza sativa Japonica Group]
LOC_Os01g55280	down	Os01g0757600 [Oryza sativa Japonica Group]
LOC_Os01g55350	down	putative phosphoenolpyruvate carboxylase 1 [Oryza sativa Japonica Group]
LOC_Os01g55410	down	PREDICTED: uncharacterized protein LOC4325608 isoform X2 [Oryza sativa Japonica Group]
LOC_Os01g55500	up	PREDICTED: nucleobase-ascorbate transporter 2 [Oryza sativa Japonica Group]
LOC_Os01g55530	up	PREDICTED: uncharacterized protein LOC4325620 [Oryza sativa Japonica Group]
LOC_Os01g55650	up	PREDICTED: triacylglycerol lipase SDP1 [Oryza sativa Japonica Group]
LOC_Os01g55700	up	PREDICTED: mitochondrial import inner membrane translocase subunit TIM50 [Oryza sativa Japonica Group]
LOC_Os01g55799	up	PREDICTED: exocyst complex component EXO70B1 [Oryza sativa Japonica Group]
LOC_Os01g56350	down	PREDICTED: protein PLASTID TRANSCRIPTIONALLY ACTIVE 12 isoform X3 [Oryza sativa Japonica Group]

LOC_Os01g56490	up	PREDICTED: ubiquitin carboxyl-terminal hydrolase 13 [Oryza sativa Japonica Group]
LOC_Os01g56600	up	PREDICTED: signal recognition particle 54 kDa protein 2 [Oryza sativa Japonica Group]
LOC_Os01g56810	down	PREDICTED: cytokinin dehydrogenase 5 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g56860	up	PREDICTED: WD repeat-containing protein 13 [Oryza sativa Japonica Group]
LOC_Os01g56870	down	PREDICTED: uncharacterized protein LOC4327893 isoform X2 [Oryza sativa Japonica Group]
LOC_Os01g56940	down	PREDICTED: exonuclease 1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g57066	up	PREDICTED: vacuole membrane protein KMS1 [Oryza sativa Japonica Group]
LOC_Os01g57220	up	PREDICTED: secretory carrier-associated membrane protein 2 [Oryza sativa Japonica Group]
LOC_Os01g57420	down	PREDICTED: diacylglycerol kinase 5 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g57490	up	hypothetical protein OsJ_03699 [Oryza sativa Japonica Group]
LOC_Os01g57599	up	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os01g57730	down	PREDICTED: peroxidase 56 [Oryza sativa Japonica Group]
LOC_Os01g57740	down	Os01g0787400, partial [Oryza sativa Japonica Group]
LOC_Os01g57840	down	PREDICTED: nuclear transport factor 2 [Oryza sativa Japonica Group]
LOC_Os01g57942	down	cytochrome b6 (chloroplast) [Oryza barthii]
LOC_Os01g57946	down	Chloroplast RNA polymerase alpha chain [Oryza sativa Japonica Group]
LOC_Os01g57960	down	H0321H01.8 [Oryza sativa]
LOC_Os01g57962	down	Chloroplast photosystem I P700 apoprotein A2 [Oryza sativa Japonica Group]
LOC_Os01g57964	down	photosystem I P700 chlorophyll A apoprotein A1 (chloroplast) [Oryza sativa Indica Group]
LOC_Os01g57968	down	chloroplast hypothetical protein (mitochondrion) [Zea mays subsp. mays]
LOC_Os01g58020	down	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit, partial (chloroplast) [Oryza sativa]
LOC_Os01g58049	down	photosystem I assembly protein ycf4 (chloroplast) [Oryza australiensis]
LOC_Os01g58100	down	PREDICTED: aureusidin synthase [Oryza sativa Japonica Group]
LOC_Os01g58114	up	PREDICTED: uncharacterized protein LOC4324130 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g58150	down	hypothetical protein OsJ_03739 [Oryza sativa Japonica Group]
LOC_Os01g58400	up	PREDICTED: putative E3 ubiquitin-protein ligase RING1a isoform X2 [Oryza sativa Japonica Group]
LOC_Os01g58510	up	PREDICTED: probable disease resistance protein At5g45440 [Oryza sativa Japonica Group]
LOC_Os01g58530	up	PREDICTED: probable disease resistance protein At4g27220 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g58750	up	PREDICTED: uncharacterized protein LOC4327965 [Oryza sativa Japonica Group]

LOC_Os01g58780	down	PREDICTED: E3 ubiquitin-protein ligase RING1 [Oryza sativa Japonica Group]
LOC_Os01g59190	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os01g59350	up	bZIP transcription factor [Oryza sativa Japonica Group]
LOC_Os01g59690	down	PREDICTED: F-box protein At4g18380 [Oryza sativa Japonica Group]
LOC_Os01g59730	down	PREDICTED: 60S ribosomal protein L30 [Oryza sativa Japonica Group]
LOC_Os01g59840	down	RecName: Full=Beta-glucosidase 3; Short=Os1bglu3; Flags: Precursor
LOC_Os01g60060	down	PREDICTED: probable leucine-rich repeat receptor-like protein kinase At5g49770 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g60780	down	Os01g0823200 [Oryza sativa Japonica Group]
LOC_Os01g60900	down	PREDICTED: EPIDERMAL PATTERNING FACTOR-like protein 8 isoform X2 [Oryza sativa Japonica Group]
LOC_Os01g60960	down	PREDICTED: LOB domain-containing protein 15 [Oryza sativa Japonica Group]
LOC_Os01g61060	up	PREDICTED: uncharacterized protein LOC4327516 [Oryza sativa Japonica Group]
LOC_Os01g61120	up	PREDICTED: uncharacterized protein LOC4327520 [Oryza sativa Japonica Group]
LOC_Os01g61150	up	unknown protein [Oryza sativa Japonica Group]
LOC_Os01g61320	down	PREDICTED: forkhead box protein G1 [Oryza sativa Japonica Group]
LOC_Os01g61500	down	PREDICTED: BAG family molecular chaperone regulator 4 [Oryza sativa Japonica Group]
LOC_Os01g61560	up	PREDICTED: probable phyto kinase 2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os01g61760	down	PREDICTED: interactor of constitutive active ROPs 2, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g61780	up	PREDICTED: V-type proton ATPase subunit a1 [Oryza sativa Japonica Group]
LOC_Os01g61910	down	PREDICTED: protein NETWORKED 2A isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g61990	up	RecName: Full=Ankyrin repeat-containing protein NPR4; Short=OsNPR4
LOC_Os01g62060	up	PREDICTED: uncharacterized protein LOC4327369 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g62130	up	hypothetical protein OsI_04363 [Oryza sativa Indica Group]
LOC_Os01g62440	down	PREDICTED: ribonuclease II, chloroplastic/mitochondrial [Oryza sativa Japonica Group]
LOC_Os01g62460	up	PREDICTED: scarecrow-like protein 9 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g62660	down	PREDICTED: WAS protein family homolog 1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g63160	down	PREDICTED: transcription factor RAX1 [Oryza sativa Japonica Group]
LOC_Os01g63260	up	PREDICTED: steroid 5-alpha-reductase DET2 [Oryza sativa Japonica Group]
LOC_Os01g63280	up	PREDICTED: calmodulin-binding receptor-like cytoplasmic kinase 2 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g63340	down	putative transposase family tnp2 [Oryza sativa Japonica Group]

LOC_Os01g63540	down	PREDICTED: cytochrome P450 86A1 [Oryza sativa Japonica Group]
LOC_Os01g63830	down	PREDICTED: isoprenyl transferase [Oryza sativa Japonica Group]
LOC_Os01g64100	down	PREDICTED: acidic endochitinase [Oryza sativa Japonica Group]
LOC_Os01g64230	down	hypothetical protein OsI_35062 [Oryza sativa Indica Group]
LOC_Os01g64256	down	PREDICTED: uncharacterized protein LOC4324741 [Oryza sativa Japonica Group]
LOC_Os01g64262	up	Os01g0862000 [Oryza sativa Japonica Group]
LOC_Os01g64410	down	PREDICTED: transcription repressor OFP13 [Oryza sativa Japonica Group]
LOC_Os01g64450	up	PREDICTED: protein YLS9 [Oryza sativa Japonica Group]
LOC_Os01g64680	down	protein BOLA2 [Sorghum bicolor]
LOC_Os01g64700	down	PREDICTED: tubby-like F-box protein 3 [Oryza sativa Japonica Group]
LOC_Os01g64980	up	PREDICTED: probable ion channel POLLUX isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g65030	up	hypothetical protein OsJ_04236 [Oryza sativa Japonica Group]
LOC_Os01g65090	down	PREDICTED: bifunctional aspartate aminotransferase and glutamate/aspartate-prephenate aminotransferase [Oryza sativa Japonica Group]
LOC_Os01g65100	down	PREDICTED: uncharacterized protein LOC4324944 [Oryza sativa Japonica Group]
LOC_Os01g65330	up	PREDICTED: uncharacterized protein LOC4324768 [Oryza sativa Japonica Group]
LOC_Os01g65370	down	PREDICTED: myb-related protein 308 [Oryza sativa Japonica Group]
LOC_Os01g65450	up	PREDICTED: ubiquitin-like domain-containing CTD phosphatase [Oryza sativa Japonica Group]
LOC_Os01g65510	down	PREDICTED: F-box protein At5g07610 [Oryza sativa Japonica Group]
LOC_Os01g65660	down	PREDICTED: amino acid permease 8 [Oryza sativa Japonica Group]
LOC_Os01g65700	up	PREDICTED: dirigent protein 19 [Oryza sativa Japonica Group]
LOC_Os01g65986	up	PREDICTED: probable magnesium transporter NIPA4 [Oryza sativa Japonica Group]
LOC_Os01g65992	up	PREDICTED: uncharacterized protein LOC4324997 [Oryza sativa Japonica Group]
LOC_Os01g66020	up	PREDICTED: probable receptor-like protein kinase At1g11050 [Oryza sativa Japonica Group]
LOC_Os01g66130	up	PREDICTED: U-box domain-containing protein 4 [Oryza sativa Japonica Group]
LOC_Os01g66160	up	Os01g0884800 [Oryza sativa Japonica Group]
LOC_Os01g66190	up	PREDICTED: uncharacterized protein LOC4324881 [Oryza sativa Japonica Group]
LOC_Os01g66240	up	PREDICTED: abhydrolase domain-containing protein C22H12.03 [Oryza sativa Japonica Group]
LOC_Os01g66330	down	PREDICTED: CLP protease regulatory subunit CLPX1, mitochondrial isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g66360	down	PREDICTED: 2-C-methyl-D-erythritol 4-phosphate cytidyltransferase, chloroplastic isoform X1 [Oryza sativa Japonica Group]

LOC_Os01g66500	down	PREDICTED: probable phosphoribosylformylglycinamide synthase, chloroplastic/mitochondrial isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g66690	up	PREDICTED: TPR repeat-containing protein ZIP4 [Oryza sativa Japonica Group]
LOC_Os01g66710	down	PREDICTED: probable rhamnogalacturonase B [Oryza sativa Japonica Group]
LOC_Os01g66920	up	PREDICTED: putative metallophosphoesterase At3g03305 [Oryza sativa Japonica Group]
LOC_Os01g67210	down	PREDICTED: pentatricopeptide repeat-containing protein At3g02650, mitochondrial [Oryza sativa Japonica Group]
LOC_Os01g67220	down	PREDICTED: beta-glucosidase 4 isoform X2 [Oryza sativa Japonica Group]
LOC_Os01g67330	down	PREDICTED: CMP-sialic acid transporter 3 [Oryza sativa Japonica Group]
LOC_Os01g67520	down	PREDICTED: GDP-L-galactose phosphorylase 2 [Oryza sativa Japonica Group]
LOC_Os01g67810	down	PREDICTED: uncharacterized protein LOC4325023 [Oryza sativa Japonica Group]
LOC_Os01g67850	down	PREDICTED: uncharacterized protein LOC4325026 [Oryza sativa Japonica Group]
LOC_Os01g67860	down	PREDICTED: fructose-bisphosphate aldolase cytoplasmic isozyme-like [Oryza sativa Japonica Group]
LOC_Os01g68324	up	PREDICTED: dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2 [Oryza sativa Japonica Group]
LOC_Os01g68470	up	hypothetical protein OsJ_04512 [Oryza sativa Japonica Group]
LOC_Os01g68480	up	PREDICTED: thioredoxin F, chloroplastic [Oryza sativa Japonica Group]
LOC_Os01g68490	up	PREDICTED: pentatricopeptide repeat-containing protein At3g29230 [Oryza sativa Japonica Group]
LOC_Os01g68598	down	PREDICTED: EPIDERMAL PATTERNING FACTOR-like protein 9 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g68710	up	PREDICTED: peptidyl-prolyl cis-trans isomerase FKBP15-1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g68960	down	PREDICTED: uncharacterized protein LOC107280547 [Oryza sativa Japonica Group]
LOC_Os01g69070	down	PREDICTED: probable auxin efflux carrier component 6 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g70010	up	putative 60S ribosomal protein L7A [Oryza sativa Japonica Group]
LOC_Os01g70160	down	PREDICTED: E3 ubiquitin-protein ligase At3g02290 [Oryza sativa Japonica Group]
LOC_Os01g70170	up	PREDICTED: transaldolase [Oryza sativa Japonica Group]
LOC_Os01g70200	down	PREDICTED: probable glucuronosyltransferase Os01g0926700 [Oryza sativa Japonica Group]
LOC_Os01g70210	up	PREDICTED: random slug protein 5 [Oryza sativa Japonica Group]
LOC_Os01g70260	down	PREDICTED: inactive leucine-rich repeat receptor-like protein kinase CORYNE [Oryza sativa Japonica Group]
LOC_Os01g70310	down	transcription factor ICE1-like [Oryza sativa Japonica Group]
LOC_Os01g70340	down	PREDICTED: uncharacterized protein LOC4326963 [Oryza sativa Japonica Group]
LOC_Os01g70380	up	PREDICTED: long chain base biosynthesis protein 2d [Oryza sativa Japonica Group]
LOC_Os01g70470	up	PREDICTED: uncharacterized protein LOC4326943 [Oryza sativa Japonica Group]

LOC_Os01g70930	down	PREDICTED: protein SRG1 [Oryza sativa Japonica Group]
LOC_Os01g71460	down	PREDICTED: uncharacterized protein LOC4326053 [Oryza sativa Japonica Group]
LOC_Os01g71740	down	PREDICTED: amino-acid permease BAT1 homolog [Oryza sativa Japonica Group]
LOC_Os01g71970	up	PREDICTED: scarecrow-like protein 3 isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g72260	up	PREDICTED: cytochrome P450 94B3 [Oryza sativa Japonica Group]
LOC_Os01g72520	down	PREDICTED: non-specific phospholipase C2 [Oryza sativa Japonica Group]
LOC_Os01g72980	down	PREDICTED: tRNA uridine 5-carboxymethylaminomethyl modification enzyme MnmG isoform X1 [Oryza sativa Japonica Group]
LOC_Os01g72990	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At1g06840 isoform X2 [Oryza sativa Japonica Group]
LOC_Os01g73160	down	PREDICTED: 40S ribosomal protein S10-like [Oryza brachyantha]
LOC_Os01g73250	down	PREDICTED: homeotic protein female sterile [Oryza sativa Japonica Group]
LOC_Os01g73430	down	putative DNA-directed RNA polymerase II largest subunit [Oryza sativa Japonica Group]
LOC_Os01g73790	down	PREDICTED: UDP-D-apiose/UDP-D-xylose synthase [Oryza sativa Japonica Group]
LOC_Os01g73960	up	PREDICTED: protein DEHYDRATION-INDUCED 19 homolog 5 [Oryza sativa Japonica Group]
LOC_Os01g74190	down	PREDICTED: probable dual-specificity RNA methyltransferase RlmN [Oryza sativa Japonica Group]
LOC_Os01g74210	down	Ulp1 protease family, C-terminal catalytic domain, putative [Oryza sativa Japonica Group]
LOC_Os01g74510	down	PREDICTED: protein NETWORKED 2D [Oryza sativa Japonica Group]
LOC_Os01g74550	down	putative light repressible receptor protein kinase [Oryza sativa Japonica Group]
LOC_Os01g74650	down	PREDICTED: cysteine synthase [Oryza sativa Japonica Group]
LOC_Os02g01080	up	hypothetical protein OsI_05450 [Oryza sativa Indica Group]
LOC_Os02g01220	down	PREDICTED: thiosulfate sulfurtransferase 18 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g02070	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os02g02120	up	PREDICTED: wall-associated receptor kinase 5 [Oryza sativa Japonica Group]
LOC_Os02g02230	up	Os02g0113200 [Oryza sativa Japonica Group]
LOC_Os02g02380	down	PREDICTED: WD repeat-containing protein RUP2-like [Oryza sativa Japonica Group]
LOC_Os02g02390	down	PREDICTED: uncharacterized protein LOC4328072 [Oryza sativa Japonica Group]
LOC_Os02g02530	up	PREDICTED: signal peptide peptidase 1 [Oryza sativa Japonica Group]
LOC_Os02g02550	down	PREDICTED: peptidyl-prolyl cis-trans isomerase FKBP18, chloroplastic [Oryza sativa Japonica Group]
LOC_Os02g02740	up	PREDICTED: pentatricopeptide repeat-containing protein At2g17670 [Oryza sativa Japonica Group]
LOC_Os02g02770	down	PREDICTED: pentatricopeptide repeat-containing protein At2g17033 [Oryza sativa Japonica Group]

LOC_Os02g02870	up	PREDICTED: glycine-rich protein 2 [Oryza sativa Japonica Group]
LOC_Os02g03010	down	hypothetical protein OsI_05647 [Oryza sativa Indica Group]
LOC_Os02g03240	down	transposon protein, putative, Mutator sub-class, expressed [Oryza sativa Japonica Group]
LOC_Os02g03410	up	PREDICTED: calcium-dependent protein kinase 16 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g03460	down	putative phosphatidate cytidyltransferase domain-containing protein [Oryza sativa Japonica Group]
LOC_Os02g03700	up	Os02g0129700 [Oryza sativa Japonica Group]
LOC_Os02g03710	up	--
LOC_Os02g03720	down	PREDICTED: uncharacterized protein LOC4328186 [Oryza sativa Japonica Group]
LOC_Os02g03950	up	PREDICTED: E3 ubiquitin-protein ligase MARCH2 isoform X6 [Oryza sativa Japonica Group]
LOC_Os02g04160	up	PREDICTED: transcription elongation factor 1 homolog [Oryza sativa Japonica Group]
LOC_Os02g04330	down	hypothetical protein OsI_05763 [Oryza sativa Indica Group]
LOC_Os02g04340	up	Os02g0136000 [Oryza sativa Japonica Group]
LOC_Os02g04430	down	PREDICTED: protein STRUBBELIG-RECEPTOR FAMILY 1 isoform X2 [Oryza sativa Japonica Group]
LOC_Os02g04500	down	PREDICTED: ribosomal RNA small subunit methyltransferase H [Oryza sativa Japonica Group]
LOC_Os02g04510	up	PREDICTED: uncharacterized protein LOC4328240 [Oryza sativa Japonica Group]
LOC_Os02g04710	up	PREDICTED: cycloartenol synthase isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g04730	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os02g05030	down	hypothetical protein OsJ_05345 [Oryza sativa Japonica Group]
LOC_Os02g05630	up	PREDICTED: probable protein phosphatase 2C 10 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g05686	down	hypothetical protein OsJ_05392 [Oryza sativa Japonica Group]
LOC_Os02g05744	down	PREDICTED: endoglucanase 5 [Oryza sativa Japonica Group]
LOC_Os02g05820	up	PREDICTED: putative U-box domain-containing protein 53 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g05920	down	Os02g0153200 [Oryza sativa Japonica Group]
LOC_Os02g05970	up	PREDICTED: tyrosine-sulfated glycopeptide receptor 1 [Oryza sativa Japonica Group]
LOC_Os02g06160	up	PREDICTED: probable L-type lectin-domain containing receptor kinase S.5 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g06260	down	Os02g0157200 [Oryza sativa Japonica Group]
LOC_Os02g06340	down	PREDICTED: EH domain-containing protein 1 [Oryza sativa Japonica Group]
LOC_Os02g06460	up	hypothetical protein OsJ_05459 [Oryza sativa Japonica Group]
LOC_Os02g06520	up	PREDICTED: F-box protein At2g39490 [Oryza sativa Japonica Group]

LOC_Os02g06820	down	hypothetical protein OsI_05969 [Oryza sativa Indica Group]
LOC_Os02g07150	up	PREDICTED: urease accessory protein F isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g07230	down	PREDICTED: porphobilinogen deaminase, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g07310	up	PREDICTED: protein argonaute 17 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g07450	up	PREDICTED: nuclear transcription factor Y subunit C-2 [Oryza sativa Japonica Group]
LOC_Os02g07820	down	hypothetical protein OsI_06053 [Oryza sativa Indica Group]
LOC_Os02g07830	down	PREDICTED: probable cation transporter HKT6 [Oryza sativa Japonica Group]
LOC_Os02g08500	up	PREDICTED: two-component response regulator ORR24 [Oryza sativa Japonica Group]
LOC_Os02g09130	up	PREDICTED: protein S-acyltransferase 24 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g09380	down	PREDICTED: PH domain-containing protein DDB_G0287875 [Oryza sativa Japonica Group]
LOC_Os02g09390	down	hypothetical protein OsI_06149 [Oryza sativa Indica Group]
LOC_Os02g09440	down	hypothetical protein OsJ_05675 [Oryza sativa Japonica Group]
LOC_Os02g09490	down	PREDICTED: cinnamyl alcohol dehydrogenase 2 [Oryza sativa Japonica Group]
LOC_Os02g09510	up	PREDICTED: cinnamate beta-D-glucosyltransferase [Oryza sativa Japonica Group]
LOC_Os02g09650	up	PREDICTED: ethylene-responsive transcription factor 3 [Oryza sativa Japonica Group]
LOC_Os02g10040	up	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os02g10120	down	PREDICTED: lipoxygenase 2.3, chloroplastic [Oryza sativa Japonica Group]
LOC_Os02g10550	up	hypothetical protein OsI_06258 [Oryza sativa Indica Group]
LOC_Os02g10580	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os02g10740	down	PREDICTED: calcium-binding mitochondrial carrier protein SCaMC-3 [Oryza sativa Japonica Group]
LOC_Os02g10770	up	hypothetical protein OsJ_05798 [Oryza sativa Japonica Group]
LOC_Os02g10860	down	Os02g0203000 [Oryza sativa Japonica Group]
LOC_Os02g11680	down	flavonoid glucosyl-transferase-like [Oryza sativa Japonica Group]
LOC_Os02g11870	up	PREDICTED: uncharacterized protein LOC4328696 [Oryza sativa Japonica Group]
LOC_Os02g11960	up	Os02g0211000 [Oryza sativa Japonica Group]
LOC_Os02g12290	up	PREDICTED: nuclear ribonuclease Z [Oryza sativa Japonica Group]
LOC_Os02g12420	up	putative protein kinase Xa21 [Oryza sativa Japonica Group]
LOC_Os02g12580	up	PREDICTED: serine/threonine-protein phosphatase PP2A-3 catalytic subunit [Oryza sativa Japonica Group]
LOC_Os02g12660	down	PREDICTED: U-box domain-containing protein 35 [Oryza sativa Japonica Group]

LOC_Os02g12750	down	PREDICTED: tetraspanin-2 [Oryza sativa Japonica Group]
LOC_Os02g13190	up	PREDICTED: probable F-box protein At4g22030 [Oryza sativa Japonica Group]
LOC_Os02g13290	down	PREDICTED: inorganic pyrophosphatase 2 [Oryza sativa Japonica Group]
LOC_Os02g13780	up	Os02g0231700 [Oryza sativa Japonica Group]
LOC_Os02g13950	down	PREDICTED: uncharacterized protein LOC4328817 [Oryza sativa Japonica Group]
LOC_Os02g13970	down	PREDICTED: uncharacterized protein LOC4328820 [Oryza sativa Japonica Group]
LOC_Os02g14000	up	PREDICTED: actin-related protein 2/3 complex subunit 3 [Oryza sativa Japonica Group]
LOC_Os02g14290	down	hypothetical protein OsJ_06026 [Oryza sativa Japonica Group]
LOC_Os02g14490	down	PREDICTED: uncharacterized protein LOC107275964 [Oryza sativa Japonica Group]
LOC_Os02g14770	up	PREDICTED: phosphoenolpyruvate carboxylase 1 [Oryza sativa Japonica Group]
LOC_Os02g14929	down	PREDICTED: T-complex protein 1 subunit gamma [Oryza sativa Japonica Group]
LOC_Os02g15500	down	PREDICTED: putative UPF0481 protein At3g02645 [Oryza sativa Japonica Group]
LOC_Os02g15540	up	PREDICTED: uncharacterized protein LOC4328909 [Oryza sativa Japonica Group]
LOC_Os02g15870	up	PREDICTED: cyclic pyranopterin monophosphate synthase, mitochondrial [Oryza sativa Japonica Group]
LOC_Os02g15930	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os02g16060	up	Os02g0261300 [Oryza sativa Japonica Group]
LOC_Os02g16070	up	Os02g0261400 [Oryza sativa Japonica Group]
LOC_Os02g17090	up	PREDICTED: subtilisin-like protease SBT3.9 [Oryza sativa Japonica Group]
LOC_Os02g17292	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os02g17320	up	PREDICTED: uridine kinase-like protein 3 [Oryza sativa Japonica Group]
LOC_Os02g17380	up	PREDICTED: RNA-binding protein Raly [Oryza sativa Japonica Group]
LOC_Os02g17400	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At4g36180 [Oryza sativa Japonica Group]
LOC_Os02g17470	up	PREDICTED: basic salivary proline-rich protein 3 [Oryza sativa Japonica Group]
LOC_Os02g17520	up	PREDICTED: cytochrome c-type biogenesis CcmH-like mitochondrial protein [Oryza sativa Japonica Group]
LOC_Os02g17620	down	PREDICTED: probable inactive nicotinamidase At3g16190 [Oryza sativa Japonica Group]
LOC_Os02g17680	down	PREDICTED: transcription factor bHLH133 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g18450	down	PREDICTED: GTP-binding protein TypA/BipA homolog [Oryza sativa Japonica Group]
LOC_Os02g18510	up	hypothetical protein OsJ_06284 [Oryza sativa Japonica Group]
LOC_Os02g18612	down	Os02g0287700 [Oryza sativa Japonica Group]

LOC_Os02g18640	up	PREDICTED: uncharacterized protein LOC4329044 [Oryza sativa Japonica Group]
LOC_Os02g19440	down	PREDICTED: sirohydrochlorin ferrochelatae isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g19629	down	Os02g0298900 [Oryza sativa Japonica Group]
LOC_Os02g19950	down	Os02g0302500 [Oryza sativa Japonica Group]
LOC_Os02g20360	up	PREDICTED: nicotianamine aminotransferase A [Oryza sativa Japonica Group]
LOC_Os02g20540	down	PREDICTED: fasciclin-like arabinogalactan protein 6 [Oryza sativa Japonica Group]
LOC_Os02g20860	down	PREDICTED: ATP synthase mitochondrial F1 complex assembly factor 1 [Oryza sativa Japonica Group]
LOC_Os02g21009	up	PREDICTED: vacuolar cation/proton exchanger 1c isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g21080	up	PREDICTED: oligosaccharyltransferase complex subunit oste [Oryza sativa Japonica Group]
LOC_Os02g21090	down	PREDICTED: transcription factor bHLH144 [Oryza sativa Japonica Group]
LOC_Os02g21550	down	PREDICTED: protein SRG1 isoform X2 [Oryza sativa Japonica Group]
LOC_Os02g21890	down	PREDICTED: inactive protein FON2 SPARE1 [Oryza sativa Japonica Group]
LOC_Os02g21920	up	PREDICTED: uncharacterized protein LOC4329181 [Oryza sativa Japonica Group]
LOC_Os02g22070	down	Os02g0326200 [Oryza sativa Japonica Group]
LOC_Os02g24080	up	PREDICTED: SNAP25 homologous protein SNAP33 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g24632	down	rice chloroplast PSII 43kDa protein [Oryza sativa Japonica Group]
LOC_Os02g24634	down	rice chloroplast PSII D2 protein [Oryza sativa Japonica Group]
LOC_Os02g25840	down	pentatricopeptide (PPR) repeat-containing protein-like [Oryza sativa Japonica Group]
LOC_Os02g26650	up	hypothetical protein OsJ_06658 [Oryza sativa Japonica Group]
LOC_Os02g27200	up	PREDICTED: FAD-dependent urate hydroxylase isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g27360	up	PREDICTED: aspartic proteinase-like protein 2 [Oryza sativa Japonica Group]
LOC_Os02g28720	down	PREDICTED: U-box domain-containing protein 9 [Oryza sativa Japonica Group]
LOC_Os02g28820	down	PREDICTED: uncharacterized protein LOC4329382 [Oryza sativa Japonica Group]
LOC_Os02g29160	up	PREDICTED: ankyrin-2 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g29380	down	PREDICTED: protein ROS1 [Oryza sativa Japonica Group]
LOC_Os02g30190	up	hypothetical protein OsJ_06844 [Oryza sativa Japonica Group]
LOC_Os02g30230	up	PREDICTED: exocyst complex component EXO70B1 [Oryza sativa Japonica Group]
LOC_Os02g31070	down	PREDICTED: uncharacterized protein LOC4329472 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g31074	up	Os02g0515100 [Oryza sativa Japonica Group]

LOC_Os02g31100	up	PREDICTED: lipopolysaccharide-induced tumor necrosis factor-alpha factor homolog isoform X2 [Oryza sativa Japonica Group]
LOC_Os02g31860	up	PREDICTED: uncharacterized protein LOC4329482 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g31922	down	--
LOC_Os02g32350	up	PREDICTED: staphylococcal nuclease domain-containing protein 1 [Oryza sativa Japonica Group]
LOC_Os02g32360	down	putative polyprotein [Oryza sativa Japonica Group]
LOC_Os02g32370	up	PREDICTED: inositol polyphosphate multikinase IPK2 [Oryza sativa Japonica Group]
LOC_Os02g32504	down	PREDICTED: heparan-alpha-glucosaminide N-acetyltransferase isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g32540	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os02g32590	down	PREDICTED: heat stress transcription factor A-3 [Oryza sativa Japonica Group]
LOC_Os02g32615	down	Os02g0527650 [Oryza sativa Japonica Group]
LOC_Os02g32760	down	PREDICTED: 60S acidic ribosomal protein P2A [Oryza sativa Japonica Group]
LOC_Os02g32814	down	Os02g0530100, partial [Oryza sativa Japonica Group]
LOC_Os02g32930	down	PREDICTED: probable sodium/metabolite cotransporter BASS4, chloroplastic [Oryza sativa Japonica Group]
LOC_Os02g32990	up	PREDICTED: uncharacterized protein LOC4329552 [Oryza sativa Japonica Group]
LOC_Os02g33420	down	PREDICTED: chaperone protein ClpB1-like [Oryza sativa Japonica Group]
LOC_Os02g33600	up	PREDICTED: protein MKS1 [Oryza sativa Japonica Group]
LOC_Os02g33710	up	PREDICTED: serine decarboxylase 1 [Oryza sativa Japonica Group]
LOC_Os02g33820	up	--
LOC_Os02g33944	down	PREDICTED: uncharacterized protein LOC4329607 isoform X2 [Oryza sativa Japonica Group]
LOC_Os02g34530	up	PREDICTED: protein disulfide isomerase-like 5-3 [Oryza sativa Japonica Group]
LOC_Os02g34810	down	PREDICTED: probable L-ascorbate peroxidase 8, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g34884	up	PREDICTED: phosphoinositide phosphatase SAC7 isoform X2 [Oryza sativa Japonica Group]
LOC_Os02g34940	up	PREDICTED: protein disulfide isomerase-like 1-3 [Oryza sativa Japonica Group]
LOC_Os02g35010	up	PREDICTED: mitogen-activated protein kinase kinase kinase YODA isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g35090	down	PREDICTED: uncharacterized protein LOC4329668 [Oryza sativa Japonica Group]
LOC_Os02g35310	down	PREDICTED: putative 12-oxophytodienoate reductase 8 isoform X6 [Oryza sativa Japonica Group]
LOC_Os02g35470	up	PREDICTED: calmodulin-binding protein 60 D isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g35750	down	PREDICTED: pentatricopeptide repeat-containing protein At1g09900 [Oryza sativa Japonica Group]
LOC_Os02g35900	down	PREDICTED: thioredoxin-like 4, chloroplastic [Oryza sativa Japonica Group]

LOC_Os02g36000	up	PREDICTED: uncharacterized protein LOC107277414 [Oryza sativa Japonica Group]
LOC_Os02g36030	up	PREDICTED: cytochrome P450 76M5 [Oryza sativa Japonica Group]
LOC_Os02g36400	up	PREDICTED: ubiquitin carboxyl-terminal hydrolase 4 [Oryza sativa Japonica Group]
LOC_Os02g36520	up	PREDICTED: F-box/kelch-repeat protein At1g22040 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g36830	down	PREDICTED: 7-deoxyloganetin glucosyltransferase [Oryza sativa Japonica Group]
LOC_Os02g37160	up	PREDICTED: uncharacterized protein LOC4329795 [Oryza sativa Japonica Group]
LOC_Os02g37180	up	PREDICTED: uncharacterized protein LOC4329796 [Oryza sativa Japonica Group]
LOC_Os02g37320	up	PREDICTED: uncharacterized protein LOC4329805 [Oryza sativa Japonica Group]
LOC_Os02g37580	down	PREDICTED: fimbrin-5 [Oryza sativa Japonica Group]
LOC_Os02g37950	down	Os02g0592600, partial [Oryza sativa Japonica Group]
LOC_Os02g38290	down	hypothetical protein OsI_07906 [Oryza sativa Indica Group]
LOC_Os02g38470	down	PREDICTED: B3 domain-containing protein Os02g0598200 [Oryza sativa Japonica Group]
LOC_Os02g38800	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os02g38810	down	PREDICTED: 26S proteasome non-ATPase regulatory subunit 6-like [Oryza sativa Japonica Group]
LOC_Os02g39080	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os02g39150	up	Os02g0603700 [Oryza sativa Japonica Group]
LOC_Os02g39360	up	PREDICTED: B-box zinc finger protein 25 [Oryza sativa Japonica Group]
LOC_Os02g39390	down	PREDICTED: uncharacterized protein LOC4329928 [Oryza sativa Japonica Group]
LOC_Os02g39530	up	PREDICTED: uncharacterized protein LOC4329934 [Oryza sativa Japonica Group]
LOC_Os02g39550	up	hypothetical protein OsJ_07470 [Oryza sativa Japonica Group]
LOC_Os02g39600	down	PREDICTED: outer envelope pore protein 37, chloroplastic [Oryza sativa Japonica Group]
LOC_Os02g39730	up	PREDICTED: uncharacterized protein LOC4329952 isoform X3 [Oryza sativa Japonica Group]
LOC_Os02g39764	up	PREDICTED: cytochrome P450 734A4-like [Oryza sativa Japonica Group]
LOC_Os02g39884	up	PREDICTED: putative disease resistance protein At3g14460 [Oryza sativa Japonica Group]
LOC_Os02g40030	up	PREDICTED: putative UDP-sugar transporter DDB_G0278631 [Oryza sativa Japonica Group]
LOC_Os02g40110	up	PREDICTED: uncharacterized protein LOC9266680 [Oryza sativa Japonica Group]
LOC_Os02g40320	up	Os02g0616501 [Oryza sativa Japonica Group]
LOC_Os02g40410	down	PREDICTED: uncharacterized protein LOC4329989 [Oryza sativa Japonica Group]
LOC_Os02g40530	down	PREDICTED: transcription factor MYB57 [Oryza sativa Japonica Group]

LOC_Os02g40700	up	PREDICTED: uncharacterized protein LOC4330006 [Oryza sativa Japonica Group]
LOC_Os02g40750	down	PREDICTED: pentatricopeptide repeat-containing protein At1g33350 [Oryza sativa Japonica Group]
LOC_Os02g40840	up	PREDICTED: long-chain-alcohol oxidase FAO2 [Oryza sativa Japonica Group]
LOC_Os02g41470	down	PREDICTED: lysine--tRNA ligase, chloroplastic/mitochondrial [Oryza sativa Japonica Group]
LOC_Os02g41500	down	PREDICTED: putative wall-associated receptor kinase-like 16 [Oryza sativa Japonica Group]
LOC_Os02g41680	down	PREDICTED: phenylalanine ammonia-lyase [Oryza sativa Japonica Group]
LOC_Os02g41780	down	PREDICTED: uncharacterized membrane protein At1g06890 [Oryza sativa Japonica Group]
LOC_Os02g41850	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os02g42000	up	PREDICTED: uncharacterized protein LOC4330056 [Oryza sativa Japonica Group]
LOC_Os02g42320	up	PREDICTED: proteasome subunit alpha type-2 [Oryza brachyantha]
LOC_Os02g42440	up	PREDICTED: putative GEM-like protein 8 [Oryza sativa Japonica Group]
LOC_Os02g42550	up	PREDICTED: uncharacterized protein LOC4330093 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g42700	up	RecName: Full=Thioredoxin M1, chloroplastic; Short=OsTrxm1; AltName: Full=OsTrx08; Flags: Precursor
LOC_Os02g42780	up	PREDICTED: L-type lectin-domain containing receptor kinase IV.1 [Oryza sativa Japonica Group]
LOC_Os02g42970	down	PREDICTED: NAC domain-containing protein 7-like [Oryza sativa Japonica Group]
LOC_Os02g43080	down	PREDICTED: pentatricopeptide repeat-containing protein At2g26790, mitochondrial [Oryza sativa Japonica Group]
LOC_Os02g43110	down	Os02g0644900, partial [Oryza sativa Japonica Group]
LOC_Os02g43290	down	PREDICTED: probable receptor-like protein kinase At4g10390 [Oryza sativa Japonica Group]
LOC_Os02g43340	down	hypothetical protein OsI_08285 [Oryza sativa Indica Group]
LOC_Os02g43550	down	PREDICTED: cyclin-P4-1-like [Oryza sativa Japonica Group]
LOC_Os02g43594	down	putative vesicle-associated membrane protein (VAMP) [Oryza sativa]
LOC_Os02g43700	up	PREDICTED: phospholipase A1-Ibeta2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os02g43820	up	PREDICTED: ethylene-responsive transcription factor 5 [Oryza sativa Japonica Group]
LOC_Os02g43900	down	PREDICTED: cuticle collagen 2 [Oryza sativa Japonica Group]
LOC_Os02g44155	down	Os02g0660100 [Oryza sativa Japonica Group]
LOC_Os02g44290	down	putative PnFL-1 [Oryza sativa Japonica Group]
LOC_Os02g44300	up	PREDICTED: vesicle-associated protein 1-3 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g44510	up	PREDICTED: UDP-glucose:glycoprotein glucosyltransferase [Oryza sativa Japonica Group]
LOC_Os02g44610	down	hypothetical protein OsJ_07848 [Oryza sativa Japonica Group]

LOC_Os02g44990	up	PREDICTED: uncharacterized protein LOC4330275 [Oryza sativa Japonica Group]
LOC_Os02g45170	up	PREDICTED: uncharacterized protein LOC4330291 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g45460	down	PREDICTED: uncharacterized protein LOC4330307 [Oryza sativa Japonica Group]
LOC_Os02g45490	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os02g45670	up	PREDICTED: protein REVEILLE 6 isoform X2 [Oryza sativa Japonica Group]
LOC_Os02g45710	up	PREDICTED: E3 ubiquitin-protein ligase RHA1B [Oryza sativa Japonica Group]
LOC_Os02g45870	down	PREDICTED: tobamovirus multiplication protein 3 [Oryza sativa Japonica Group]
LOC_Os02g46080	up	PREDICTED: probable protein phosphatase 2C 25 [Oryza sativa Japonica Group]
LOC_Os02g46490	up	PREDICTED: probable protein phosphatase 2C 26 [Oryza sativa Japonica Group]
LOC_Os02g47130	down	PREDICTED: putative surface protein SACOL0050 [Oryza sativa Japonica Group]
LOC_Os02g47160	up	hypothetical protein OsJ_08044 [Oryza sativa Japonica Group]
LOC_Os02g47200	up	PREDICTED: ubiquinol oxidase 2, mitochondrial [Oryza sativa Japonica Group]
LOC_Os02g47320	up	hypothetical protein OsI_08596 [Oryza sativa Indica Group]
LOC_Os02g47350	up	PREDICTED: 3-dehydrosphinganine reductase TSC10A [Oryza sativa Japonica Group]
LOC_Os02g47360	down	PREDICTED: pentatricopeptide repeat-containing protein OTP51, chloroplastic [Oryza sativa Japonica Group]
LOC_Os02g47640	down	PREDICTED: tubby-like F-box protein 5 [Oryza sativa Japonica Group]
LOC_Os02g47790	down	PREDICTED: monodehydroascorbate reductase 4, peroxisomal [Oryza sativa Japonica Group]
LOC_Os02g48130	down	Os02g0711200 [Oryza sativa Japonica Group]
LOC_Os02g48220	down	Os02g0712800 [Oryza sativa Japonica Group]
LOC_Os02g48350	down	PREDICTED: diacylglycerol O-acyltransferase 2 [Oryza sativa Japonica Group]
LOC_Os02g48380	up	PREDICTED: trafficking protein particle complex subunit 11 [Oryza sativa Japonica Group]
LOC_Os02g48450	down	PREDICTED: xylem cysteine proteinase 2 [Oryza sativa Japonica Group]
LOC_Os02g48680	up	PREDICTED: uncharacterized protein LOC4330535 [Oryza sativa Japonica Group]
LOC_Os02g48690	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os02g48840	up	PREDICTED: protein-tyrosine-phosphatase IBR5 [Oryza sativa Japonica Group]
LOC_Os02g48880	up	PREDICTED: chloride channel protein CLC-f isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g49070	up	PREDICTED: ADP-ribosylation factor GTPase-activating protein AGD12 [Oryza sativa Japonica Group]
LOC_Os02g49260	down	PREDICTED: uncharacterized membrane protein At1g06890 [Oryza sativa Japonica Group]
LOC_Os02g49510	down	PREDICTED: sodium-coupled neutral amino acid transporter 1 [Oryza sativa Japonica Group]

LOC_Os02g49570	down	PREDICTED: serine protease SPPA, chloroplastic [Oryza sativa Japonica Group]
LOC_Os02g49600	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os02g49620	up	PREDICTED: eukaryotic translation initiation factor 5B isoform X2 [Oryza sativa Japonica Group]
LOC_Os02g49820	down	PREDICTED: sex-lethal homolog [Oryza sativa Japonica Group]
LOC_Os02g49880	down	PREDICTED: zinc finger protein CONSTANS-LIKE 16 [Oryza sativa Japonica Group]
LOC_Os02g50000	down	Os02g0732800 [Oryza sativa Japonica Group]
LOC_Os02g50010	down	PREDICTED: APO protein 2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os02g50060	up	PREDICTED: probable calcium-binding protein CML20 [Oryza sativa Japonica Group]
LOC_Os02g50330	down	RecName: Full=Probable RNA-dependent RNA polymerase 1; Short=OsRDR1
LOC_Os02g50360	up	PREDICTED: nicastrin [Oryza sativa Japonica Group]
LOC_Os02g50372	down	Os02g0736800 [Oryza sativa Japonica Group]
LOC_Os02g50450	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os02g50630	down	PREDICTED: E2F transcription factor-like E2FE [Oryza sativa Japonica Group]
LOC_Os02g50840	up	PREDICTED: uncharacterized protein LOC4330691 [Oryza sativa Japonica Group]
LOC_Os02g51070	down	PREDICTED: soluble starch synthase 2-2, chloroplastic/amyloplastic [Oryza sativa Japonica Group]
LOC_Os02g51110	down	PREDICTED: aquaporin NIP2-1 [Oryza sativa Japonica Group]
LOC_Os02g51140	up	PREDICTED: uncharacterized protein LOC4330717 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g51160	down	hypothetical protein OsJ_08370 [Oryza sativa Japonica Group]
LOC_Os02g51180	up	PREDICTED: cullin-3A [Oryza sativa Japonica Group]
LOC_Os02g51670	up	PREDICTED: ethylene-responsive transcription factor RAP2-4 [Oryza sativa Japonica Group]
LOC_Os02g52270	down	PREDICTED: chaperone protein DnaJ isoform X2 [Oryza sativa Japonica Group]
LOC_Os02g52460	down	PREDICTED: TIMELESS-interacting protein [Oryza sativa Japonica Group]
LOC_Os02g52744	down	PREDICTED: protein DCL, chloroplastic [Oryza sativa Japonica Group]
LOC_Os02g52810	down	PREDICTED: uncharacterized protein LOC4330840 isoform X2 [Oryza sativa Japonica Group]
LOC_Os02g52840	down	PREDICTED: flavonol synthase/flavanone 3-hydroxylase [Oryza sativa Japonica Group]
LOC_Os02g52940	down	PREDICTED: soluble inorganic pyrophosphatase 6, chloroplastic [Oryza sativa Japonica Group]
LOC_Os02g53000	down	PREDICTED: lysM domain-containing GPI-anchored protein 1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g53130	down	PREDICTED: nitrate reductase [NAD(P)H] [Oryza sativa Japonica Group]
LOC_Os02g53450	down	unknown protein [Oryza sativa Japonica Group]

LOC_Os02g54360	down	PREDICTED: uncharacterized protein LOC107278175 [Oryza sativa Japonica Group]
LOC_Os02g54640	up	PREDICTED: glutamate receptor 2.9 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g54720	down	PREDICTED: uncharacterized protein LOC4330965 [Oryza sativa Japonica Group]
LOC_Os02g54760	up	PREDICTED: probable cyclic nucleotide-gated ion channel 17 [Oryza sativa Japonica Group]
LOC_Os02g54830	down	PREDICTED: RING-H2 finger protein ATL13 [Oryza sativa Japonica Group]
LOC_Os02g54890	down	PREDICTED: UDP-glucuronate 4-epimerase 1 [Oryza sativa Japonica Group]
LOC_Os02g54900	down	Os02g0791700 [Oryza sativa Japonica Group]
LOC_Os02g55000	down	PREDICTED: zinc finger CCCH domain-containing protein 18 [Oryza sativa Japonica Group]
LOC_Os02g55330	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os02g55540	up	F-box protein-like [Oryza sativa Japonica Group]
LOC_Os02g55550	up	PREDICTED: F-box/LRR-repeat protein 14 [Oryza sativa Japonica Group] RecName: Full=Adenylyltransferase and sulfurtransferase MOCS3; AltName: Full=Molybdenum cofactor synthesis protein 3; Includes: RecName: Full=Molybdopterin-synthase sulfurtransferase; AltName: Full=Sulfur carrier protein MOCS2A sulfurtransferase; AltName: Full=Sulfurtransferase
LOC_Os02g56080	up	Full=Molybdopterin-synthase sulfurtransferase; AltName: Full=Sulfur carrier protein MOCS2A sulfurtransferase; AltName: Full=Sulfurtransferase
LOC_Os02g56250	up	PREDICTED: GATA transcription factor 11 [Oryza sativa Japonica Group]
LOC_Os02g56420	up	wall-associated kinase 4-like [Oryza sativa Japonica Group]
LOC_Os02g56480	up	PREDICTED: leucine-rich repeat extensin-like protein 1 [Oryza sativa Japonica Group]
LOC_Os02g56565	up	PREDICTED: diphthine--ammonia ligase [Oryza sativa Japonica Group]
LOC_Os02g56630	up	PREDICTED: wall-associated receptor kinase 2 [Oryza sativa Japonica Group]
LOC_Os02g56750	down	PREDICTED: putative F-box protein PP2-B12 [Oryza sativa Japonica Group]
LOC_Os02g56860	up	PREDICTED: 3-ketoacyl-CoA synthase 12 [Oryza sativa Japonica Group]
LOC_Os02g56970	down	PREDICTED: glutathionyl-hydroquinone reductase YqjG [Oryza sativa Japonica Group]
LOC_Os02g57020	down	--
LOC_Os02g57030	down	PREDICTED: uncharacterized protein LOC4331129 [Oryza sativa Japonica Group]
LOC_Os02g57240	up	PREDICTED: probable voltage-gated potassium channel subunit beta [Oryza sativa Japonica Group]
LOC_Os02g57280	down	Os02g0818000, partial [Oryza sativa Japonica Group]
LOC_Os02g57440	up	PREDICTED: protein LYK5 [Oryza sativa Japonica Group]
LOC_Os02g57560	up	PREDICTED: calmodulin-binding receptor-like cytoplasmic kinase 2 [Oryza sativa Japonica Group]
LOC_Os02g57690	up	PREDICTED: acyl-CoA-binding domain-containing protein 4 [Oryza sativa Japonica Group]
LOC_Os02g57720	down	PREDICTED: aquaporin PIP 1-3 [Oryza sativa Japonica Group]

LOC_Os02g58070	up	PREDICTED: probable prolyl 4-hydroxylase 3 [Oryza sativa Japonica Group]
LOC_Os02g58080	up	PREDICTED: sucrose transport protein SUT4 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g58100	up	PREDICTED: uncharacterized protein LOC4331223 isoform X1 [Oryza sativa Japonica Group]
LOC_Os02g58730	down	PREDICTED: rac-like GTP-binding protein 5 [Oryza sativa Japonica Group]
LOC_Os03g01020	down	RecName: Full=Pectinesterase inhibitor 12; AltName: Full=Pectin methylesterase inhibitor 12; Short=OsPMEI12; Flags: Precursor
LOC_Os03g01090	up	PREDICTED: uncharacterized protein LOC4331278 [Oryza sativa Japonica Group]
LOC_Os03g01210	up	PREDICTED: cell number regulator 6 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g01216	down	PREDICTED: phosphatidylserine decarboxylase proenzyme 1, mitochondrial isoform X2 [Oryza sativa Japonica Group]
LOC_Os03g01222	down	PREDICTED: formyltetrahydrofolate deformylase 2, mitochondrial isoform X2 [Oryza sativa Japonica Group]
LOC_Os03g01790	down	Hypothetical protein [Oryza sativa Japonica Group]
LOC_Os03g01830	down	PREDICTED: DEAD-box ATP-dependent RNA helicase 50 [Oryza sativa Japonica Group]
LOC_Os03g01920	down	PREDICTED: uncharacterized protein LOC4331348 [Oryza sativa Japonica Group]
LOC_Os03g01930	down	PREDICTED: protein WEAK CHLOROPLAST MOVEMENT UNDER BLUE LIGHT 1 [Oryza sativa Japonica Group]
LOC_Os03g01960	up	PREDICTED: uncharacterized protein LOC4331352 [Oryza sativa Japonica Group]
LOC_Os03g01990	up	PREDICTED: uncharacterized protein LOC9267060 [Oryza sativa Japonica Group]
LOC_Os03g02200	down	PREDICTED: thymidine kinase isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g02330	up	PREDICTED: AAA-ATPase At2g46620 [Oryza sativa Japonica Group]
LOC_Os03g02380	down	PREDICTED: molybdate-anion transporter [Oryza sativa Japonica Group]
LOC_Os03g02390	up	PREDICTED: mitochondrial import inner membrane translocase subunit TIM23-2 [Oryza sativa Japonica Group]
LOC_Os03g02450	down	PREDICTED: pyridoxine/pyridoxamine 5'-phosphate oxidase 2 [Oryza sativa Japonica Group]
LOC_Os03g02460	down	PREDICTED: short-chain dehydrogenase TIC 32, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g02530	down	PREDICTED: RHOMBOID-like protein 2 [Oryza sativa Japonica Group]
LOC_Os03g02600	up	riboflavin biosynthesis protein RibD containing protein, expressed [Oryza sativa Japonica Group]
LOC_Os03g02670	down	hypothetical protein OsJ_09186 [Oryza sativa Japonica Group]
LOC_Os03g02710	down	PREDICTED: hydroxymethylglutaryl-CoA synthase [Oryza sativa Japonica Group]
LOC_Os03g02800	down	PREDICTED: NAC domain-containing protein 45 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g03034	up	PREDICTED: naringenin,2-oxoglutarate 3-dioxygenase [Oryza sativa Japonica Group]
LOC_Os03g03724	down	Os03g0129400, partial [Oryza sativa Japonica Group]
LOC_Os03g03890	up	PREDICTED: probable serine/threonine-protein kinase Cx32, chloroplastic [Oryza sativa Japonica Group]

LOC_Os03g04020	down	PREDICTED: expansin-like A1 [Oryza sativa Japonica Group]
LOC_Os03g04030	down	PREDICTED: putative HVA22-like protein g [Oryza sativa Japonica Group]
LOC_Os03g04120	up	PREDICTED: probable acyl-activating enzyme 1, peroxisomal [Oryza sativa Japonica Group]
LOC_Os03g04400	up	PREDICTED: pre-mRNA-splicing factor cwf23 [Oryza sativa Japonica Group]
LOC_Os03g04490	down	PREDICTED: cyclin-dependent kinase inhibitor 5 [Oryza sativa Japonica Group]
LOC_Os03g04500	up	PREDICTED: tetratricopeptide repeat protein 7A isoform X3 [Oryza sativa Japonica Group]
LOC_Os03g04560	up	hypothetical protein LOC_Os03g04560 [Oryza sativa Japonica Group]
LOC_Os03g04570	up	PREDICTED: protein NRT1/ PTR FAMILY 5.2 [Oryza sativa Japonica Group]
LOC_Os03g04870	down	hypothetical protein OsI_09962 [Oryza sativa Indica Group]
LOC_Os03g05180	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os03g05300	down	PREDICTED: cyclin-dependent kinases regulatory subunit 1 [Oryza sativa Japonica Group]
LOC_Os03g05334	down	--
LOC_Os03g05390	down	PREDICTED: putative transporter arsB isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g05630	up	hypothetical protein OsI_10042 [Oryza sativa Indica Group]
LOC_Os03g05800	up	PREDICTED: uncharacterized protein LOC4331651 [Oryza sativa Japonica Group]
LOC_Os03g06080	up	PREDICTED: heavy metal-associated isoprenylated plant protein 26 [Oryza sativa Japonica Group]
LOC_Os03g06390	down	PREDICTED: uncharacterized protein LOC4331694 [Oryza sativa Japonica Group]
LOC_Os03g06670	down	PREDICTED: probable histone H2A variant 1 [Oryza sativa Japonica Group]
LOC_Os03g06980	down	PREDICTED: TATA-binding protein-associated factor 2N isoform X2 [Oryza sativa Japonica Group]
LOC_Os03g07120	down	PREDICTED: uncharacterized protein LOC4331744 [Oryza sativa Japonica Group]
LOC_Os03g07170	up	PREDICTED: major facilitator superfamily domain-containing protein 12 [Oryza sativa Japonica Group]
LOC_Os03g07370	down	PREDICTED: uncharacterized protein LOC4331767 [Oryza sativa Japonica Group]
LOC_Os03g07600	up	PREDICTED: putative MO25-like protein At5g47540 [Oryza sativa Japonica Group]
LOC_Os03g07960	down	PREDICTED: uncharacterized protein LOC9266492 [Oryza sativa Japonica Group]
LOC_Os03g07990	down	PREDICTED: uncharacterized protein LOC4331807 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g08030	down	Os03g0177750 [Oryza sativa Japonica Group]
LOC_Os03g08140	down	PREDICTED: tubulin--tyrosine ligase-like protein 12 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g08330	up	PREDICTED: protein TIFY 11b [Oryza sativa Japonica Group]
LOC_Os03g08460	up	PREDICTED: ethylene-responsive transcription factor RAP2-12 [Oryza sativa Japonica Group]

LOC_Os03g08500	down	PREDICTED: ethylene-responsive transcription factor ERF073 [Oryza sativa Japonica Group]
LOC_Os03g08624	up	PREDICTED: putative dihydroflavonol-4-reductase [Oryza sativa Japonica Group]
LOC_Os03g09060	down	PREDICTED: 1,4-dihydroxy-2-naphthoate polyprenyltransferase, chloroplastic isoform X2 [Oryza sativa Japonica Group]
LOC_Os03g09230	down	PREDICTED: non-specific lipid-transfer protein-like protein At2g13820 [Oryza sativa Japonica Group]
LOC_Os03g09860	up	PREDICTED: N-acetyltransferase 9-like protein isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g10030	down	PREDICTED: CASP-like protein Os03g0196400 [Oryza sativa Japonica Group]
LOC_Os03g10360	up	hypothetical protein OsJ_09806 [Oryza sativa Japonica Group]
LOC_Os03g10750	up	PREDICTED: activating signal cointegrator 1 complex subunit 2 [Oryza sativa Japonica Group]
LOC_Os03g10755	up	PREDICTED: uncharacterized protein LOC9267237 [Oryza sativa Japonica Group]
LOC_Os03g10920	down	PREDICTED: uncharacterized protein LOC4332002 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g11050	up	PREDICTED: mannose-1-phosphate guanyltransferase alpha [Oryza sativa Japonica Group]
LOC_Os03g11060	down	PREDICTED: MFP1 attachment factor 1 [Oryza sativa Japonica Group]
LOC_Os03g11120	down	PREDICTED: methionine--tRNA ligase, chloroplastic/mitochondrial [Oryza sativa Japonica Group]
LOC_Os03g11260	up	PREDICTED: uncharacterized protein LOC4332028 [Oryza sativa Japonica Group]
LOC_Os03g11300	down	PREDICTED: uncharacterized protein LOC4332031 isoform X2 [Oryza sativa Japonica Group]
LOC_Os03g11590	up	PREDICTED: GDP-mannose transporter GONST3 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g11734	down	PREDICTED: protein DETOXIFICATION 42 [Oryza sativa Japonica Group]
LOC_Os03g11780	up	PREDICTED: 1,3-beta-glucanosyltransferase gel3 [Oryza sativa Japonica Group]
LOC_Os03g11970	up	PREDICTED: tubulin alpha-2 chain [Oryza sativa Japonica Group]
LOC_Os03g12270	down	Os03g0223200, partial [Oryza sativa Japonica Group]
LOC_Os03g12414	up	PREDICTED: cyclin-SDS-like [Oryza sativa Japonica Group]
LOC_Os03g12500	up	PREDICTED: allene oxide synthase 2 [Oryza sativa Japonica Group]
LOC_Os03g12630	up	PREDICTED: uncharacterized protein LOC4332133 [Oryza sativa Japonica Group]
LOC_Os03g12700	up	PREDICTED: uncharacterized protein At1g01500 [Oryza sativa Japonica Group]
LOC_Os03g12790	down	PREDICTED: protein DETOXIFICATION 48 [Oryza sativa Japonica Group]
LOC_Os03g12840	down	PREDICTED: inositol-tetrakisphosphate 1-kinase 2 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g12990	down	PREDICTED: phyto-sulfokines 4-like [Oryza sativa Japonica Group]
LOC_Os03g13040	up	PREDICTED: heptahelical transmembrane protein ADIPOR3 [Oryza sativa Japonica Group]
LOC_Os03g13250	down	Peptide transporter PTR2, putative, expressed [Oryza sativa Japonica Group]

LOC_Os03g13380	up	PREDICTED: transmembrane 9 superfamily member 3 [Oryza sativa Japonica Group]
LOC_Os03g13480	down	PREDICTED: cyclin-J18-like [Oryza sativa Japonica Group]
LOC_Os03g13730	down	PREDICTED: translocase of chloroplast 34, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g13850	down	PREDICTED: cell cycle checkpoint protein RAD17 isoform X3 [Oryza sativa Japonica Group]
LOC_Os03g14120	down	PREDICTED: probable 4-hydroxy-tetrahydrodipicolinate reductase 2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g14400	down	PREDICTED: geraniol 8-hydroxylase [Oryza sativa Japonica Group]
LOC_Os03g14500	down	PREDICTED: IRK-interacting protein [Oryza sativa Japonica Group]
LOC_Os03g14530	down	PREDICTED: 40S ribosomal protein S20-1 [Oryza sativa Japonica Group]
LOC_Os03g14630	down	PREDICTED: cortical cell-delineating protein [Oryza sativa Japonica Group]
LOC_Os03g14642	down	hypothetical protein OsJ_10156 [Oryza sativa Japonica Group]
LOC_Os03g14730	down	Os03g0252100, partial [Oryza sativa Japonica Group]
LOC_Os03g14800	up	PREDICTED: long chain base biosynthesis protein 1a [Oryza sativa Japonica Group]
LOC_Os03g14850	up	SRF-type transcription factor family protein, expressed [Oryza sativa Japonica Group]
LOC_Os03g14920	down	hypothetical protein LOC_Os03g14920 [Oryza sativa Japonica Group]
LOC_Os03g14950	up	PREDICTED: patatin-like protein 6 [Oryza sativa Japonica Group]
LOC_Os03g15120	down	PREDICTED: imidazole glycerol phosphate synthase hisHF, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g15410	down	PREDICTED: myosin-binding protein 2 isoform X3 [Oryza sativa Japonica Group]
LOC_Os03g15740	down	PREDICTED: uncharacterized TPR repeat-containing protein At1g05150 [Oryza sativa Japonica Group]
LOC_Os03g16210	down	PREDICTED: tropinone reductase homolog At5g06060 [Oryza sativa Japonica Group]
LOC_Os03g16290	down	fringe protein, putative, expressed [Oryza sativa Japonica Group]
LOC_Os03g16350	up	PREDICTED: AT-hook motif nuclear-localized protein 29 [Oryza sativa Japonica Group]
LOC_Os03g16874	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os03g17440	up	PREDICTED: uncharacterized protein LOC4332452 [Oryza sativa Japonica Group]
LOC_Os03g17470	down	RecName: Full=Protein IN2-1 homolog B; AltName: Full=Glutathione S-transferase GSTZ5
LOC_Os03g18470	up	PREDICTED: titin-like [Oryza sativa Japonica Group]
LOC_Os03g18550	up	PREDICTED: uncharacterized mitochondrial carrier C8C9.12c [Oryza sativa Japonica Group]
LOC_Os03g18560	up	PREDICTED: uncharacterized protein At5g01610 [Oryza sativa Japonica Group]
LOC_Os03g18590	down	PREDICTED: malonyl CoA-acyl carrier protein transacylase [Oryza sativa Japonica Group]
LOC_Os03g18810	down	PREDICTED: probable LL-diaminopimelate aminotransferase, chloroplastic [Oryza sativa Japonica Group]

LOC_Os03g19080	down	PREDICTED: uncharacterized protein LOC4332585 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g19120	down	P protein C-terminus containing protein [Oryza sativa Japonica Group]
LOC_Os03g19260	up	PREDICTED: uncharacterized protein LOC4332594 [Oryza sativa Japonica Group]
LOC_Os03g19350	down	ATP-dependent protease La family protein, expressed [Oryza sativa Japonica Group]
LOC_Os03g19700	up	PREDICTED: UPF0481 protein At3g47200 [Oryza sativa Japonica Group]
LOC_Os03g20290	up	PREDICTED: aspartic proteinase nepenthesin-1 [Oryza sativa Japonica Group]
LOC_Os03g20330	up	PREDICTED: DEAD-box ATP-dependent RNA helicase 12-like [Oryza sativa Japonica Group]
LOC_Os03g20340	up	PREDICTED: SNF1-related protein kinase regulatory subunit beta-1 [Oryza sativa Japonica Group]
LOC_Os03g20520	up	PREDICTED: endoplasmic reticulum-Golgi intermediate compartment protein 3 [Oryza sativa Japonica Group]
LOC_Os03g20580	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os03g20600	up	PREDICTED: uncharacterized protein LOC4332684 [Oryza sativa Japonica Group]
LOC_Os03g20640	down	PREDICTED: uncharacterized protein LOC4332686 isoform X2 [Oryza sativa Japonica Group]
LOC_Os03g20680	down	PREDICTED: late embryogenesis abundant protein 1 [Oryza sativa Japonica Group]
LOC_Os03g20710	down	Os03g0323350 [Oryza sativa Japonica Group]
LOC_Os03g20770	down	hypothetical protein LOC_Os03g20770 [Oryza sativa Japonica Group]
LOC_Os03g20840	up	PREDICTED: putative disease resistance protein RGA4 [Oryza sativa Japonica Group]
LOC_Os03g20970	up	Os03g0326200, partial [Oryza sativa Japonica Group]
LOC_Os03g21000	up	PREDICTED: thioredoxin-like 1-2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g21050	down	Putative gag-pol polyprotein [Oryza sativa Japonica Group]
LOC_Os03g21460	down	PREDICTED: hydroxyacylglutathione hydrolase cytoplasmic [Oryza sativa Japonica Group]
LOC_Os03g21710	up	PREDICTED: probable WRKY transcription factor 53 [Oryza sativa Japonica Group]
LOC_Os03g21900	down	PREDICTED: uroporphyrinogen decarboxylase 2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g21960	down	PREDICTED: alanine--glyoxylate aminotransferase 2 homolog 3, mitochondrial [Oryza sativa Japonica Group]
LOC_Os03g22170	up	PREDICTED: ethylene-responsive transcription factor RAP2-3 [Oryza sativa Japonica Group]
LOC_Os03g22330	down	PREDICTED: blue-light photoreceptor PHR2 [Oryza sativa Japonica Group]
LOC_Os03g22610	down	PREDICTED: CRS2-like protein, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g22820	up	PREDICTED: uncharacterized protein LOC4332848 [Oryza sativa Japonica Group]
LOC_Os03g22950	down	PREDICTED: acyl carrier protein 2, mitochondrial [Oryza sativa Japonica Group]
LOC_Os03g23935	up	PREDICTED: U4/U6 small nuclear ribonucleoprotein PRP4-like protein [Oryza sativa Japonica Group]

LOC_Os03g24520	up	PREDICTED: putative MO25-like protein At4g17270 [Oryza sativa Japonica Group]
LOC_Os03g24900	up	PREDICTED: probable protein S-acyltransferase 17 [Oryza sativa Japonica Group]
LOC_Os03g24930	up	PREDICTED: serine/threonine-protein kinase At5g01020 [Oryza sativa Japonica Group]
LOC_Os03g25030	down	PREDICTED: GDSL esterase/lipase At1g28650 [Oryza sativa Japonica Group]
LOC_Os03g25430	up	PREDICTED: uncharacterized protein LOC9272499 [Oryza sativa Japonica Group]
LOC_Os03g25500	down	Os03g0371300 [Oryza sativa Japonica Group]
LOC_Os03g26210	down	PREDICTED: transcription factor bHLH47 [Oryza sativa Japonica Group]
LOC_Os03g27040	down	hypothetical protein OsI_11856 [Oryza sativa Indica Group]
LOC_Os03g27080	up	PREDICTED: calmodulin-binding transcription activator 3 isoform X4 [Oryza sativa Japonica Group]
LOC_Os03g27390	down	PREDICTED: transcription factor PIF4 [Oryza sativa Japonica Group]
LOC_Os03g27950	up	PREDICTED: uncharacterized protein C630.12 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g28260	down	Late embryogenesis abundant protein [Oryza sativa Japonica Group]
LOC_Os03g28270	down	putative disease resistance protein [Oryza sativa Japonica Group]
LOC_Os03g30550	up	PREDICTED: putative G3BP-like protein [Oryza sativa Japonica Group]
LOC_Os03g30790	up	PREDICTED: erlin-2-B [Oryza sativa Japonica Group]
LOC_Os03g31760	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os03g32170	up	PREDICTED: 3-oxo-Delta(4,5)-steroid 5-beta-reductase-like [Oryza sativa Japonica Group]
LOC_Os03g32302	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os03g32490	up	PREDICTED: uncharacterized protein LOC4333209 [Oryza sativa Japonica Group]
LOC_Os03g32590	up	PREDICTED: transcription initiation factor TFIID subunit 4b isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g32620	down	PREDICTED: putative pentatricopeptide repeat-containing protein At5g13230, mitochondrial [Oryza sativa Japonica Group]
LOC_Os03g33580	up	PREDICTED: mitotic checkpoint protein BUB3.1 [Oryza sativa Japonica Group]
LOC_Os03g33590	up	PREDICTED: interferon-related developmental regulator 2 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g36730	up	PREDICTED: probable dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 3 [Oryza sativa Japonica Group]
LOC_Os03g36920	up	putative resistance protein [Oryza sativa Japonica Group]
LOC_Os03g37780	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os03g37878	up	expressed protein [Oryza sativa Japonica Group]
LOC_Os03g37950	up	putative proteasome subunit [Oryza sativa Japonica Group]
LOC_Os03g38230	down	PREDICTED: membrane metalloprotease ARASP, chloroplastic [Oryza sativa Japonica Group]

LOC_Os03g38470	down	PREDICTED: GDSL esterase/lipase At5g55050 [Oryza sativa Japonica Group]
LOC_Os03g38930	up	PREDICTED: arabinosyltransferase XEG113 [Oryza sativa Japonica Group]
LOC_Os03g39690	up	PREDICTED: ent-isokaurene C2-hydroxylase-like [Oryza sativa Japonica Group]
LOC_Os03g39870	down	PREDICTED: uncharacterized protein LOC9270791 [Oryza sativa Japonica Group]
LOC_Os03g39880	down	Zinc knuckle family protein, expressed [Oryza sativa Japonica Group]
LOC_Os03g40250	down	Os03g0599400, partial [Oryza sativa Japonica Group]
LOC_Os03g40310	up	PREDICTED: peptidyl-prolyl cis-trans isomerase E [Oryza sativa Japonica Group]
LOC_Os03g40670	down	PREDICTED: glycerophosphodiester phosphodiesterase GDPD6 [Oryza sativa Japonica Group]
LOC_Os03g40690	down	putative pentatricopeptide repeat-containing protein [Oryza sativa Japonica Group]
LOC_Os03g41350	up	PREDICTED: BTB/POZ domain-containing protein NPY3 [Oryza sativa Japonica Group]
LOC_Os03g41390	up	PREDICTED: zinc finger protein 1 [Oryza sativa Japonica Group]
LOC_Os03g42230	down	PREDICTED: B3 domain-containing protein Os03g0619600 [Oryza sativa Japonica Group]
LOC_Os03g42240	down	PREDICTED: B3 domain-containing protein Os03g0619800 [Oryza sativa Japonica Group]
LOC_Os03g42730	up	hypothetical protein LOC_Os03g42730 [Oryza sativa Japonica Group]
LOC_Os03g42810	down	PREDICTED: type IV inositol polyphosphate 5-phosphatase 11 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g43430	down	RecName: Full=Sec-independent protein translocase protein TATA, chloroplastic; AltName: Full=Protein THYLAKOID ASSEMBLY 4; AltName: Full=Protein THYLAKOID ASSEMBLY 4; AltName: Full=Protein THYLAKOID ASSEMBLY 4
LOC_Os03g43840	up	PREDICTED: protein LOL3 [Oryza sativa Japonica Group]
LOC_Os03g43890	up	PREDICTED: histone-binding protein MSI1 homolog [Oryza sativa Japonica Group]
LOC_Os03g44430	down	PREDICTED: protein ROOT PRIMORDIUM DEFECTIVE 1 [Oryza sativa Japonica Group]
LOC_Os03g44620	up	PREDICTED: dnaJ protein homolog [Oryza sativa Japonica Group]
LOC_Os03g44660	down	PREDICTED: 7-methylguanosine phosphate-specific 5'-nucleotidase A [Oryza sativa Japonica Group]
LOC_Os03g44670	up	PREDICTED: uncharacterized protein LOC4333583 [Oryza sativa Japonica Group]
LOC_Os03g44710	down	PREDICTED: protein YABBY 2 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g45180	up	PREDICTED: uncharacterized protein LOC4333602 [Oryza sativa Japonica Group]
LOC_Os03g45260	up	PREDICTED: membrin-11 [Oryza sativa Japonica Group]
LOC_Os03g45280	down	--
LOC_Os03g45300	up	PREDICTED: protein FAR1-RELATED SEQUENCE 5 [Oryza sativa Japonica Group]
LOC_Os03g45340	down	PREDICTED: inactive protein RESTRICTED TEV MOVEMENT 2 [Oryza sativa Japonica Group]
LOC_Os03g45870	up	PREDICTED: uncharacterized protein LOC4333631 [Oryza sativa Japonica Group]

LOC_Os03g45930	up	PREDICTED: atherin [Oryza sativa Japonica Group]
LOC_Os03g46440	up	PREDICTED: regulatory protein NPR3 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g46884	down	transposon protein, putative, CACTA, En/Spm sub-class [Oryza sativa Japonica Group]
LOC_Os03g47016	down	putative homeobox, 5'-partial, partial [Oryza sativa Japonica Group]
LOC_Os03g47140	down	PREDICTED: growth-regulating factor 9 [Oryza sativa Japonica Group]
LOC_Os03g47230	down	Phytosulfokines 3 precursor, putative [Oryza sativa Japonica Group]
LOC_Os03g47280	up	PREDICTED: wiskott-Aldrich syndrome protein homolog [Oryza sativa Japonica Group]
LOC_Os03g48370	up	putative nucleotide-binding leucine-rich-repeat protein [Oryza sativa Japonica Group]
LOC_Os03g48840	down	PREDICTED: 50S ribosomal protein L18 [Oryza sativa Japonica Group]
LOC_Os03g49580	up	PREDICTED: eukaryotic peptide chain release factor subunit 1-3 [Oryza sativa Japonica Group]
LOC_Os03g49620	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At5g10290 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g49630	down	PREDICTED: uncharacterized protein LOC4333844 [Oryza sativa Japonica Group]
LOC_Os03g49640	up	PREDICTED: mitogen-activated protein kinase kinase kinase 1 [Oryza sativa Japonica Group]
LOC_Os03g49720	up	PREDICTED: probable plastid-lipid-associated protein 4, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g49730	down	PREDICTED: histone-lysine N-methyltransferase ASHR1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g49830	down	PREDICTED: protein FAF-like, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g49940	up	PREDICTED: uncharacterized protein LOC4333858 [Oryza sativa Japonica Group]
LOC_Os03g50050	up	PREDICTED: uncharacterized protein LOC9268354 [Oryza sativa Japonica Group]
LOC_Os03g50440	down	PREDICTED: ubiquitin-conjugating enzyme E2 variant 1D [Oryza sativa Japonica Group]
LOC_Os03g50560	down	PREDICTED: binding partner of ACD11 1 [Oryza sativa Japonica Group]
LOC_Os03g50780	down	PREDICTED: PHD finger protein MALE MEIOCYTE DEATH 1 [Oryza sativa Japonica Group]
LOC_Os03g50900	down	PREDICTED: protein FAR1-RELATED SEQUENCE 5 [Oryza sativa Japonica Group]
LOC_Os03g51230	down	PREDICTED: ATP-dependent DNA helicase DDM1 isoform X2 [Oryza sativa Japonica Group]
LOC_Os03g51380	down	PREDICTED: BTB/POZ domain-containing protein At1g63850 [Oryza sativa Japonica Group]
LOC_Os03g51550	down	PREDICTED: COMPASS-like H3K4 histone methylase component WDR5A [Oryza sativa Japonica Group]
LOC_Os03g51680	down	PREDICTED: uncharacterized protein LOC4333971 [Oryza sativa Japonica Group]
LOC_Os03g51950	up	PREDICTED: thioredoxin-like protein AAED1, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g51980	down	PREDICTED: uncharacterized protein LOC4333991 [Oryza sativa Japonica Group]
LOC_Os03g51984	down	PREDICTED: ribosomal RNA small subunit methyltransferase E [Oryza sativa Japonica Group]

LOC_Os03g52400	up	hypothetical protein OsI_13415 [Oryza sativa Indica Group]
LOC_Os03g52750	up	PREDICTED: cyclin-H1-1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g52910	up	PREDICTED: uncharacterized protein LOC4334054 [Oryza sativa Japonica Group]
LOC_Os03g53080	up	PREDICTED: E3 ubiquitin protein ligase DRIP2 [Oryza sativa Japonica Group]
LOC_Os03g53270	up	hypothetical protein OsJ_12536 [Oryza sativa Japonica Group]
LOC_Os03g53710	down	PREDICTED: protein NDH-DEPENDENT CYCLIC ELECTRON FLOW 5 [Oryza sativa Japonica Group]
LOC_Os03g53770	up	PREDICTED: binding partner of ACD11 1 [Oryza sativa Japonica Group]
LOC_Os03g53900	down	PREDICTED: universal stress protein A-like protein isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g54760	up	PREDICTED: solute carrier family 25 member 44 [Oryza sativa Japonica Group]
LOC_Os03g54850	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os03g55200	up	PREDICTED: origin of replication complex subunit 1 [Oryza sativa Japonica Group]
LOC_Os03g55280	down	PREDICTED: aspartate-semialdehyde dehydrogenase [Oryza sativa Japonica Group]
LOC_Os03g55310	down	PREDICTED: upstream activation factor subunit UAF30 [Oryza sativa Japonica Group]
LOC_Os03g55450	up	PREDICTED: uncharacterized protein LOC4334203 [Oryza sativa Japonica Group]
LOC_Os03g55560	up	PREDICTED: mitogen-activated protein kinase kinase kinase YODA [Oryza sativa Japonica Group]
LOC_Os03g55784	up	PREDICTED: proteasome assembly chaperone 2 [Oryza sativa Japonica Group]
LOC_Os03g55800	up	PREDICTED: allene oxide synthase 1, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g56260	down	PREDICTED: kinesin-like protein KIF19 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g56610	down	PREDICTED: uncharacterized protein LOC4334296 [Oryza sativa Japonica Group]
LOC_Os03g56660	up	PREDICTED: uncharacterized protein LOC4334299 isoform X4 [Oryza sativa Japonica Group]
LOC_Os03g56800	down	PREDICTED: inosine-5'-monophosphate dehydrogenase [Oryza sativa Japonica Group]
LOC_Os03g56900	down	PREDICTED: reticulon-like protein B8 [Oryza sativa Japonica Group]
LOC_Os03g56960	down	PREDICTED: pentatricopeptide repeat-containing protein At5g14080 [Oryza sativa Japonica Group]
LOC_Os03g57070	down	PREDICTED: uncharacterized protein LOC4334332 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g57080	down	PREDICTED: patatin-like protein 3 [Oryza sativa Japonica Group]
LOC_Os03g57110	up	PREDICTED: WPP domain-associated protein [Oryza sativa Japonica Group]
LOC_Os03g57170	up	PREDICTED: putative ALA-interacting subunit 2 [Oryza sativa Japonica Group]
LOC_Os03g57280	up	PREDICTED: probable tRNA (guanine(26)-N(2))-dimethyltransferase 1 [Oryza sativa Japonica Group]
LOC_Os03g57300	up	Os03g0786900, partial [Oryza sativa Japonica Group]

LOC_Os03g57580	up	expressed protein [Oryza sativa Japonica Group]
LOC_Os03g57840	down	PREDICTED: probable zinc metalloprotease EGY1, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g58080	up	PREDICTED: folate-biopterin transporter 1, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g58170	up	PREDICTED: stem-specific protein TSJT1 [Oryza sativa Japonica Group]
LOC_Os03g58350	down	PREDICTED: auxin-responsive protein IAA14 [Oryza sativa Japonica Group]
LOC_Os03g58620	down	hypothetical protein OsI_13928 [Oryza sativa Indica Group]
LOC_Os03g58790	up	PREDICTED: AAA-ATPase At3g28580 [Oryza sativa Japonica Group]
LOC_Os03g58800	up	PREDICTED: AAA-ATPase At3g28580 [Oryza sativa Japonica Group]
LOC_Os03g58820	up	aminoacyl-tRNA synthetase family, putative, expressed [Oryza sativa Japonica Group]
LOC_Os03g58840	up	PREDICTED: vesicle-associated membrane protein 721 [Oryza sativa Japonica Group]
LOC_Os03g58890	up	hypothetical protein OsI_13952 [Oryza sativa Indica Group]
LOC_Os03g59030	down	putative UDP-glucuronosyl and UDP-glucosyl transferase [Oryza sativa Japonica Group]
LOC_Os03g59070	up	PREDICTED: lipid phosphate phosphatase delta [Oryza sativa Japonica Group]
LOC_Os03g59100	down	Rieske domain containing protein, expressed [Oryza sativa Japonica Group]
LOC_Os03g59160	up	Elongation factor P family protein, expressed [Oryza sativa Japonica Group]
LOC_Os03g59250	up	PREDICTED: uncharacterized protein LOC4334508 [Oryza sativa Japonica Group]
LOC_Os03g59360	down	PREDICTED: remorin [Oryza sativa Japonica Group]
LOC_Os03g59650	down	PREDICTED: uncharacterized protein LOC4334538 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g60010	down	putative transposase [Oryza sativa Japonica Group]
LOC_Os03g60180	down	PREDICTED: uncharacterized protein LOC4334564 [Oryza sativa Japonica Group]
LOC_Os03g60530	up	ras-related protein RAB1BV [Setaria italica]
LOC_Os03g60560	up	PREDICTED: zinc finger protein ZAT12 [Oryza sativa Japonica Group]
LOC_Os03g60700	up	hypothetical protein OsI_14108 [Oryza sativa Indica Group]
LOC_Os03g60870	up	PREDICTED: ras-related protein Rab11C [Oryza sativa Japonica Group]
LOC_Os03g60880	down	PREDICTED: nucleobase-ascorbate transporter 6 [Oryza sativa Japonica Group]
LOC_Os03g61600	down	hypothetical protein OsJ_13230 [Oryza sativa Japonica Group]
LOC_Os03g61630	up	PREDICTED: protein transport protein SEC13 homolog B [Oryza sativa Japonica Group]
LOC_Os03g61700	down	PREDICTED: uncharacterized protein LOC4334678 isoform X1 [Oryza sativa Japonica Group]
LOC_Os03g61829	down	PREDICTED: uncharacterized protein LOC9266306 [Oryza sativa Japonica Group]

LOC_Os03g61960	up	PREDICTED: ferredoxin-3, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g62010	up	PREDICTED: uncharacterized protein LOC4334704 [Oryza sativa Japonica Group]
LOC_Os03g62030	up	PREDICTED: uncharacterized protein LOC4334705 [Oryza sativa Japonica Group]
LOC_Os03g62240	down	PREDICTED: uncharacterized protein LOC4334719 [Oryza sativa Japonica Group]
LOC_Os03g62720	down	PREDICTED: exosome complex component RRP41-like isoform X2 [Oryza sativa Japonica Group]
LOC_Os03g62950	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os03g63240	down	putative resistance complex protein [Oryza sativa Japonica Group]
LOC_Os03g63260	down	PREDICTED: putative pentatricopeptide repeat-containing protein At1g77010, mitochondrial [Oryza sativa Japonica Group]
LOC_Os03g63330	down	PREDICTED: aspartokinase 1, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g63560	down	PREDICTED: pentatricopeptide repeat-containing protein At4g25270, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g63690	up	PREDICTED: protein BCCIP homolog isoform X2 [Oryza sativa Japonica Group]
LOC_Os03g63910	down	putative chloroplastic RNA-binding protein, with alternative splicing isoforms [Oryza sativa Japonica Group]
LOC_Os03g63930	down	PREDICTED: acyl carrier protein 3, chloroplastic [Oryza sativa Japonica Group]
LOC_Os03g64030	down	Os03g0857500, partial [Oryza sativa Japonica Group]
LOC_Os03g64070	down	PREDICTED: probable cytokinin riboside 5'-monophosphate phosphoribohydrolase LOGL5 [Oryza sativa Japonica Group]
LOC_Os04g01150	down	PREDICTED: ELMO domain-containing protein A [Oryza sativa Japonica Group]
LOC_Os04g01240	up	PREDICTED: uncharacterized protein LOC4334892 [Oryza sativa Japonica Group]
LOC_Os04g01280	up	PREDICTED: probable glucuronosyltransferase Os04g0103100 [Oryza sativa Japonica Group]
LOC_Os04g01470	up	PREDICTED: probable inactive methyltransferase Os04g0175900 [Oryza sativa Japonica Group]
LOC_Os04g01660	down	PREDICTED: glyoxylate/hydroxypyruvate reductase HPR3 [Oryza sativa Japonica Group]
LOC_Os04g01740	down	PREDICTED: heat shock protein 82 [Oryza sativa Japonica Group]
LOC_Os04g01980	up	OSJNBa0027H06.16 [Oryza sativa Japonica Group]
LOC_Os04g02580	down	PREDICTED: uncharacterized protein LOC4334948 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g02640	down	OSJNBb0050O03.6 [Oryza sativa Japonica Group]
LOC_Os04g02900	up	PREDICTED: pyruvate dehydrogenase E1 component subunit alpha-3, chloroplastic [Oryza sativa Japonica Group]
LOC_Os04g03830	up	PREDICTED: putative wall-associated receptor kinase-like 16 [Oryza sativa Japonica Group]
LOC_Os04g03990	down	3'-5' exonuclease [Oryza glaberrima]
LOC_Os04g05030	down	PREDICTED: uncharacterized protein LOC4335012 [Oryza sativa Japonica Group]
LOC_Os04g05580	down	PREDICTED: L-type lectin-domain containing receptor kinase IX.1 [Oryza sativa Japonica Group]

LOC_Os04g06734	up	hypothetical protein OsJ_13698 [Oryza sativa Japonica Group]
LOC_Os04g06850	up	PREDICTED: uncharacterized protein LOC9267234 isoform X3 [Oryza sativa Japonica Group]
LOC_Os04g07890	down	OSJNBb0028M18.1 [Oryza sativa Japonica Group]
LOC_Os04g08180	down	Os04g0163700 [Oryza sativa Japonica Group]
LOC_Os04g09570	up	PREDICTED: uncharacterized protein LOC4335075 [Oryza sativa Japonica Group]
LOC_Os04g10214	up	Os04g0180900 [Oryza sativa Japonica Group]
LOC_Os04g10240	up	PREDICTED: uncharacterized protein LOC4335098 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g10460	down	PREDICTED: putative amidase ARB_02965 [Oryza sativa Japonica Group]
LOC_Os04g10690	down	PREDICTED: probable inorganic phosphate transporter 1-5 [Oryza sativa Japonica Group]
LOC_Os04g11820	up	PREDICTED: ABC transporter G family member 28 [Oryza sativa Japonica Group]
LOC_Os04g12010	up	PREDICTED: uncharacterized protein LOC4335139 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g12830	up	hypothetical protein OsJ_13819 [Oryza sativa Japonica Group]
LOC_Os04g14304	down	PREDICTED: wall-associated receptor kinase 2 [Oryza sativa Japonica Group]
LOC_Os04g14340	down	Os04g0220500 [Oryza sativa Japonica Group]
LOC_Os04g14790	up	PREDICTED: glycerol-3-phosphate dehydrogenase SDP6, mitochondrial [Oryza sativa Japonica Group]
LOC_Os04g16734	down	maturase K (chloroplast) [Oryza glumipatula]
LOC_Os04g16812	down	ribosomal protein L23 (plastid) [Oryza sativa Japonica Group]
LOC_Os04g16816	down	hypothetical protein OrsajCp070 (plastid) [Oryza sativa Japonica Group]
LOC_Os04g16842	down	RNA polymerase alpha subunit (plastid) [Oryza sativa Japonica Group]
LOC_Os04g16846	down	cytochrome b6 (chloroplast) [Oryza barthii]
LOC_Os04g16848	down	photosystem II protein H (plastid) [Oryza sativa Japonica Group]
LOC_Os04g16866	down	photosystem II protein K (chloroplast) [Oryza sativa Japonica Group]
LOC_Os04g16872	down	photosystem II protein D2 (chloroplast) [Oryza sativa Indica Group]
LOC_Os04g16874	down	photosystem II 44 kDa protein (plastid) [Oryza sativa Japonica Group]
LOC_Os04g16876	down	putative Hooker's evening primrose chloroplast hypothetical 8.4 kDa protein in ycf9-trnS intergenic region (ORF75) [Oryza sativa Japonica Group]
LOC_Os04g16886	up	ribosomal protein S7 (chloroplast) [Zea mays]
LOC_Os04g17660	down	PREDICTED: thiosulfate sulfurtransferase 16, chloroplastic [Oryza sativa Japonica Group]
LOC_Os04g18140	down	OSJNBb0018J12.10 [Oryza sativa Japonica Group]
LOC_Os04g18380	down	Os04g0255600, partial [Oryza sativa Japonica Group]

LOC_Os04g19684	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os04g20164	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os04g20400	down	OSJNBb0056F09.12 [Oryza sativa Japonica Group]
LOC_Os04g21850	up	hypothetical protein OsJ_14141 [Oryza sativa Japonica Group]
LOC_Os04g22860	up	OSJNBb0068N06.26 [Oryza sativa Japonica Group]
LOC_Os04g24220	up	PREDICTED: wall-associated receptor kinase 4 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g24300	up	OSJNBb0032D24.11 [Oryza sativa Japonica Group]
LOC_Os04g24410	down	PREDICTED: UPF0307 protein ECA0281 isoform X2 [Oryza sativa Japonica Group]
LOC_Os04g24414	down	Os04g0309400 [Oryza sativa Japonica Group]
LOC_Os04g24510	up	OSJNBa0033H08.8 [Oryza sativa Japonica Group]
LOC_Os04g24710	down	PREDICTED: protein ROOT PRIMORDIUM DEFECTIVE 1 [Oryza sativa Japonica Group]
LOC_Os04g25410	down	PREDICTED: pentatricopeptide repeat-containing protein At1g60770 [Oryza sativa Japonica Group]
LOC_Os04g27340	up	PREDICTED: (S)-beta-bisabolene synthase [Oryza sativa Japonica Group]
LOC_Os04g28010	up	OSJNBa0020I02.8 [Oryza sativa Japonica Group]
LOC_Os04g28260	down	OSJNBa0038P21.12 [Oryza sativa Japonica Group]
LOC_Os04g28300	down	OSJNBa0038P21.16 [Oryza sativa Japonica Group]
LOC_Os04g28470	up	retrotransposon protein, putative, Ty1-copia subclass [Oryza sativa Japonica Group]
LOC_Os04g28580	down	OSJNBb0002N06.8 [Oryza sativa Japonica Group]
LOC_Os04g28830	down	PREDICTED: uncharacterized protein LOC107277957 [Oryza sativa Japonica Group]
LOC_Os04g29090	down	PREDICTED: L-gulonolactone oxidase 5 [Oryza sativa Japonica Group]
LOC_Os04g29680	up	PREDICTED: putative wall-associated receptor kinase-like 16 [Oryza sativa Japonica Group]
LOC_Os04g29930	up	hypothetical protein OsJ_14444 [Oryza sativa Japonica Group]
LOC_Os04g29950	up	PREDICTED: wall-associated receptor kinase 2-like [Oryza sativa Japonica Group]
LOC_Os04g29960	up	PREDICTED: wall-associated receptor kinase 2 [Oryza sativa Japonica Group]
LOC_Os04g30010	up	PREDICTED: wall-associated receptor kinase 2 [Oryza sativa Japonica Group]
LOC_Os04g30250	up	PREDICTED: wall-associated receptor kinase 2 [Oryza sativa Japonica Group]
LOC_Os04g30260	up	OSJNBb0076A22.6 [Oryza sativa Japonica Group]
LOC_Os04g30420	down	PREDICTED: putative quinone-oxidoreductase homolog, chloroplastic [Oryza sativa Japonica Group]
LOC_Os04g31110	down	PREDICTED: suppressor of cytokine signaling 7 [Oryza sativa Japonica Group]

LOC_Os04g31120	up	PREDICTED: F-box/kelch-repeat protein At1g67480 [Oryza sativa Japonica Group]
LOC_Os04g31240	down	OSJNBa0072D21.5 [Oryza sativa Japonica Group]
LOC_Os04g31610	up	PREDICTED: F-box protein At1g67340 [Oryza sativa Japonica Group]
LOC_Os04g31910	up	PREDICTED: mediator of RNA polymerase II transcription subunit 30 [Oryza sativa Japonica Group]
LOC_Os04g32110	up	PREDICTED: ACT domain-containing protein ACR6 [Oryza sativa Japonica Group]
LOC_Os04g32330	up	PREDICTED: dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex 1, mitochondrial isoform
LOC_Os04g32590	down	hypothetical protein OsJ_14636 [Oryza sativa Japonica Group]
LOC_Os04g32940	down	OSJNBb0012E08.9 [Oryza sativa Japonica Group]
LOC_Os04g33060	down	PREDICTED: uncharacterized protein At1g32220, chloroplastic [Oryza sativa Japonica Group]
LOC_Os04g33110	down	hypothetical protein OsI_15761 [Oryza sativa Indica Group]
LOC_Os04g33200	down	PREDICTED: heparan-alpha-glucosaminide N-acetyltransferase [Oryza sativa Japonica Group]
LOC_Os04g33350	up	Os04g0407500 [Oryza sativa Japonica Group]
LOC_Os04g33460	down	OSJNBa0042I15.21 [Oryza sativa Japonica Group]
LOC_Os04g33610	up	PREDICTED: uncharacterized protein LOC4335778 [Oryza sativa Japonica Group]
LOC_Os04g33780	down	PREDICTED: OTU domain-containing protein 5 [Oryza sativa Japonica Group]
LOC_Os04g34230	down	OSJNBb0108J11.16 [Oryza sativa Japonica Group]
LOC_Os04g34330	down	PREDICTED: G-type lectin S-receptor-like serine/threonine-protein kinase At2g19130 [Oryza sativa Japonica Group]
LOC_Os04g34600	down	PREDICTED: uncharacterized protein LOC9272168 [Oryza sativa Japonica Group]
LOC_Os04g35100	down	PREDICTED: PI-PLC X domain-containing protein At5g67130 [Oryza sativa Japonica Group]
LOC_Os04g35130	up	PREDICTED: uncharacterized protein LOC4335868 [Oryza sativa Japonica Group]
LOC_Os04g35430	down	PREDICTED: uncharacterized protein LOC107275971 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g35600	down	RecName: Full=Protein disulfide isomerase-like 1-2; Short=OsPDIL1-2; Flags: Precursor
LOC_Os04g35650	down	PREDICTED: pentatricopeptide repeat-containing protein At3g26540 [Oryza sativa Japonica Group]
LOC_Os04g35680	up	PREDICTED: U-box domain-containing protein 26 [Oryza sativa Japonica Group]
LOC_Os04g35790	down	PREDICTED: glycolipid transfer protein 3 [Oryza sativa Japonica Group]
LOC_Os04g36660	up	PREDICTED: calmodulin-binding protein 60 D [Oryza sativa Japonica Group]
LOC_Os04g36790	up	PREDICTED: trihelix transcription factor ASIL2 [Oryza sativa Japonica Group]
LOC_Os04g36820	down	OSJNBa0027P08.16 [Oryza sativa Japonica Group]
LOC_Os04g36850	down	PREDICTED: uncharacterized protein LOC4335966 [Oryza sativa Japonica Group]

LOC_Os04g36859	up	PREDICTED: probable signal peptidase complex subunit 2 [Oryza sativa Japonica Group]
LOC_Os04g37550	down	PREDICTED: aspartic proteinase nepenthesin-1 [Oryza sativa Japonica Group]
LOC_Os04g37660	up	PREDICTED: probable protein phosphatase 2C 40 [Oryza sativa Japonica Group]
LOC_Os04g37680	down	PREDICTED: probable carboxylesterase 2 [Oryza sativa Japonica Group]
LOC_Os04g37810	up	PREDICTED: uncharacterized protein LOC4336003 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g37880	down	PREDICTED: uncharacterized protein LOC4336005 [Oryza sativa Japonica Group]
LOC_Os04g37980	up	PREDICTED: sugar transport protein 5 [Oryza sativa Japonica Group]
LOC_Os04g38260	up	Os04g0454600, partial [Oryza sativa Japonica Group]
LOC_Os04g38320	down	hypothetical protein OsJ_15021 [Oryza sativa Japonica Group]
LOC_Os04g38390	down	PREDICTED: uncharacterized protein LOC4336027 [Oryza sativa Japonica Group]
LOC_Os04g38420	down	hypothetical protein OsJ_15030 [Oryza sativa Japonica Group]
LOC_Os04g38640	down	PREDICTED: protease Do-like 8, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g38720	down	PREDICTED: NAC domain-containing protein 92 [Oryza sativa Japonica Group]
LOC_Os04g38850	down	B1358B12.10 [Oryza sativa Japonica Group]
LOC_Os04g38930	up	B1358B12.18 [Oryza sativa Japonica Group]
LOC_Os04g39520	up	hypothetical protein OsJ_15138 [Oryza sativa Japonica Group]
LOC_Os04g39570	down	PREDICTED: probable WRKY transcription factor 2 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g39864	down	PREDICTED: beta-glucosidase 11 [Oryza sativa Japonica Group]
LOC_Os04g40040	down	hypothetical protein OsJ_15179 [Oryza sativa Japonica Group]
LOC_Os04g40250	down	OSJNBa0044K18.16 [Oryza sativa Japonica Group]
LOC_Os04g40370	up	PREDICTED: putative F-box/FBD/LRR-repeat protein At5g56810 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g40530	down	PREDICTED: uncharacterized protein LOC4336185 [Oryza sativa Japonica Group]
LOC_Os04g40700	down	PREDICTED: uncharacterized membrane protein At3g27390 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g40874	down	Os04g0485300 [Oryza sativa Japonica Group]
LOC_Os04g40880	up	PREDICTED: cytosolic Fe-S cluster assembly factor NBP35 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g41120	down	PREDICTED: pentatricopeptide repeat-containing protein At4g38010 [Oryza sativa Japonica Group]
LOC_Os04g41130	down	PREDICTED: protein FLOWERING LOCUS T [Oryza sativa Japonica Group]
LOC_Os04g41370	up	PREDICTED: putative disease resistance protein RGA1 [Oryza sativa Japonica Group]
LOC_Os04g41380	up	PREDICTED: uncharacterized protein LOC4336247 [Oryza sativa Japonica Group]

LOC_Os04g41460	down	PREDICTED: inositol transporter 1 [Oryza sativa Japonica Group]
LOC_Os04g41540	down	PREDICTED: probable calcium-binding protein CML22 [Oryza sativa Japonica Group]
LOC_Os04g41930	up	PREDICTED: uncharacterized protein LOC107277775 [Oryza sativa Japonica Group]
LOC_Os04g42174	up	Os04g0499800 [Oryza sativa Japonica Group]
LOC_Os04g42340	down	PREDICTED: uncharacterized protein LOC4336313 [Oryza sativa Japonica Group]
LOC_Os04g42520	up	PREDICTED: adenine phosphoribosyltransferase 2 [Oryza sativa Japonica Group]
LOC_Os04g42600	up	PREDICTED: polyadenylate-binding protein 2 [Oryza sativa Japonica Group]
LOC_Os04g42800	down	PREDICTED: protein LOW PSII ACCUMULATION 1, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g43150	down	PREDICTED: putative G3BP-like protein [Oryza sativa Japonica Group]
LOC_Os04g43164	up	PREDICTED: uncharacterized protein LOC4336373 [Oryza sativa Japonica Group]
LOC_Os04g43290	down	PREDICTED: actin-related protein 2/3 complex subunit 2B isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g43350	down	PREDICTED: uncharacterized protein At4g13200, chloroplastic [Oryza sativa Japonica Group]
LOC_Os04g43770	down	OSJNBb0061C13.2 [Oryza sativa Japonica Group]
LOC_Os04g43800	down	PREDICTED: phenylalanine ammonia-lyase [Oryza sativa Japonica Group]
LOC_Os04g44190	up	PREDICTED: photosynthetic NDH subunit of lumenal location 3, chloroplastic [Oryza sativa Japonica Group]
LOC_Os04g44240	down	PREDICTED: UDP-glycosyltransferase 73C7 [Oryza sativa Japonica Group]
LOC_Os04g44500	up	PREDICTED: GEM-like protein 4 [Oryza sativa Japonica Group]
LOC_Os04g44820	down	PREDICTED: E3 ubiquitin-protein ligase RMA1H1 [Oryza sativa Japonica Group]
LOC_Os04g44890	up	PREDICTED: tRNA-dihydrouridine(20) synthase [NAD(P)+]-like [Oryza sativa Japonica Group]
LOC_Os04g44924	up	PREDICTED: salutaridine reductase [Oryza sativa Japonica Group]
LOC_Os04g45090	down	PREDICTED: probable ascorbate-specific transmembrane electron transporter 2 [Oryza sativa Japonica Group]
LOC_Os04g45130	up	PREDICTED: uncharacterized protein LOC4336504 [Oryza sativa Japonica Group]
LOC_Os04g45140	down	PREDICTED: O-glucosyltransferase rumi homolog isoform X2 [Oryza sativa Japonica Group]
LOC_Os04g45240	up	OSJNBb0020O11.10 [Oryza sativa Japonica Group]
LOC_Os04g45290	up	PREDICTED: beta-fructofuranosidase 1 [Oryza sativa Japonica Group]
LOC_Os04g45600	down	PREDICTED: NAD(P)H-quinone oxidoreductase subunit M, chloroplastic [Oryza sativa Japonica Group]
LOC_Os04g45670	up	PREDICTED: SH3 domain-containing protein 2 [Oryza sativa Japonica Group]
LOC_Os04g45920	up	PREDICTED: probable receptor-like protein kinase At5g47070 isoform X2 [Oryza sativa Japonica Group]
LOC_Os04g46210	up	OSJNBa0079A21.15 [Oryza sativa Japonica Group]

LOC_Os04g46930	down	PREDICTED: serine racemase [Oryza sativa Japonica Group]
LOC_Os04g46940	down	PREDICTED: probable copper-transporting ATPase HMA5 [Oryza sativa Japonica Group]
LOC_Os04g47010	down	PREDICTED: WAS protein family homolog 1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g47020	down	PREDICTED: phosphorylated carbohydrates phosphatase TM_1254 [Oryza sativa Japonica Group]
LOC_Os04g47170	down	PREDICTED: rop guanine nucleotide exchange factor 3 [Oryza sativa Japonica Group]
LOC_Os04g47410	down	PREDICTED: protein S-acyltransferase 10 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g47420	up	PREDICTED: lysine histidine transporter-like 8 [Oryza sativa Japonica Group]
LOC_Os04g47690	down	PREDICTED: DNA-binding protein MNB1B isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g47970	up	PREDICTED: ORM1-like protein 3 [Oryza sativa Japonica Group]
LOC_Os04g48020	down	PREDICTED: 3-hexulose-6-phosphate isomerase [Oryza sativa Japonica Group]
LOC_Os04g48270	up	PREDICTED: F-box protein PP2-A13 [Oryza sativa Japonica Group]
LOC_Os04g48350	down	transcription factor [Oryza sativa Japonica Group]
LOC_Os04g48460	up	PREDICTED: cytochrome P450 704C1 [Oryza sativa Japonica Group]
LOC_Os04g48490	down	PREDICTED: fasciclin-like arabinogalactan protein 8 [Oryza sativa Japonica Group]
LOC_Os04g48930	down	hypothetical protein OsI_17084 [Oryza sativa Indica Group]
LOC_Os04g48950	down	PREDICTED: uncharacterized protein LOC4336756 [Oryza sativa Japonica Group]
LOC_Os04g49160	up	PREDICTED: putative RING-H2 finger protein ATL50 [Oryza sativa Japonica Group]
LOC_Os04g49180	up	--
LOC_Os04g49440	down	PREDICTED: glycine-rich RNA-binding protein 4, mitochondrial [Oryza sativa Japonica Group]
LOC_Os04g49490	down	PREDICTED: probable protein phosphatase 2C 43 [Oryza sativa Japonica Group]
LOC_Os04g49520	up	OSJNBa0013K16.3 [Oryza sativa Japonica Group]
LOC_Os04g49530	up	PREDICTED: uncharacterized protein LOC4336785 [Oryza sativa Japonica Group]
LOC_Os04g49670	up	PREDICTED: uncharacterized protein LOC4336796 [Oryza sativa Japonica Group]
LOC_Os04g49680	up	PREDICTED: uncharacterized protein LOC4336797 [Oryza sativa Japonica Group]
LOC_Os04g49748	up	OSJNBa0013K16.23 [Oryza sativa Japonica Group]
LOC_Os04g49940	down	PREDICTED: uncharacterized protein LOC4336811 [Oryza sativa Japonica Group]
LOC_Os04g49990	up	PREDICTED: AT-hook motif nuclear-localized protein 10 [Oryza sativa Japonica Group]
LOC_Os04g50770	down	PREDICTED: myb-related protein Zm1 [Oryza sativa Japonica Group]
LOC_Os04g51009	up	OSJNBa0093F12.18 [Oryza sativa Japonica Group]

LOC_Os04g51110	down	PREDICTED: cell division cycle 20.2, cofactor of APC complex isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g51172	down	RecName: Full=Putative protein Brevis radix-like 3; Short=OsBRXL3
LOC_Os04g51290	down	Os04g0602000 [Oryza sativa Japonica Group]
LOC_Os04g51310	down	PREDICTED: uncharacterized protein LOC4336887 [Oryza sativa Japonica Group]
LOC_Os04g51380	down	PREDICTED: probable protein-S-isoprenylcysteine O-methyltransferase [Oryza sativa Japonica Group]
LOC_Os04g51610	down	PREDICTED: calcium-transporting ATPase 8, plasma membrane-type [Oryza sativa Japonica Group]
LOC_Os04g51660	up	PREDICTED: phenolic glucoside malonyltransferase 1 [Oryza sativa Japonica Group]
LOC_Os04g51690	up	PREDICTED: mannosyl-oligosaccharide 1,2-alpha-mannosidase MNS1 [Oryza sativa Japonica Group]
LOC_Os04g51786	down	PREDICTED: putative RNA methyltransferase At5g10620 [Oryza sativa Japonica Group]
LOC_Os04g51880	down	PREDICTED: galacturonokinase [Oryza sativa Japonica Group]
LOC_Os04g51920	up	RecName: Full=Probable nucleoredoxin 3; Short=OsNrx3
LOC_Os04g51980	down	PREDICTED: shikimate O-hydroxycinnamoyltransferase [Oryza sativa Japonica Group]
LOC_Os04g52260	down	PREDICTED: 36.4 kDa proline-rich protein-like [Oryza sativa Japonica Group]
LOC_Os04g52614	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At1g56140 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g52640	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At1g56130 isoform X8 [Oryza sativa Japonica Group]
LOC_Os04g52800	down	PREDICTED: serine/arginine repetitive matrix protein 1 [Oryza sativa Japonica Group]
LOC_Os04g52910	down	--
LOC_Os04g52920	down	PREDICTED: uncharacterized protein LOC4337028 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g53000	down	PREDICTED: uncharacterized protein LOC4337035 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g53180	down	PREDICTED: uncharacterized protein LOC4337045 [Oryza sativa Japonica Group]
LOC_Os04g53200	down	PREDICTED: exonuclease DPD1, chloroplastic/mitochondrial isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g53380	down	OSJNBa0053K19.25 [Oryza sativa Japonica Group]
LOC_Os04g53410	up	PREDICTED: BTB/POZ and MATH domain-containing protein 2 [Oryza sativa Japonica Group]
LOC_Os04g53630	down	OSJNBa0089N06.5 [Oryza sativa Japonica Group]
LOC_Os04g53830	up	Os04g0630600 [Oryza sativa Japonica Group]
LOC_Os04g53860	down	Os04g0630900 [Oryza sativa Japonica Group]
LOC_Os04g54310	up	Os04g0635600 [Oryza sativa Japonica Group]
LOC_Os04g54620	down	PREDICTED: uncharacterized protein LOC9267479 [Oryza sativa Japonica Group]
LOC_Os04g54940	down	PREDICTED: microtubule-associated protein RP/EB family member 1A [Oryza sativa Japonica Group]

LOC_Os04g55080	up	PREDICTED: probable cyclic nucleotide-gated ion channel 6 [Oryza sativa Japonica Group]
LOC_Os04g55420	up	PREDICTED: LRR receptor-like serine/threonine-protein kinase GSO1 [Oryza sativa Japonica Group]
LOC_Os04g55680	down	PREDICTED: UDP-glycosyltransferase 89B1 [Oryza sativa Japonica Group]
LOC_Os04g55800	down	PREDICTED: probable sulfate transporter 3.3 [Oryza sativa Japonica Group]
LOC_Os04g55980	up	--
LOC_Os04g56000	up	hypothetical protein OsJ_16447 [Oryza sativa Japonica Group]
LOC_Os04g56030	up	--
LOC_Os04g56140	up	hypothetical protein OsI_17732 [Oryza sativa Indica Group]
LOC_Os04g56160	up	PREDICTED: plasma membrane ATPase [Oryza sativa Japonica Group]
LOC_Os04g56240	up	PREDICTED: uncharacterized protein LOC4337262 [Oryza sativa Japonica Group]
LOC_Os04g56320	down	PREDICTED: ribulose biphosphate carboxylase/oxygenase activase, chloroplastic [Oryza sativa Japonica Group]
LOC_Os04g56420	down	OSJNBa0015K02.4 [Oryza sativa Japonica Group]
LOC_Os04g56900	up	agmatine hydroxycinnamoyl transferase [Oryza sativa Japonica Group]
LOC_Os04g57010	down	PREDICTED: zinc finger CCCH domain-containing protein 31 [Oryza sativa Japonica Group]
LOC_Os04g57020	up	PREDICTED: probable plastid-lipid-associated protein 13, chloroplastic [Oryza sativa Japonica Group]
LOC_Os04g57140	down	hypothetical protein OsJ_16543 [Oryza sativa Japonica Group]
LOC_Os04g57154	up	Os04g0667100 [Oryza sativa Japonica Group]
LOC_Os04g57210	up	PREDICTED: actin-related protein 8 [Oryza sativa Japonica Group]
LOC_Os04g57230	down	OSJNBa0043A12.7 [Oryza sativa Japonica Group]
LOC_Os04g57350	down	PREDICTED: EH domain-containing protein 1 [Oryza sativa Japonica Group]
LOC_Os04g57370	up	PREDICTED: probable carboxylesterase Os04g0669500 [Oryza sativa Japonica Group]
LOC_Os04g57610	down	PREDICTED: auxin response factor 12 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g57660	up	PREDICTED: phyto-sulfokine receptor 1 [Oryza sativa Japonica Group]
LOC_Os04g57670	up	PREDICTED: pentatricopeptide repeat-containing protein At3g50420 [Oryza sativa Japonica Group]
LOC_Os04g57760	up	Os04g0674000, partial [Oryza sativa Japonica Group]
LOC_Os04g57870	down	PREDICTED: uncharacterized protein LOC4337385 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g57890	up	PREDICTED: dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B [Oryza sativa Japonica Group]
LOC_Os04g58050	down	Os04g0677000, partial [Oryza sativa Japonica Group]
LOC_Os04g58380	up	PREDICTED: uncharacterized protein LOC4337427 [Oryza sativa Japonica Group]

LOC_Os04g58840	down	PREDICTED: aspartic proteinase nepenthesin-2 [Oryza sativa Japonica Group]
LOC_Os04g58850	down	PREDICTED: protein YLS9 [Oryza sativa Japonica Group]
LOC_Os04g58870	up	OSJNBa0088H09.17 [Oryza sativa Japonica Group]
LOC_Os04g59000	up	PREDICTED: serine/threonine-protein kinase STY8 isoform X2 [Oryza sativa Japonica Group]
LOC_Os04g59060	down	PREDICTED: uncharacterized protein LOC4337478 isoform X1 [Oryza sativa Japonica Group]
LOC_Os04g59140	up	Os04g0688000 [Oryza sativa Japonica Group]
LOC_Os04g59160	up	PREDICTED: cationic peroxidase SPC4 [Oryza sativa Japonica Group]
LOC_Os04g59440	up	PREDICTED: photosystem II 22 kDa protein, chloroplastic [Oryza sativa Japonica Group]
LOC_Os04g59494	down	OSJNBb0020J19.5 [Oryza sativa Japonica Group]
LOC_Os04g59570	down	PREDICTED: uncharacterized protein LOC4337512 [Oryza sativa Japonica Group]
LOC_Os04g59630	up	Os04g0692800 [Oryza sativa Japonica Group]
LOC_Os05g01110	down	PREDICTED: 50S ribosomal protein L28, chloroplastic [Oryza sativa Japonica Group]
LOC_Os05g01320	up	PREDICTED: uncharacterized protein LOC4337544 [Oryza sativa Japonica Group]
LOC_Os05g01730	down	PREDICTED: protein DEHYDRATION-INDUCED 19 homolog 6 isoform X2 [Oryza sativa Japonica Group]
LOC_Os05g01994	up	hypothetical protein OsI_18163 [Oryza sativa Indica Group]
LOC_Os05g02250	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os05g02310	down	PREDICTED: soluble inorganic pyrophosphatase 4 [Oryza sativa Japonica Group]
LOC_Os05g02530	down	PREDICTED: glutathione S-transferase DHAR2 [Oryza sativa Japonica Group]
LOC_Os05g02790	down	PREDICTED: protein NETWORKED 2B-like [Oryza sativa Japonica Group]
LOC_Os05g02970	down	hypothetical protein OsJ_16929 [Oryza sativa Japonica Group]
LOC_Os05g03060	down	PREDICTED: protein hairless isoform X2 [Oryza sativa Japonica Group]
LOC_Os05g03140	down	PREDICTED: tetraspanin-3 [Oryza sativa Japonica Group]
LOC_Os05g03550	up	hypothetical protein OsJ_16973 [Oryza sativa Japonica Group]
LOC_Os05g03590	down	PREDICTED: uncharacterized protein At4g08330, chloroplastic [Oryza sativa Japonica Group]
LOC_Os05g03620	up	hypothetical protein OsJ_16980 [Oryza sativa Japonica Group]
LOC_Os05g03640	up	PREDICTED: protein SRG1 [Oryza sativa Japonica Group]
LOC_Os05g04690	up	PREDICTED: chitinase 10-like [Oryza sativa Japonica Group]
LOC_Os05g04720	down	hypothetical protein OsI_32569 [Oryza sativa Indica Group]
LOC_Os05g05440	down	hypothetical protein OsI_18446 [Oryza sativa Indica Group]

LOC_Os05g05500	up	PREDICTED: uncharacterized protein LOC4337805 [Oryza sativa Japonica Group]
LOC_Os05g05680	up	PREDICTED: 1-aminocyclopropane-1-carboxylate oxidase [Oryza sativa Japonica Group]
LOC_Os05g05820	down	hypothetical protein OsI_18480 [Oryza sativa Indica Group]
LOC_Os05g06050	down	unknow protein [Oryza sativa Japonica Group]
LOC_Os05g06300	down	PREDICTED: glyoxysomal fatty acid beta-oxidation multifunctional protein MFP-a [Oryza sativa Japonica Group]
LOC_Os05g06460	down	PREDICTED: dihydrolipoyl dehydrogenase 1, chloroplastic [Oryza sativa Japonica Group]
LOC_Os05g07420	up	PREDICTED: G-type lectin S-receptor-like serine/threonine-protein kinase At2g19130 [Oryza sativa Japonica Group]
LOC_Os05g07670	up	PREDICTED: uncharacterized membrane protein At1g06890 isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g08410	up	PREDICTED: uncharacterized protein LOC4337960 isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g08420	up	PREDICTED: uncharacterized protein LOC4337962 [Oryza sativa Japonica Group]
LOC_Os05g08800	down	PREDICTED: uncharacterized protein LOC4337981 [Oryza sativa Japonica Group]
LOC_Os05g08920	up	PREDICTED: uncharacterized protein LOC9268468 [Oryza sativa Japonica Group]
LOC_Os05g08950	up	PREDICTED: hypoxanthine-guanine phosphoribosyltransferase-like [Oryza sativa Japonica Group]
LOC_Os05g09000	down	PREDICTED: uncharacterized protein LOC4337997 [Oryza sativa Japonica Group]
LOC_Os05g09480	down	PREDICTED: auxin-responsive protein IAA16 isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g10570	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os05g11810	up	unknown protein, contains 2OG-Fe(II) oxygenase superfamily [Oryza sativa Japonica Group]
LOC_Os05g12150	down	PREDICTED: endoglucanase 15 [Oryza sativa Japonica Group]
LOC_Os05g13330	up	PREDICTED: post-GPI attachment to proteins factor 3 [Oryza sativa Japonica Group]
LOC_Os05g14170	up	PREDICTED: ER membrane protein complex subunit 1 [Oryza sativa Japonica Group]
LOC_Os05g14590	down	PREDICTED: DNA replication licensing factor MCM6 [Oryza sativa Japonica Group]
LOC_Os05g14750	down	hypothetical protein OsI_19097 [Oryza sativa Indica Group]
LOC_Os05g14940	down	PREDICTED: zinc finger BED domain-containing protein RICESLEEPER 1 [Oryza sativa Japonica Group]
LOC_Os05g14960	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os05g14980	up	unknown protein [Oryza sativa Japonica Group]
LOC_Os05g15810	down	putative polyprotein [Oryza sativa Japonica Group]
LOC_Os05g16430	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At1g56130 isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g16590	down	transposon protein, putative, CACTA, En/Spm sub-class [Oryza sativa Japonica Group]
LOC_Os05g16740	up	hypothetical protein OsI_19211 [Oryza sativa Indica Group]

LOC_Os05g17849	down	--
LOC_Os05g18274	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os05g19150	down	Os05g0273800 [Oryza sativa Japonica Group]
LOC_Os05g19670	down	PREDICTED: germin-like protein 5-1 [Oryza sativa Japonica Group]
LOC_Os05g20150	down	PREDICTED: receptor-like protein kinase FERONIA [Oryza sativa Japonica Group]
LOC_Os05g22840	down	hypothetical protein MTR_0002s0250 [Medicago truncatula]
LOC_Os05g22940	down	PREDICTED: acetyl-CoA carboxylase 2 [Oryza sativa Japonica Group]
LOC_Os05g23440	up	PREDICTED: solute carrier family 35 member F1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g23670	up	PREDICTED: putative lysine-specific demethylase JM16 [Oryza sativa Japonica Group]
LOC_Os05g24000	up	PREDICTED: uncharacterized protein LOC4338365 isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g24150	down	Os05g0307200 [Oryza sativa Japonica Group]
LOC_Os05g24650	up	PREDICTED: protein LURP-one-related 8 [Oryza sativa Japonica Group]
LOC_Os05g24660	up	PREDICTED: adenylate isopentenyltransferase 3, chloroplastic-like [Oryza sativa Japonica Group]
LOC_Os05g25194	up	PREDICTED: putative zinc transporter At3g08650 [Oryza sativa Japonica Group]
LOC_Os05g25260	up	PREDICTED: ethylene-responsive transcription factor 3 [Oryza sativa Japonica Group]
LOC_Os05g25430	up	hypothetical protein OsI_19448 [Oryza sativa Indica Group]
LOC_Os05g25600	down	Os07g0513300 [Oryza sativa Japonica Group]
LOC_Os05g25780	down	PREDICTED: rhodanese-like domain-containing protein 7 [Oryza sativa Japonica Group]
LOC_Os05g25974	down	Os05g0325400, partial [Oryza sativa Japonica Group]
LOC_Os05g26040	down	Os05g0326650 [Oryza sativa Japonica Group]
LOC_Os05g26902	down	PREDICTED: chaperone protein DnaJ-like isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g27660	up	PREDICTED: uncharacterized protein LOC4338473 [Oryza sativa Japonica Group]
LOC_Os05g28630	down	PREDICTED: protein trichome birefringence-like 28 [Oryza sativa Japonica Group]
LOC_Os05g28690	down	PREDICTED: protein FAM91A1 isoform X2 [Oryza sativa Japonica Group]
LOC_Os05g28870	up	hypothetical protein OsJ_18207 [Oryza sativa Japonica Group]
LOC_Os05g30280	up	PREDICTED: beta-glucosidase 20 isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g30500	up	PREDICTED: uncharacterized protein LOC4338570 [Oryza sativa Japonica Group]
LOC_Os05g30810	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os05g30860	up	PREDICTED: succinate dehydrogenase subunit 4, mitochondrial-like [Oryza sativa Japonica Group]

LOC_Os05g30880	up	PREDICTED: ribosomal RNA-processing protein 14-C [Oryza sativa Japonica Group]
LOC_Os05g31280	down	PREDICTED: protein GAST1 [Oryza sativa Japonica Group]
LOC_Os05g31740	up	PREDICTED: cytochrome P450 94B3 [Oryza sativa Japonica Group]
LOC_Os05g32060	up	PREDICTED: uncharacterized protein LOC4338656 [Oryza sativa Japonica Group]
LOC_Os05g32360	up	PREDICTED: cyclin-dependent kinase C-1 [Oryza sativa Japonica Group]
LOC_Os05g32680	down	PREDICTED: protein PALE CRESS, chloroplastic [Oryza sativa Japonica Group]
LOC_Os05g32710	down	PREDICTED: isoamylase 2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os05g32850	up	unknown protein [Oryza sativa Japonica Group]
LOC_Os05g33010	up	PREDICTED: uncharacterized protein LOC9271739 [Oryza sativa Japonica Group]
LOC_Os05g33020	down	PREDICTED: preprotein translocase subunit SCY2, chloroplastic isoform X2 [Oryza sativa Japonica Group]
LOC_Os05g33460	up	PREDICTED: uncharacterized protein LOC4338742 [Oryza sativa Japonica Group]
LOC_Os05g33500	down	PREDICTED: uncharacterized protein LOC4338743 [Oryza sativa Japonica Group]
LOC_Os05g33550	down	hypothetical protein OsJ_18498 [Oryza sativa Japonica Group]
LOC_Os05g33900	down	Os05g0409500 [Oryza sativa Japonica Group]
LOC_Os05g34040	down	PREDICTED: uncharacterized protein Cbei_0202 [Oryza sativa Japonica Group]
LOC_Os05g34110	down	PREDICTED: transcription factor PCL1-like [Oryza sativa Japonica Group]
LOC_Os05g34220	up	PREDICTED: putative disease resistance protein RGA3 [Oryza sativa Japonica Group]
LOC_Os05g34480	up	PREDICTED: RPA-interacting protein A [Oryza sativa Japonica Group]
LOC_Os05g34550	down	PREDICTED: MLO-like protein 1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g34720	down	PREDICTED: uncharacterized protein LOC4338823 [Oryza sativa Japonica Group]
LOC_Os05g34770	up	PREDICTED: cytochrome c [Oryza brachyantha]
LOC_Os05g34940	up	RecName: Full=MADS-box transcription factor 4; AltName: Full=OsMADS4
LOC_Os05g35200	down	unknow protein [Oryza sativa Japonica Group]
LOC_Os05g35266	up	Os05g0427200, partial [Oryza sativa Japonica Group]
LOC_Os05g35410	down	PREDICTED: potassium channel AKT2 [Oryza sativa Japonica Group]
LOC_Os05g35500	up	PREDICTED: myb-related protein 308 [Oryza sativa Japonica Group]
LOC_Os05g35530	up	PREDICTED: uncharacterized protein LOC4338876 [Oryza sativa Japonica Group]
LOC_Os05g35930	down	PREDICTED: uncharacterized protein LOC9269376 [Oryza sativa Japonica Group]
LOC_Os05g36110	up	PREDICTED: protein LIKE COV 2 [Oryza sativa Japonica Group]

LOC_Os05g36140	up	hypothetical protein OsJ_18673 [Oryza sativa Japonica Group]
LOC_Os05g36150	up	PREDICTED: protein YIPF6 homolog [Oryza sativa Japonica Group]
LOC_Os05g36970	down	PREDICTED: uncharacterized protein LOC9272359 [Oryza sativa Japonica Group]
LOC_Os05g37080	up	hypothetical protein OsI_20128 [Oryza sativa Indica Group]
LOC_Os05g37140	up	PREDICTED: ferredoxin-6, chloroplastic [Oryza sativa Japonica Group]
LOC_Os05g37390	up	PREDICTED: protein BUD31 homolog 2 [Oryza sativa Japonica Group]
LOC_Os05g37700	down	PREDICTED: beta-glucosidase BoGH3B [Oryza sativa Japonica Group]
LOC_Os05g38190	down	unknow protein [Oryza sativa Japonica Group]
LOC_Os05g38480	down	PREDICTED: kinesin-like protein KIF22 isoform X2 [Oryza sativa Japonica Group]
LOC_Os05g38710	up	PREDICTED: phosphatidate phosphatase PAH1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g38820	up	putative CCAAT-binding transcription factor subunit A [Oryza sativa Japonica Group]
LOC_Os05g38984	down	--
LOC_Os05g39140	up	PREDICTED: uncharacterized protein LOC4339056 [Oryza sativa Japonica Group]
LOC_Os05g39380	up	PREDICTED: uncharacterized protein LOC4339072 [Oryza sativa Japonica Group]
LOC_Os05g39400	down	Os05g0470900 [Oryza sativa Japonica Group]
LOC_Os05g39580	up	PREDICTED: abscisic acid receptor PYL4 [Oryza sativa Japonica Group]
LOC_Os05g39730	up	PREDICTED: uncharacterized protein LOC4339093 [Oryza sativa Japonica Group]
LOC_Os05g40040	up	PREDICTED: uncharacterized protein LOC4339110 [Oryza sativa Japonica Group]
LOC_Os05g40150	down	PREDICTED: putative disease resistance RPP13-like protein 3 [Oryza sativa Japonica Group]
LOC_Os05g40170	up	PREDICTED: uncharacterized protein LOC4339114 [Oryza sativa Japonica Group]
LOC_Os05g40280	up	hypothetical protein OsJ_18951 [Oryza sativa Japonica Group]
LOC_Os05g40300	down	PREDICTED: NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 1 [Oryza sativa Japonica Group]
LOC_Os05g40330	down	PREDICTED: uncharacterized protein LOC4339130 [Oryza sativa Japonica Group]
LOC_Os05g40540	down	hypothetical protein OsJ_18974 [Oryza sativa Japonica Group]
LOC_Os05g40630	down	PREDICTED: protein LURP-one-related 8 [Oryza sativa Japonica Group]
LOC_Os05g40780	up	PREDICTED: protein KRTCAP2 homolog [Oryza sativa Japonica Group]
LOC_Os05g40910	up	PREDICTED: uncharacterized protein LOC4339148 [Oryza sativa Japonica Group]
LOC_Os05g40960	down	PREDICTED: uncharacterized protein LOC4339151 isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g41030	down	PREDICTED: xylogen-like protein 11 [Oryza sativa Japonica Group]

LOC_Os05g41390	down	hypothetical protein OsJ_19037 [Oryza sativa Japonica Group]
LOC_Os05g41440	down	PREDICTED: cytochrome P450 98A1 [Oryza sativa Japonica Group]
LOC_Os05g41520	down	PREDICTED: E3 ubiquitin-protein ligase RING1-like isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g41540	down	PREDICTED: uncharacterized protein LOC4339196 [Oryza sativa Japonica Group]
LOC_Os05g41670	up	PREDICTED: metacaspase-5 [Oryza sativa Japonica Group]
LOC_Os05g41790	down	PREDICTED: zinc finger CCCH domain-containing protein 36 [Oryza sativa Japonica Group]
LOC_Os05g41800	down	PREDICTED: ribosomal protein L11 methyltransferase [Oryza sativa Japonica Group]
LOC_Os05g42010	up	PREDICTED: traB domain-containing protein [Oryza sativa Japonica Group]
LOC_Os05g42120	down	PREDICTED: 22.3 kDa class VI heat shock protein [Oryza sativa Japonica Group]
LOC_Os05g42190	down	PREDICTED: NAD(P)H dehydrogenase (quinone) FQR1 [Oryza sativa Japonica Group]
LOC_Os05g42340	down	Os05g0503200 [Oryza sativa Japonica Group]
LOC_Os05g43140	down	PREDICTED: uncharacterized protein LOC4339260 [Oryza sativa Japonica Group]
LOC_Os05g43240	down	hypothetical protein OsJ_19139 [Oryza sativa Japonica Group]
LOC_Os05g43470	up	PREDICTED: outer envelope protein 80, chloroplastic [Oryza sativa Japonica Group]
LOC_Os05g43660	down	PREDICTED: uncharacterized protein LOC107278630 [Oryza sativa Japonica Group]
LOC_Os05g43850	down	PREDICTED: tubby-like F-box protein 9 [Oryza sativa Japonica Group]
LOC_Os05g43940	down	PREDICTED: O-methyltransferase ZRP4 [Oryza sativa Japonica Group]
LOC_Os05g44350	down	hypothetical protein OsI_20657 [Oryza sativa Indica Group]
LOC_Os05g44360	up	Os05g0519900, partial [Oryza sativa Japonica Group]
LOC_Os05g44380	up	Os05g0520100 [Oryza sativa Japonica Group]
LOC_Os05g44800	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os05g44922	up	PREDICTED: ATP-dependent 6-phosphofructokinase 6 [Oryza sativa Japonica Group]
LOC_Os05g45090	down	PREDICTED: UDP-glycosyltransferase 88F3 [Oryza sativa Japonica Group]
LOC_Os05g45110	down	PREDICTED: UDP-glycosyltransferase 88F3-like [Oryza sativa Japonica Group]
LOC_Os05g45680	up	Os05g0533350 [Oryza sativa Japonica Group]
LOC_Os05g45710	down	PREDICTED: probable serine acetyltransferase 5 [Oryza sativa Japonica Group]
LOC_Os05g45990	up	PREDICTED: uncharacterized protein LOC4339449 [Oryza sativa Japonica Group]
LOC_Os05g46110	down	hypothetical protein OsI_20794 [Oryza sativa Indica Group]
LOC_Os05g46220	up	PREDICTED: probable ADP,ATP carrier protein At5g56450 [Oryza sativa Japonica Group]

LOC_Os05g46290	down	PREDICTED: chaperonin CPN60-like 2, mitochondrial [Oryza sativa Japonica Group]
LOC_Os05g46470	down	PREDICTED: uncharacterized protein LOC9268161 [Oryza sativa Japonica Group]
LOC_Os05g46500	up	hypothetical protein OsJ_19404 [Oryza sativa Japonica Group]
LOC_Os05g46520	down	PREDICTED: probable polygalacturonase At1g80170 [Oryza sativa Japonica Group]
LOC_Os05g46910	down	putative transposase [Oryza sativa Japonica Group]
LOC_Os05g46950	down	PREDICTED: uncharacterized protein LOC4339507 [Oryza sativa Japonica Group]
LOC_Os05g47650	up	PREDICTED: AP2/ERF and B3 domain-containing protein Os05g0549800 [Oryza sativa Japonica Group]
LOC_Os05g47660	up	putative phosphatidic acid phosphatase (PAP2) family [Oryza sativa Japonica Group]
LOC_Os05g47670	up	hypothetical protein OsI_20878 [Oryza sativa Indica Group]
LOC_Os05g47810	up	hypothetical protein OsI_20889 [Oryza sativa Indica Group]
LOC_Os05g48010	up	PREDICTED: transcription factor RAX2 [Oryza sativa Japonica Group]
LOC_Os05g48030	up	PREDICTED: probable histone chaperone ASF1A [Oryza sativa Japonica Group]
LOC_Os05g48230	up	hypothetical protein OsJ_19495 [Oryza sativa Japonica Group]
LOC_Os05g48240	up	PREDICTED: dynamin-related protein 5A [Oryza sativa Japonica Group]
LOC_Os05g48260	up	hypothetical protein OsI_20927 [Oryza sativa Indica Group]
LOC_Os05g48600	down	PREDICTED: probable glucuronosyltransferase Os05g0559600 isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g49140	down	PREDICTED: mitogen-activated protein kinase 7 [Oryza sativa Japonica Group]
LOC_Os05g49164	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os05g49170	down	PREDICTED: cold-regulated 413 inner membrane protein 1, chloroplastic [Oryza sativa Japonica Group]
LOC_Os05g49250	up	PREDICTED: probable DNA-3-methyladenine glycosylase 2 [Oryza sativa Japonica Group]
LOC_Os05g49620	up	PREDICTED: probable WRKY transcription factor 41 [Oryza sativa Japonica Group]
LOC_Os05g49630	up	PREDICTED: uncharacterized protein LOC9267436 [Oryza sativa Japonica Group]
LOC_Os05g49650	down	PREDICTED: uncharacterized protein LOC4339667 isoform X1 [Oryza sativa Japonica Group]
LOC_Os05g49750	up	PREDICTED: uncharacterized protein LOC4339673 [Oryza sativa Japonica Group]
LOC_Os05g49810	down	PREDICTED: uncharacterized protein LOC107277155 isoform X2 [Oryza sativa Japonica Group]
LOC_Os05g50090	up	hypothetical protein OsJ_19648 [Oryza sativa Japonica Group]
LOC_Os05g50340	down	PREDICTED: protein RADIALIS-like 3 [Oryza sativa Japonica Group]
LOC_Os05g50770	down	PREDICTED: S-type anion channel SLAH2 [Oryza sativa Japonica Group]
LOC_Os05g50890	up	PREDICTED: jasmonic acid-amido synthetase JAR1 [Oryza sativa Japonica Group]

LOC_Os05g51470	down	PREDICTED: plant cysteine oxidase 2 [Oryza sativa Japonica Group]
LOC_Os05g51540	down	PREDICTED: pistil-specific extensin-like protein [Oryza sativa Japonica Group]
LOC_Os05g51780	up	PREDICTED: putative RING-H2 finger protein ATL12 [Oryza sativa Japonica Group]
LOC_Os06g01360	up	PREDICTED: homogentisate 1,2-dioxygenase isoform X2 [Oryza sativa Japonica Group]
LOC_Os06g01410	up	PREDICTED: glutaminyl-peptide cyclotransferase [Oryza sativa Japonica Group]
LOC_Os06g01460	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os06g01720	up	PREDICTED: uncharacterized protein LOC4339867 [Oryza sativa Japonica Group]
LOC_Os06g01972	down	PREDICTED: WAT1-related protein At3g30340 [Oryza sativa Japonica Group]
LOC_Os06g01990	up	Os06g0109500 [Oryza sativa Japonica Group]
LOC_Os06g02210	down	PREDICTED: bark storage protein A isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g02340	down	PREDICTED: uncharacterized protein LOC4339907 [Oryza sativa Japonica Group]
LOC_Os06g02380	down	PREDICTED: ruBisCO large subunit-binding protein subunit beta, chloroplastic [Oryza sativa Japonica Group]
LOC_Os06g02400	down	PREDICTED: pentatricopeptide repeat-containing protein At1g08070, chloroplastic [Oryza sativa Japonica Group]
LOC_Os06g02410	down	hypothetical protein OsI_21373 [Oryza sativa Indica Group]
LOC_Os06g02490	down	PREDICTED: acyl-CoA-binding protein [Oryza sativa Japonica Group]
LOC_Os06g02730	down	nucleoid DNA-binding protein cnd41-like [Oryza sativa Japonica Group]
LOC_Os06g02770	down	Os06g0118600 [Oryza sativa Japonica Group]
LOC_Os06g02810	down	PREDICTED: uncharacterized protein LOC107278138 [Oryza sativa Japonica Group]
LOC_Os06g02830	down	PREDICTED: uncharacterized protein LOC4339942 [Oryza sativa Japonica Group]
LOC_Os06g02840	down	hypothetical protein OsJ_19921 [Oryza sativa Japonica Group]
LOC_Os06g02850	down	PREDICTED: uncharacterized protein LOC4339943 [Oryza sativa Japonica Group]
LOC_Os06g02960	down	PREDICTED: uncharacterized protein LOC4339947 isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g03580	up	PREDICTED: E3 ubiquitin ligase BIG BROTHER [Oryza sativa Japonica Group]
LOC_Os06g03690	up	PREDICTED: RNA-binding protein 1 [Oryza sativa Japonica Group]
LOC_Os06g03740	down	PREDICTED: glutamate formimidoyltransferase-like [Oryza sativa Japonica Group]
LOC_Os06g03800	down	PREDICTED: probable E3 ubiquitin-protein ligase XBOS36 [Oryza sativa Japonica Group]
LOC_Os06g03900	down	lipase-like [Oryza sativa Japonica Group]
LOC_Os06g03930	down	PREDICTED: cytochrome P450 704C1 [Oryza sativa Japonica Group]
LOC_Os06g04000	up	PREDICTED: peptidyl-prolyl cis-trans isomerase CYP18-1 [Oryza sativa Japonica Group]

LOC_Os06g04140	up	PREDICTED: uncharacterized protein LOC4340014 [Oryza sativa Japonica Group]
LOC_Os06g04610	down	PREDICTED: probable ribosome-binding factor A, chloroplastic [Oryza sativa Japonica Group]
LOC_Os06g04950	down	putative early nodulin [Oryza sativa Japonica Group]
LOC_Os06g05020	down	PREDICTED: early nodulin-93 [Oryza sativa Japonica Group]
LOC_Os06g05070	up	hypothetical protein OsJ_20087 [Oryza sativa Japonica Group]
LOC_Os06g05355	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os06g05750	up	PREDICTED: rosmarinate synthase [Oryza sativa Japonica Group]
LOC_Os06g06450	up	PREDICTED: hsp70-Hsp90 organizing protein [Oryza sativa Japonica Group]
LOC_Os06g06770	down	PREDICTED: putative esterase YitV [Oryza sativa Japonica Group]
LOC_Os06g06850	up	PREDICTED: putative disease resistance RPP13-like protein 3 [Oryza sativa Japonica Group]
LOC_Os06g07030	up	PREDICTED: ethylene-responsive transcription factor RAP2-9 [Oryza sativa Japonica Group]
LOC_Os06g07180	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os06g07210	down	PREDICTED: ribonucleoside-diphosphate reductase large subunit [Oryza sativa Japonica Group]
LOC_Os06g07860	up	PREDICTED: cystathionine beta-lyase, chloroplastic isoform X2 [Oryza sativa Japonica Group]
LOC_Os06g07941	down	Os06g0176800 [Oryza sativa Japonica Group]
LOC_Os06g08041	down	Os06g0176800 [Oryza sativa Japonica Group]
LOC_Os06g08530	up	hypothetical protein OsI_21934 [Oryza sativa Indica Group]
LOC_Os06g08600	down	PREDICTED: short-chain type dehydrogenase/reductase [Oryza sativa Japonica Group]
LOC_Os06g08610	up	PREDICTED: rosmarinate synthase [Oryza sativa Japonica Group]
LOC_Os06g09330	up	PREDICTED: ubiquitin-conjugating enzyme E2 34 [Oryza sativa Japonica Group]
LOC_Os06g09610	down	PREDICTED: putative peroxiredoxin Q, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g09620	up	PREDICTED: atherin [Oryza sativa Japonica Group]
LOC_Os06g09630	down	PREDICTED: 3-oxoacyl-[acyl-carrier-protein] synthase I, chloroplastic [Oryza sativa Japonica Group]
LOC_Os06g09688	down	putative chaperonin 21 precursor [Oryza sativa Japonica Group]
LOC_Os06g09940	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os06g10100	down	PREDICTED: uncharacterized protein LOC4340416 [Oryza sativa Japonica Group]
LOC_Os06g10109	up	PREDICTED: uncharacterized protein LOC4340417 [Oryza sativa Japonica Group]
LOC_Os06g10130	up	PREDICTED: uncharacterized protein LOC4340420 [Oryza sativa Japonica Group]
LOC_Os06g10410	down	PREDICTED: mechanosensitive ion channel protein 10 [Oryza sativa Japonica Group]

LOC_Os06g10580	up	PREDICTED: probable cyclic nucleotide-gated ion channel 20, chloroplastic [Oryza sativa Japonica Group]
LOC_Os06g10670	down	PREDICTED: aspartic proteinase nepenthesin-1 [Oryza sativa Japonica Group]
LOC_Os06g10750	down	PREDICTED: WAT1-related protein At1g21890 [Oryza sativa Japonica Group]
LOC_Os06g10760	up	Os06g0210100, partial [Oryza sativa Japonica Group]
LOC_Os06g10790	up	PREDICTED: L-type lectin-domain containing receptor kinase S.4 [Oryza sativa Japonica Group]
LOC_Os06g11230	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os06g11320	up	PREDICTED: peptidyl-prolyl cis-trans isomerase CYP40 [Oryza sativa Japonica Group]
LOC_Os06g11400	down	PREDICTED: protein CURVATURE THYLAKOID 1A, chloroplastic [Oryza sativa Japonica Group]
LOC_Os06g11410	down	PREDICTED: cyclin-D3-1 [Oryza sativa Japonica Group]
LOC_Os06g11430	up	PREDICTED: GEM-like protein 1 [Oryza sativa Japonica Group]
LOC_Os06g11740	up	PREDICTED: 5'-adenylylsulfate reductase-like 2 [Oryza sativa Japonica Group]
LOC_Os06g11860	up	PREDICTED: ethylene-responsive transcription factor RAP2-13 [Oryza sativa Japonica Group]
LOC_Os06g11910	up	PREDICTED: metallophosphoesterase 1 [Oryza sativa Japonica Group]
LOC_Os06g12100	down	PREDICTED: uncharacterized protein LOC4340542 [Oryza sativa Japonica Group]
LOC_Os06g12150	up	PREDICTED: shikimate kinase 2, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g12560	down	PREDICTED: NEP1-interacting protein-like 2 isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g12590	up	PREDICTED: serine/threonine-protein kinase EDR1 [Oryza sativa Japonica Group]
LOC_Os06g12610	down	PREDICTED: probable auxin efflux carrier component 1c [Oryza sativa Japonica Group]
LOC_Os06g12630	down	PREDICTED: glutathione S-transferase DHAR3, chloroplastic [Oryza sativa Japonica Group]
LOC_Os06g12800	down	PREDICTED: protein ALTERED XYLOGLUCAN 4-like [Oryza sativa Japonica Group]
LOC_Os06g13100	down	CREG2-protein-like [Oryza sativa Japonica Group]
LOC_Os06g13140	down	Os06g0238700 [Oryza sativa Japonica Group]
LOC_Os06g13190	up	PREDICTED: uncharacterized protein LOC4340617 [Oryza sativa Japonica Group]
LOC_Os06g13215	down	PREDICTED: uncharacterized protein At1g04910 isoform X3 [Oryza sativa Japonica Group]
LOC_Os06g13280	down	putative O-methyltransferase [Oryza sativa Japonica Group]
LOC_Os06g13580	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os06g13660	down	hypothetical protein OsJ_20798 [Oryza sativa Japonica Group]
LOC_Os06g13680	up	PREDICTED: uncharacterized protein LOC4340639 [Oryza sativa Japonica Group]
LOC_Os06g13830	down	putative endo-beta-1,4-glucanase precursor [Oryza sativa Japonica Group]

LOC_Os06g14390	down	PREDICTED: 1-aminocyclopropane-1-carboxylate oxidase homolog 4 [Oryza sativa Japonica Group]
LOC_Os06g14550	down	PREDICTED: signal recognition particle 9 kDa protein [Oryza sativa Japonica Group]
LOC_Os06g14740	up	PREDICTED: uncharacterized protein LOC4340684 isoform X2 [Oryza sativa Japonica Group]
LOC_Os06g15380	down	PREDICTED: acylphosphatase [Oryza sativa Japonica Group]
LOC_Os06g15420	down	PREDICTED: asparagine synthetase [glutamine-hydrolyzing] 2 [Oryza sativa Japonica Group]
LOC_Os06g15779	down	aluminum-activated malate transporter-like [Oryza sativa Japonica Group]
LOC_Os06g16260	up	PREDICTED: signal peptidase complex catalytic subunit SEC11A [Oryza sativa Japonica Group]
LOC_Os06g16300	down	PREDICTED: protein NSP-INTERACTING KINASE 2 isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g17285	up	hypothetical protein OsJ_20986 [Oryza sativa Japonica Group]
LOC_Os06g17490	down	PREDICTED: probable L-type lectin-domain containing receptor kinase S.7 [Oryza sativa Japonica Group]
LOC_Os06g17950	up	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os06g18010	down	PREDICTED: UDP-glycosyltransferase 708A6 [Oryza sativa Japonica Group]
LOC_Os06g18960	up	PREDICTED: uncharacterized protein LOC4340797 [Oryza sativa Japonica Group]
LOC_Os06g19220	down	hypothetical protein OsJ_21047 [Oryza sativa Japonica Group]
LOC_Os06g19260	up	PREDICTED: uncharacterized protein LOC4340805 isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g19590	down	PREDICTED: very-long-chain 3-oxoacyl-CoA reductase 1 [Oryza sativa Japonica Group]
LOC_Os06g19680	up	PREDICTED: ERAD-associated E3 ubiquitin-protein ligase HRD1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g19740	down	Os06g0301400 [Oryza sativa Japonica Group]
LOC_Os06g19970	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os06g19980	down	PREDICTED: RNA polymerase I termination factor isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g20150	up	PREDICTED: peroxidase 1-like [Oryza sativa Japonica Group]
LOC_Os06g21020	down	putative S-adenosyl-L-methionine [Oryza sativa Japonica Group]
LOC_Os06g21360	down	putative Na ⁺ /H ⁺ exchanger 4 [Oryza sativa Japonica Group]
LOC_Os06g21760	up	Os06g0322500 [Oryza sativa Japonica Group]
LOC_Os06g22660	down	PREDICTED: uncharacterized protein LOC4340927 isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g22820	up	PREDICTED: cyclin-dependent kinase F-1 [Oryza sativa Japonica Group]
LOC_Os06g23760	up	hypothetical protein OsI_22869 [Oryza sativa Indica Group]
LOC_Os06g23780	up	Os06g0346300 [Oryza sativa Japonica Group]
LOC_Os06g25250	up	PREDICTED: ribonuclease 3-like protein 3 [Oryza sativa Japonica Group]

LOC_Os06g25520	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os06g25605	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os06g27370	up	PREDICTED: uncharacterized protein LOC9272503 [Oryza sativa Japonica Group]
LOC_Os06g27760	down	PREDICTED: peptide methionine sulfoxide reductase B1, chloroplastic [Oryza sativa Japonica Group]
LOC_Os06g28530	up	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os06g28630	down	PREDICTED: protein RADIALIS-like 1 [Oryza sativa Japonica Group]
LOC_Os06g29490	down	PREDICTED: uncharacterized protein LOC4341082 isoform X2 [Oryza sativa Japonica Group]
LOC_Os06g29804	down	PREDICTED: paired amphipathic helix protein Sin3-like 4 [Oryza sativa Japonica Group]
LOC_Os06g30230	up	hypothetical protein OsI_23082 [Oryza sativa Indica Group]
LOC_Os06g30400	up	PREDICTED: uncharacterized protein LOC107277573 [Oryza sativa Japonica Group]
LOC_Os06g30420	up	putative fertility restorer [Oryza sativa Japonica Group]
LOC_Os06g30500	down	PREDICTED: premnaspirodiene oxygenase [Oryza sativa Japonica Group]
LOC_Os06g30570	down	OSJNBa0089E12.19 [Oryza sativa Japonica Group]
LOC_Os06g30750	down	PREDICTED: reticulon-like protein B2 [Oryza sativa Japonica Group]
LOC_Os06g33170	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os06g33570	up	PREDICTED: cyclic nucleotide-gated ion channel 1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g34020	down	Os06g0531000 [Oryza sativa Japonica Group]
LOC_Os06g34960	up	PREDICTED: G-type lectin S-receptor-like serine/threonine-protein kinase At1g67520 [Oryza sativa Japonica Group]
LOC_Os06g34970	up	Os06g0541600 [Oryza sativa Japonica Group]
LOC_Os06g35060	up	PREDICTED: protein doublesex [Oryza sativa Japonica Group]
LOC_Os06g35200	down	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At2g24230 [Oryza sativa Japonica Group]
LOC_Os06g35490	down	PREDICTED: peroxidase P7 [Oryza sativa Japonica Group]
LOC_Os06g35550	up	retrotransposon protein, putative, Ty1-copia subclass [Oryza sativa Japonica Group]
LOC_Os06g35830	down	PREDICTED: uncharacterized protein LOC4341267 isoform X2 [Oryza sativa Japonica Group]
LOC_Os06g35900	up	PREDICTED: protein BZR1 homolog 3 [Oryza sativa Japonica Group]
LOC_Os06g35940	down	PREDICTED: protein FLOWERING LOCUS T isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g36070	down	PREDICTED: uncharacterized protein LOC4341279 [Oryza sativa Japonica Group]
LOC_Os06g36170	up	PREDICTED: tRNA A64-2'-O-ribosylphosphate transferase [Oryza sativa Japonica Group]
LOC_Os06g36220	down	PREDICTED: putative F-box protein At1g49610 [Oryza sativa Japonica Group]

LOC_Os06g36310	down	Os06g0557400 [Oryza sativa Japonica Group]
LOC_Os06g36320	down	putative leucine-rich receptor-like protein kinase [Oryza sativa Japonica Group]
LOC_Os06g36330	down	PREDICTED: protein DETOXIFICATION 51-like [Oryza sativa Japonica Group]
LOC_Os06g36380	up	--
LOC_Os06g36450	down	PREDICTED: solute carrier family 40 member 1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g36740	down	PREDICTED: pollen-specific protein SF21 [Oryza sativa Japonica Group]
LOC_Os06g36940	down	PREDICTED: protein starmaker [Oryza sativa Japonica Group]
LOC_Os06g37224	up	PREDICTED: ent-kaurene oxidase-like 5 [Oryza sativa Japonica Group]
LOC_Os06g37280	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os06g37410	up	hypothetical protein OsI_23433 [Oryza sativa Indica Group]
LOC_Os06g38320	up	PREDICTED: uncharacterized protein LOC4341379 isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g38580	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os06g38710	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os06g38730	up	hypothetical protein OsJ_21819 [Oryza sativa Japonica Group]
LOC_Os06g38770	up	hypothetical protein OsI_23516 [Oryza sativa Indica Group]
LOC_Os06g38890	down	transposon protein, putative, Mutator sub-class, expressed [Oryza sativa Japonica Group]
LOC_Os06g38950	up	PREDICTED: ABC transporter A family member 8 [Oryza sativa Japonica Group]
LOC_Os06g39040	down	PREDICTED: dehydrogenase/reductase SDR family member 12 [Oryza sativa Japonica Group]
LOC_Os06g39390	down	PREDICTED: methanol O-anthraniloyltransferase [Oryza sativa Japonica Group]
LOC_Os06g39624	up	PREDICTED: glutathione S-transferase T3-like isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g39708	down	photosystem II 47kDa protein _ chloroplast [Oryza sativa Japonica Group]
LOC_Os06g39870	up	PREDICTED: 26S protease regulatory subunit 8 homolog A [Oryza sativa Japonica Group]
LOC_Os06g39906	down	PREDICTED: protein OVEREXPRESSOR OF CATIONIC PEROXIDASE 3 [Oryza sativa Japonica Group]
LOC_Os06g40030	up	PREDICTED: putative receptor protein kinase ZmPK1 [Oryza sativa Japonica Group]
LOC_Os06g40180	down	PREDICTED: phospholipase D alpha 2-like [Oryza sativa Japonica Group]
LOC_Os06g40440	down	PREDICTED: uncharacterized protein LOC4341478 [Oryza sativa Japonica Group]
LOC_Os06g40560	up	PREDICTED: 26S protease regulatory subunit S10B homolog B [Oryza sativa Japonica Group]
LOC_Os06g41020	down	PREDICTED: uncharacterized protein LOC4341521 isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g41450	up	hypothetical protein OsI_23715 [Oryza sativa Indica Group]

LOC_Os06g41700	down	PREDICTED: expansin-A16 [Oryza sativa Japonica Group]
LOC_Os06g42720	down	PREDICTED: sodium-coupled neutral amino acid transporter 2 [Oryza sativa Japonica Group]
LOC_Os06g43180	down	PREDICTED: kynurenine formamidase isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g43190	up	PREDICTED: extensin [Oryza sativa Japonica Group]
LOC_Os06g43384	up	PREDICTED: cytochrome P450 71D7 [Oryza sativa Japonica Group]
LOC_Os06g43600	down	14 kDa proline-rich protein DC2.15-like [Phalaenopsis equestris]
LOC_Os06g43680	up	PREDICTED: protein S-acyltransferase 24 isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g43870	down	PREDICTED: translation initiation factor IF-2 [Oryza sativa Japonica Group]
LOC_Os06g44034	down	--
LOC_Os06g44040	up	PREDICTED: cytochrome b561, DM13 and DOMON domain-containing protein At5g54830 [Oryza sativa Japonica Group]
LOC_Os06g44374	up	PREDICTED: protein transport protein Sec61 subunit gamma-like [Oryza sativa Japonica Group]
LOC_Os06g44460	down	PREDICTED: D-3-phosphoglycerate dehydrogenase 3, chloroplastic [Oryza sativa Japonica Group]
LOC_Os06g44610	down	PREDICTED: CASP-like protein 2C1 [Oryza sativa Japonica Group]
LOC_Os06g44690	down	OSJNBb0061C13.13 [Oryza sativa Japonica Group]
LOC_Os06g44910	up	PREDICTED: glutaredoxin-C8 [Oryza sativa Japonica Group]
LOC_Os06g45050	down	hypothetical protein OsJ_22244 [Oryza sativa Japonica Group]
LOC_Os06g45060	up	PREDICTED: uncharacterized protein LOC4341746 [Oryza sativa Japonica Group]
LOC_Os06g45140	up	PREDICTED: basic leucine zipper 9 [Oryza sativa Japonica Group]
LOC_Os06g45430	up	PREDICTED: ALA-interacting subunit 3 [Oryza sativa Japonica Group]
LOC_Os06g45850	down	PREDICTED: OTU domain-containing protein DDB_G0284757 isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g45950	up	hypothetical protein OsI_24070 [Oryza sativa Indica Group]
LOC_Os06g45970	up	PREDICTED: rRNA 2'-O-methyltransferase fibrillar [Oryza sativa Japonica Group]
LOC_Os06g45980	down	PREDICTED: twinkle homolog protein, chloroplastic/mitochondrial isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g46160	up	PREDICTED: uncharacterized protein LOC4341818 [Oryza sativa Japonica Group]
LOC_Os06g46340	up	PREDICTED: probable alpha-glucosidase Os06g0675700 [Oryza sativa Japonica Group]
LOC_Os06g46450	up	PREDICTED: solanesyl-diphosphate synthase 1, mitochondrial isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g46910	down	PREDICTED: uncharacterized protein LOC4341867 [Oryza sativa Japonica Group]
LOC_Os06g46970	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os06g46990	down	PREDICTED: uncharacterized protein LOC4341875 [Oryza sativa Japonica Group]

LOC_Os06g47210	down	PREDICTED: probable mitochondrial intermediate peptidase, mitochondrial isoform X2 [Oryza sativa Japonica Group]
LOC_Os06g47320	up	PREDICTED: T-complex protein 1 subunit eta [Oryza sativa Japonica Group]
LOC_Os06g47340	down	PREDICTED: probable glucuronosyltransferase Os06g0687900 [Oryza sativa Japonica Group]
LOC_Os06g47520	up	PREDICTED: uncharacterized protein LOC4341899 [Oryza sativa Japonica Group]
LOC_Os06g47620	down	PREDICTED: IAA-amino acid hydrolase ILR1-like 6 [Oryza sativa Japonica Group]
LOC_Os06g47710	up	leucine-rich receptor-like protein kinase-like [Oryza sativa Japonica Group]
LOC_Os06g47720	up	PREDICTED: tyrosine-sulfated glycopeptide receptor 1-like [Oryza sativa Japonica Group]
LOC_Os06g47900	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os06g48580	down	OSJNBa0089N06.20 [Oryza sativa Japonica Group]
LOC_Os06g49070	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os06g49140	up	PREDICTED: putative tRNA (cytidine(32)/guanosine(34)-2'-O)-methyltransferase [Oryza sativa Japonica Group]
LOC_Os06g49150	down	PREDICTED: glycosyltransferase family 64 protein C4 [Oryza sativa Japonica Group]
LOC_Os06g49200	down	PREDICTED: uncharacterized protein LOC4342004 isoform X1 [Oryza sativa Japonica Group]
LOC_Os06g49240	down	PREDICTED: protein NRT1/ PTR FAMILY 8.3 [Oryza sativa Japonica Group]
LOC_Os06g49310	up	PREDICTED: protein DETOXIFICATION 16 [Oryza sativa Japonica Group]
LOC_Os06g49430	up	PREDICTED: mitogen-activated protein kinase 12 [Oryza sativa Japonica Group]
LOC_Os06g49470	up	PREDICTED: peptidyl-prolyl cis-trans isomerase CYP20-1 [Oryza sativa Japonica Group]
LOC_Os06g49520	up	PREDICTED: arogenate dehydrogenase 2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os06g49700	up	PREDICTED: uncharacterized protein LOC4342036 [Oryza sativa Japonica Group]
LOC_Os06g49940	up	Os06g0713500 [Oryza sativa Japonica Group]
LOC_Os06g50000	down	PREDICTED: NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 9 [Oryza sativa Japonica Group]
LOC_Os06g50030	up	PREDICTED: CDPK-related kinase 3 [Oryza sativa Japonica Group]
LOC_Os06g50120	down	PREDICTED: novel plant SNARE 11 [Oryza sativa Japonica Group]
LOC_Os06g50650	up	PREDICTED: basic blue protein [Oryza sativa Japonica Group]
LOC_Os06g50670	down	hypothetical protein OsI_24491 [Oryza sativa Indica Group]
LOC_Os06g50724	down	hypothetical protein OsI_24480 [Oryza sativa Indica Group]
LOC_Os06g50920	up	PREDICTED: serine/threonine-protein kinase STY46 [Oryza sativa Japonica Group]
LOC_Os06g50950	down	PREDICTED: GDSL esterase/lipase At5g55050 [Oryza sativa Japonica Group]
LOC_Os06g51240	down	PREDICTED: uncharacterized protein LOC4342133 [Oryza sativa Japonica Group]

LOC_Os06g51460	down	PREDICTED: ABC transporter G family member 28 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g01020	up	PREDICTED: probable pyridoxal 5'-phosphate synthase subunit PDX1.1 [Oryza sativa Japonica Group]
LOC_Os07g01030	down	PREDICTED: sulfoquinovosyl transferase SQD2 [Oryza sativa Japonica Group]
LOC_Os07g01310	down	PREDICTED: glutamate receptor 3.4 [Oryza sativa Japonica Group]
LOC_Os07g01540	down	PREDICTED: uncharacterized protein LOC4342196 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g01750	up	putative ripening regulated protein DDTFR18 [Oryza sativa Japonica Group]
LOC_Os07g01880	down	PREDICTED: protein LEO1 homolog isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g02140	down	PREDICTED: flavin-containing monooxygenase FMO GS-OX-like 9 [Oryza sativa Japonica Group]
LOC_Os07g02210	down	PREDICTED: eukaryotic translation initiation factor 5A-4 [Oryza sativa Japonica Group]
LOC_Os07g02250	down	PREDICTED: uncharacterized protein LOC4342242 [Oryza sativa Japonica Group]
LOC_Os07g02590	up	unknown protein [Oryza sativa Japonica Group]
LOC_Os07g02630	up	PREDICTED: disease resistance protein RGA2 [Oryza sativa Japonica Group]
LOC_Os07g02910	up	PREDICTED: uncharacterized protein LOC4342277 [Oryza sativa Japonica Group]
LOC_Os07g03040	up	hypothetical protein OsJ_22928 [Oryza sativa Japonica Group]
LOC_Os07g03110	up	PREDICTED: uncharacterized protein LOC4342294 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g03150	down	PREDICTED: BTB/POZ domain-containing protein At3g50780 [Oryza sativa Japonica Group]
LOC_Os07g03190	up	PREDICTED: protein PHLOEM PROTEIN 2-LIKE A10 [Oryza sativa Japonica Group]
LOC_Os07g03580	up	PREDICTED: pathogenesis-related protein PRB1-2 [Oryza sativa Japonica Group]
LOC_Os07g03600	up	PREDICTED: pathogenesis-related protein PRB1-2 [Oryza sativa Japonica Group]
LOC_Os07g03790	up	PREDICTED: L-type lectin-domain containing receptor kinase IV.1-like [Oryza sativa Japonica Group]
LOC_Os07g03810	up	putative receptor-like protein kinase [Oryza sativa Japonica Group]
LOC_Os07g03820	up	putative receptor-like protein kinase [Oryza sativa Japonica Group]
LOC_Os07g03870	up	putative receptor-like protein kinase [Oryza sativa Japonica Group]
LOC_Os07g04110	up	putative receptor kinase [Oryza sativa Japonica Group]
LOC_Os07g04730	up	thaumatin-like protein [Oryza sativa Japonica Group]
LOC_Os07g04860	down	PREDICTED: protein FAR1-RELATED SEQUENCE 6 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g04930	down	hypothetical protein OsI_24859 [Oryza sativa Indica Group]
LOC_Os07g05390	up	PREDICTED: WPP domain-associated protein [Oryza sativa Japonica Group]
LOC_Os07g05460	down	Os07g0148600 [Oryza sativa Japonica Group]

LOC_Os07g05820	up	PREDICTED: peroxisomal (S)-2-hydroxy-acid oxidase GLO5 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g06740	up	PREDICTED: calcium-dependent protein kinase 26 [Oryza sativa Japonica Group]
LOC_Os07g06830	up	PREDICTED: probable carboxylesterase 15 [Oryza sativa Japonica Group]
LOC_Os07g06840	down	PREDICTED: probable carboxylesterase 15 [Oryza sativa Japonica Group]
LOC_Os07g07050	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os07g07060	down	hypothetical protein OsJ_23204 [Oryza sativa Japonica Group]
LOC_Os07g07320	down	PREDICTED: probable glutathione S-transferase GSTU6 [Oryza sativa Japonica Group]
LOC_Os07g07350	down	PREDICTED: zinc finger A20 and AN1 domain-containing stress-associated protein 9 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g07880	up	PREDICTED: putative nuclease HARB11 [Oryza sativa Japonica Group]
LOC_Os07g07950	down	PREDICTED: type I inositol polyphosphate 5-phosphatase 4 [Oryza sativa Japonica Group]
LOC_Os07g08030	down	PREDICTED: probable ribose-5-phosphate isomerase 3, chloroplastic [Oryza sativa Japonica Group]
LOC_Os07g08410	down	PREDICTED: uncharacterized protein LOC4342569 [Oryza sativa Japonica Group]
LOC_Os07g08460	down	PREDICTED: auxin-responsive protein IAA24 [Oryza sativa Japonica Group]
LOC_Os07g09050	down	PREDICTED: probable glycosyltransferase At5g03795 [Oryza sativa Japonica Group]
LOC_Os07g09060	up	PREDICTED: methylmalonate-semialdehyde dehydrogenase [acylating], mitochondrial [Oryza sativa Japonica Group]
LOC_Os07g09330	down	PREDICTED: bifunctional phosphatase IMPL2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os07g09630	up	PREDICTED: probable prolyl 4-hydroxylase 6 [Oryza sativa Japonica Group]
LOC_Os07g09670	up	PREDICTED: probable beta-1,3-galactosyltransferase 19 [Oryza sativa Japonica Group]
LOC_Os07g09690	down	PREDICTED: probable beta-1,3-galactosyltransferase 19 [Oryza sativa Japonica Group]
LOC_Os07g09890	up	PREDICTED: hexokinase-4, chloroplastic [Oryza sativa Japonica Group]
LOC_Os07g09970	down	unnamed protein product, partial [Oryza sativa Japonica Group]
LOC_Os07g10820	down	hypothetical protein OsI_25341 [Oryza sativa Indica Group]
LOC_Os07g10910	down	PREDICTED: exocyst complex component EXO70B1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g10970	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os07g11630	down	PREDICTED: alpha-amylase/trypsin inhibitor [Oryza sativa Japonica Group]
LOC_Os07g11870	up	PREDICTED: ent-cassadiene C2-hydroxylase-like [Oryza sativa Japonica Group]
LOC_Os07g12160	down	PREDICTED: KHG/KDPG aldolase [Oryza sativa Japonica Group]
LOC_Os07g12640	down	putative glycerol-3-phosphate dehydrogenase [Oryza sativa Japonica Group]
LOC_Os07g12720	down	hypothetical protein [Oryza sativa Japonica Group]

LOC_Os07g12810	up	PREDICTED: uncharacterized protein LOC4342779 [Oryza sativa Japonica Group]
LOC_Os07g12910	up	PREDICTED: PHD finger protein ALFIN-LIKE 2 [Oryza sativa Japonica Group]
LOC_Os07g13170	down	Os07g0235800, partial [Oryza sativa Japonica Group]
LOC_Os07g13530	up	PREDICTED: ras-related protein RAB1c [Oryza sativa Japonica Group]
LOC_Os07g13950	up	PREDICTED: mitochondrial import inner membrane translocase subunit TIM10 [Oryza sativa Japonica Group]
LOC_Os07g14100	down	PREDICTED: pentatricopeptide repeat-containing protein At4g18520 [Oryza sativa Japonica Group]
LOC_Os07g14160	up	PREDICTED: probable polygalacturonase isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g14820	up	hypothetical protein OsI_25539 [Oryza sativa Indica Group]
LOC_Os07g15680	down	PREDICTED: phospholipase D delta isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g16040	down	PREDICTED: hydroxypyruvate reductase [Oryza sativa Japonica Group]
LOC_Os07g17184	up	Os07g0273000, partial [Oryza sativa Japonica Group]
LOC_Os07g17500	down	Transposase family protein [Oryza sativa Japonica Group]
LOC_Os07g18158	down	Os07g0282401 [Oryza sativa Japonica Group]
LOC_Os07g18990	down	PREDICTED: putative lipid-transfer protein DIR1 [Oryza sativa Japonica Group]
LOC_Os07g19070	down	PREDICTED: B-cell receptor-associated protein 31 [Oryza sativa Japonica Group]
LOC_Os07g19470	up	PREDICTED: UPF0235 protein At5g63440 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g20544	down	PREDICTED: aspartokinase 2, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g22180	down	retrotransposon protein, putative, unclassified [Oryza sativa Japonica Group]
LOC_Os07g22670	down	PREDICTED: uncharacterized protein LOC4342999 [Oryza sativa Japonica Group]
LOC_Os07g22930	down	PREDICTED: granule-bound starch synthase 1b, chloroplastic/amyloplastic [Oryza sativa Japonica Group]
LOC_Os07g23244	down	PREDICTED: uncharacterized protein LOC4343020 [Oryza sativa Japonica Group]
LOC_Os07g23410	up	PREDICTED: fatty acid desaturase DES2 [Oryza sativa Japonica Group]
LOC_Os07g23640	down	PREDICTED: protein TsetseEP [Oryza sativa Japonica Group]
LOC_Os07g23660	down	PREDICTED: protein TsetseEP [Oryza sativa Japonica Group]
LOC_Os07g23970	down	PREDICTED: E3 ubiquitin-protein ligase EL5-like [Oryza sativa Japonica Group]
LOC_Os07g24030	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os07g24230	down	PREDICTED: probable folate-biopterin transporter 9, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g24992	down	hypothetical protein OrsajCp079 (plastid) [Oryza sativa Japonica Group]
LOC_Os07g26520	up	hypothetical protein OsI_25837 [Oryza sativa Indica Group]

LOC_Os07g26870	up	PREDICTED: cytochrome P450 89A9 [Oryza sativa Japonica Group]
LOC_Os07g28400	down	PREDICTED: CDGSH iron-sulfur domain-containing protein NEET [Oryza sativa Japonica Group]
LOC_Os07g29220	down	PREDICTED: uncharacterized protein LOC4343210 [Oryza sativa Japonica Group]
LOC_Os07g29320	down	PREDICTED: probable rRNA-processing protein EBP2 homolog [Oryza sativa Japonica Group]
LOC_Os07g29330	up	PREDICTED: serine/threonine-protein kinase STY17 isoform X3 [Oryza sativa Japonica Group]
LOC_Os07g29390	up	PREDICTED: peptidyl-prolyl cis-trans isomerase CYP21-4 [Oryza sativa Japonica Group]
LOC_Os07g29420	down	PREDICTED: DNA-directed RNA polymerase III subunit RPC8 [Oryza sativa Japonica Group]
LOC_Os07g29960	up	hypothetical protein OsJ_24256 [Oryza sativa Japonica Group]
LOC_Os07g31000	down	hypothetical protein OsI_26063 [Oryza sativa Indica Group]
LOC_Os07g31460	up	PREDICTED: peptide-N(4)-(N-acetyl-beta-glucosaminy)asparagine amidase isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g32380	up	PREDICTED: probable protein phosphatase 2C 62 [Oryza sativa Japonica Group]
LOC_Os07g32390	down	PREDICTED: protein TPX2 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g32670	up	PREDICTED: rab3 GTPase-activating protein catalytic subunit isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g32950	up	heat shock protein-like [Oryza sativa Japonica Group]
LOC_Os07g33200	down	PREDICTED: uncharacterized protein LOC4343375 [Oryza sativa Japonica Group]
LOC_Os07g33220	down	PREDICTED: uncharacterized protein LOC4343377 [Oryza sativa Japonica Group]
LOC_Os07g33350	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os07g33360	down	PREDICTED: condensin-2 complex subunit H2 [Oryza sativa Japonica Group]
LOC_Os07g33440	up	PREDICTED: taxadiene 5-alpha hydroxylase [Oryza sativa Japonica Group]
LOC_Os07g33690	up	PREDICTED: disease resistance protein RGA2 [Oryza sativa Japonica Group]
LOC_Os07g33710	up	PREDICTED: disease resistance protein RGA2 [Oryza sativa Japonica Group]
LOC_Os07g34580	down	PREDICTED: probable xyloglucan endotransglucosylase/hydrolase protein 8 [Oryza sativa Japonica Group]
LOC_Os07g34610	up	unknown protein [Oryza sativa Japonica Group]
LOC_Os07g35280	down	serine/threonine kinase receptor precursor-like protein [Oryza sativa Japonica Group]
LOC_Os07g35300	down	PREDICTED: putative receptor-like protein kinase At4g00960 [Oryza sativa Japonica Group]
LOC_Os07g35410	up	PREDICTED: putative receptor-like protein kinase At4g00960 [Oryza sativa Japonica Group]
LOC_Os07g35680	up	PREDICTED: cysteine-rich receptor-like protein kinase 10 [Oryza sativa Japonica Group]
LOC_Os07g35940	down	Os07g0543200 [Oryza sativa Japonica Group]
LOC_Os07g36110	down	PREDICTED: uncharacterized protein LOC4343517 [Oryza sativa Japonica Group]

LOC_Os07g36210	up	hypothetical protein OsI_26388 [Oryza sativa Indica Group]
LOC_Os07g36460	down	PREDICTED: transcription factor DYT1 [Oryza sativa Japonica Group]
LOC_Os07g36600	up	PREDICTED: uncharacterized protein LOC4343550 [Oryza sativa Japonica Group]
LOC_Os07g36630	down	PREDICTED: probable mixed-linked glucan synthase 8 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g36690	down	PREDICTED: mixed-linked glucan synthase 2 [Oryza sativa Japonica Group]
LOC_Os07g36800	up	PREDICTED: mitochondrial pyruvate carrier 4 [Oryza sativa Japonica Group]
LOC_Os07g37040	up	PREDICTED: uncharacterized protein LOC4343571 [Oryza sativa Japonica Group]
LOC_Os07g37110	down	PREDICTED: equilibrative nucleotide transporter 3 [Oryza sativa Japonica Group]
LOC_Os07g37320	up	PREDICTED: sugar carrier protein C [Oryza sativa Japonica Group]
LOC_Os07g38150	down	PREDICTED: uncharacterized protein LOC4343647 [Oryza sativa Japonica Group]
LOC_Os07g38270	up	PREDICTED: zinc-metalloproteinase, peroxisomal [Oryza sativa Japonica Group]
LOC_Os07g38830	up	PREDICTED: pheophytinase, chloroplastic [Oryza sativa Japonica Group]
LOC_Os07g39030	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os07g39090	down	Os07g0578800 [Oryza sativa Japonica Group]
LOC_Os07g39220	up	PREDICTED: protein BZR1 homolog 1 [Oryza sativa Japonica Group]
LOC_Os07g39260	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os07g39310	down	PREDICTED: protein indeterminate-domain 1-like [Oryza sativa Japonica Group]
LOC_Os07g39400	up	hypothetical protein OsI_26633 [Oryza sativa Indica Group]
LOC_Os07g39920	down	PREDICTED: formin-like protein 13 [Oryza sativa Japonica Group]
LOC_Os07g40260	up	PREDICTED: aspartic proteinase nepenthesin-1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g40710	up	PREDICTED: EID1-like F-box protein 2 [Oryza sativa Japonica Group]
LOC_Os07g40920	down	PREDICTED: APO protein 3, mitochondrial [Oryza sativa Japonica Group]
LOC_Os07g41080	down	hypothetical protein OsJ_25019 [Oryza sativa Japonica Group]
LOC_Os07g41180	down	PREDICTED: ras GTPase-activating protein-binding protein 2 [Oryza sativa Japonica Group]
LOC_Os07g41250	up	PREDICTED: protein NRT1/ PTR FAMILY 8.3 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g41320	down	hypothetical protein OsI_26786 [Oryza sativa Indica Group]
LOC_Os07g41370	down	PREDICTED: MADS-box transcription factor 18 [Oryza sativa Japonica Group]
LOC_Os07g41630	down	PREDICTED: uncharacterized protein LOC4343859 [Oryza sativa Japonica Group]
LOC_Os07g41730	up	PREDICTED: protein bem46 [Oryza sativa Japonica Group]

LOC_Os07g41800	up	PREDICTED: peroxisome biogenesis factor 10 [Oryza sativa Japonica Group]
LOC_Os07g42080	down	PREDICTED: glutamic acid-rich protein [Oryza sativa Japonica Group]
LOC_Os07g42354	down	PREDICTED: pentatricopeptide repeat-containing protein At1g62720 [Oryza sativa Japonica Group]
LOC_Os07g42395	up	PREDICTED: DNA-directed RNA polymerases II, IV and V subunit 9A isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g42430	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os07g42510	up	PREDICTED: ethylene-responsive transcription factor 1-like [Oryza sativa Japonica Group]
LOC_Os07g42590	down	PREDICTED: F-box only protein 13 [Oryza sativa Japonica Group]
LOC_Os07g42810	up	hypothetical protein OsI_26899 [Oryza sativa Indica Group]
LOC_Os07g42834	up	hypothetical protein OsJ_25158 [Oryza sativa Japonica Group]
LOC_Os07g42860	down	PREDICTED: cyclin-D2-2 [Oryza sativa Japonica Group]
LOC_Os07g42885	down	hypothetical protein OsJ_25161 [Oryza sativa Japonica Group]
LOC_Os07g42960	up	PREDICTED: phospho-2-dehydro-3-deoxyheptonate aldolase 2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os07g43330	up	PREDICTED: dnaJ-like protein MG002 homolog [Oryza sativa Japonica Group]
LOC_Os07g43530	down	PREDICTED: transcription factor bHLH47 [Oryza sativa Japonica Group]
LOC_Os07g43800	up	PREDICTED: probable calcium-binding protein CML45 [Oryza sativa Japonica Group]
LOC_Os07g44050	up	PREDICTED: uncharacterized protein LOC4344017 [Oryza sativa Japonica Group]
LOC_Os07g44060	down	PREDICTED: uncharacterized protein LOC4344018 [Oryza sativa Japonica Group]
LOC_Os07g44130	up	putative cytochrome P450 [Oryza sativa Japonica Group]
LOC_Os07g44160	down	PREDICTED: cytochrome P450 709B2 [Oryza sativa Japonica Group]
LOC_Os07g44230	down	PREDICTED: uncharacterized protein LOC4344032 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g44370	down	PREDICTED: dirigent protein 5 [Oryza sativa Japonica Group]
LOC_Os07g44640	down	PREDICTED: probable protein arginine N-methyltransferase 3 [Oryza sativa Japonica Group]
LOC_Os07g45000	up	PREDICTED: probable cytochrome P450 313a3 [Oryza sativa Japonica Group]
LOC_Os07g45120	down	PREDICTED: uncharacterized protein LOC4344097 [Oryza sativa Japonica Group]
LOC_Os07g45330	up	PREDICTED: uncharacterized protein LOC4344111 [Oryza sativa Japonica Group]
LOC_Os07g45570	up	PREDICTED: uncharacterized protein LOC4344126 [Oryza sativa Japonica Group]
LOC_Os07g46080	up	hypothetical protein OsJ_33983 [Oryza sativa Japonica Group]
LOC_Os07g46320	down	PREDICTED: uncharacterized protein LOC4344149 [Oryza sativa Japonica Group]
LOC_Os07g46340	down	PREDICTED: methyltransferase-like protein 13 [Oryza sativa Japonica Group]

LOC_Os07g46540	down	PREDICTED: condensin complex subunit 1 [Oryza sativa Japonica Group]
LOC_Os07g46600	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os07g46700	up	PREDICTED: uncharacterized protein LOC4344184 [Oryza sativa Japonica Group]
LOC_Os07g46780	down	PREDICTED: tyrosine-specific transport protein isoform X2 [Oryza sativa Japonica Group]
LOC_Os07g46940	down	PREDICTED: momilactone A synthase-like [Oryza sativa Japonica Group]
LOC_Os07g46950	up	PREDICTED: momilactone A synthase-like isoform X2 [Oryza sativa Japonica Group]
LOC_Os07g47130	down	homeobox 1-like protein [Oryza sativa Japonica Group]
LOC_Os07g47140	down	PREDICTED: zinc finger protein CONSTANS-LIKE 13 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g47150	up	PREDICTED: uncharacterized protein LOC4344221 [Oryza sativa Japonica Group]
LOC_Os07g47250	down	Os07g0668700 [Oryza sativa Japonica Group]
LOC_Os07g47470	up	PREDICTED: pentatricopeptide repeat-containing protein At2g32630 [Oryza sativa Japonica Group]
LOC_Os07g47510	down	PREDICTED: REF/SRPP-like protein At3g05500 [Oryza sativa Japonica Group]
LOC_Os07g47520	down	PREDICTED: uncharacterized protein LOC107278091 isoform X2 [Oryza sativa Japonica Group]
LOC_Os07g47550	down	Os07g0672700 [Oryza sativa Japonica Group]
LOC_Os07g47750	down	PREDICTED: phylloplanin [Oryza sativa Japonica Group]
LOC_Os07g48100	up	PREDICTED: CBL-interacting protein kinase 2 [Oryza sativa Japonica Group]
LOC_Os07g48420	down	PREDICTED: uncharacterized protein At5g39570 [Oryza sativa Japonica Group]
LOC_Os07g48430	up	Os07g0682800, partial [Oryza sativa Japonica Group]
LOC_Os07g48490	down	PREDICTED: uncharacterized protein LOC4344319 [Oryza sativa Japonica Group]
LOC_Os07g48596	down	PREDICTED: myb family transcription factor APL isoform X2 [Oryza sativa Japonica Group]
LOC_Os07g48610	down	PREDICTED: uncharacterized protein LOC4344329 [Oryza sativa Japonica Group]
LOC_Os07g48640	down	PREDICTED: short-chain dehydrogenase/reductase 2b isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g48680	up	PREDICTED: RING-H2 finger protein ATL45 [Oryza sativa Japonica Group]
LOC_Os07g48700	down	centromere protein-like [Oryza sativa Japonica Group]
LOC_Os07g48770	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os07g48840	up	PREDICTED: manganese-dependent ADP-ribose/CDP-alcohol diphosphatase [Oryza sativa Japonica Group]
LOC_Os07g48850	down	PREDICTED: pentatricopeptide repeat-containing protein At1g13040, mitochondrial [Oryza sativa Japonica Group]
LOC_Os07g48890	down	PREDICTED: nuclear poly(A) polymerase 3 [Oryza sativa Japonica Group]
LOC_Os07g48980	down	PREDICTED: nicotianamine synthase 3 [Oryza sativa Japonica Group]

LOC_Os07g49010	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os07g49020	down	PREDICTED: uncharacterized protein LOC4344364 [Oryza sativa Japonica Group]
LOC_Os07g49080	up	PREDICTED: COBRA-like protein 7 [Oryza sativa Japonica Group]
LOC_Os07g49114	up	unknown protein [Oryza sativa Japonica Group]
LOC_Os07g49300	up	PREDICTED: uncharacterized protein LOC4344388 isoform X1 [Oryza sativa Japonica Group]
LOC_Os07g49540	down	--
LOC_Os08g01140	down	PREDICTED: ascorbate-specific transmembrane electron transporter 1 [Oryza sativa Japonica Group]
LOC_Os08g01150	up	PREDICTED: protein O-glucosyltransferase 1 [Oryza sativa Japonica Group]
LOC_Os08g01330	down	PREDICTED: NAC domain-containing protein 105 [Oryza sativa Japonica Group]
LOC_Os08g01430	up	PREDICTED: F-box protein At5g39450 [Oryza sativa Japonica Group]
LOC_Os08g01480	down	putative P450 [Oryza sativa Japonica Group]
LOC_Os08g01620	up	PREDICTED: ribosome maturation protein SBDS [Oryza sativa Japonica Group]
LOC_Os08g01660	up	PREDICTED: protein mago nashi homolog isoform X1 [Oryza sativa Japonica Group]
LOC_Os08g01830	down	PREDICTED: serine/threonine-protein kinase-like protein CCR4 [Oryza sativa Japonica Group]
LOC_Os08g01950	up	PREDICTED: uncharacterized acetyltransferase At3g50280 [Oryza sativa Japonica Group]
LOC_Os08g02110	up	PREDICTED: peroxidase 47 [Oryza sativa Japonica Group]
LOC_Os08g02230	up	PREDICTED: probable L-gulonolactone oxidase 4 [Oryza sativa Japonica Group]
LOC_Os08g02490	up	PREDICTED: AT-hook motif nuclear-localized protein 1 [Oryza sativa Japonica Group]
LOC_Os08g02690	down	PREDICTED: uncharacterized protein LOC4344544 [Oryza sativa Japonica Group]
LOC_Os08g03310	down	PREDICTED: zinc finger CCCH domain-containing protein 54 isoform X1 [Oryza sativa Japonica Group]
LOC_Os08g03420	down	PREDICTED: kelch repeat-containing protein At3g27220 [Oryza sativa Japonica Group]
LOC_Os08g03570	up	PREDICTED: probable UDP-arabinose 4-epimerase 3 [Oryza sativa Japonica Group]
LOC_Os08g03870	down	PREDICTED: plant cysteine oxidase 3 isoform X1 [Oryza sativa Japonica Group]
LOC_Os08g04300	down	PREDICTED: uncharacterized protein LOC4344622 [Oryza sativa Japonica Group]
LOC_Os08g04370	up	hypothetical protein OsJ_25979 [Oryza sativa Japonica Group]
LOC_Os08g04420	up	PREDICTED: probable leucine-rich repeat receptor-like serine/threonine-protein kinase At5g15730 [Oryza sativa Japonica Group]
LOC_Os08g04560	up	PREDICTED: aromatic-L-amino-acid decarboxylase [Oryza sativa Japonica Group]
LOC_Os08g04790	down	PREDICTED: beta-glucuronosyltransferase GlcAT14B [Oryza sativa Japonica Group]
LOC_Os08g04810	down	PREDICTED: putative lipase YOR059C [Oryza sativa Japonica Group]

LOC_Os08g05470	down	PREDICTED: uncharacterized protein LOC4344661 isoform X4 [Oryza sativa Japonica Group]
LOC_Os08g05510	up	PREDICTED: uncharacterized protein LOC4344664 isoform X1 [Oryza sativa Japonica Group]
LOC_Os08g05780	up	PREDICTED: uncharacterized protein LOC4344680 [Oryza sativa Japonica Group]
LOC_Os08g05820	down	PREDICTED: monocopper oxidase-like protein SKU5 [Oryza sativa Japonica Group]
LOC_Os08g05870	down	hypothetical protein OsJ_26076 [Oryza sativa Japonica Group]
LOC_Os08g05890	up	PREDICTED: vesicle-associated protein 1-3 [Oryza sativa Japonica Group]
LOC_Os08g05940	up	hypothetical protein OsJ_26081 [Oryza sativa Japonica Group]
LOC_Os08g05970	down	PREDICTED: uncharacterized protein LOC9266120 [Oryza sativa Japonica Group]
LOC_Os08g05980	down	PREDICTED: uncharacterized protein LOC4344693 [Oryza sativa Japonica Group]
LOC_Os08g06020	up	PREDICTED: vesicle-associated protein 1-2 [Oryza sativa Japonica Group]
LOC_Os08g06100	down	hypothetical protein OsJ_26105 [Oryza sativa Japonica Group]
LOC_Os08g06230	down	PREDICTED: nucleolar GTP-binding protein 1 [Oryza sativa Japonica Group]
LOC_Os08g06420	down	PREDICTED: alpha/beta hydrolase domain-containing protein 17C [Oryza sativa Japonica Group]
LOC_Os08g06490	down	PREDICTED: pentatricopeptide repeat-containing protein At4g22760 [Oryza sativa Japonica Group]
LOC_Os08g06520	down	PREDICTED: uncharacterized protein LOC4344732 [Oryza sativa Japonica Group]
LOC_Os08g06885	down	Os08g0165901, partial [Oryza sativa Japonica Group]
LOC_Os08g06940	down	Os08g0166500 [Oryza sativa Japonica Group]
LOC_Os08g07060	down	PREDICTED: protein CHLORORESPIRATORY REDUCTION 6, chloroplastic [Oryza sativa Japonica Group]
LOC_Os08g07380	up	Os08g0170700 [Oryza sativa Japonica Group]
LOC_Os08g07490	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os08g07540	down	PREDICTED: uncharacterized protein LOC4344777 isoform X2 [Oryza sativa Japonica Group]
LOC_Os08g07774	up	putative CC-NBS-LRR resistance protein MLA13 [Oryza sativa Japonica Group]
LOC_Os08g07890	up	hypothetical protein OsJ_26230 [Oryza sativa Japonica Group]
LOC_Os08g08500	up	putative cinnamoyl CoA reductase [Oryza sativa Japonica Group]
LOC_Os08g08960	down	PREDICTED: germin-like protein 8-2 [Oryza sativa Japonica Group]
LOC_Os08g09020	up	PREDICTED: germin-like protein 8-8 [Oryza sativa Japonica Group]
LOC_Os08g09190	up	PREDICTED: uncharacterized protein LOC4344852 [Oryza sativa Japonica Group]
LOC_Os08g09830	up	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os08g10250	up	Receptor-like serine/threonine kinase(RFK1)-like protein [Oryza sativa Japonica Group]

LOC_Os08g10260	up	hypothetical protein OsJ_26389 [Oryza sativa Japonica Group]
LOC_Os08g10310	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At1g56140 isoform X1 [Oryza sativa Japonica Group]
LOC_Os08g12840	down	hypothetical protein OsI_28286 [Oryza sativa Indica Group]
LOC_Os08g12850	up	PREDICTED: reticulon-like protein B23 [Oryza sativa Japonica Group]
LOC_Os08g13270	up	PREDICTED: uncharacterized protein LOC107278602 [Oryza sativa Japonica Group]
LOC_Os08g13330	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os08g13840	down	PREDICTED: probable WRKY transcription factor 11 [Oryza sativa Japonica Group]
LOC_Os08g14200	up	PREDICTED: xyloglucan endotransglucosylase/hydrolase protein 24 [Oryza sativa Japonica Group]
LOC_Os08g14610	up	putative SNF2 domain/helicase domain-containing protein [Oryza sativa Japonica Group]
LOC_Os08g14640	down	PREDICTED: uncharacterized protein LOC9268458 [Oryza sativa Japonica Group]
LOC_Os08g15030	down	PREDICTED: aspartate carbamoyltransferase, chloroplastic [Oryza sativa Japonica Group]
LOC_Os08g15246	up	ribosomal protein S7 (chloroplast) [Zea mays]
LOC_Os08g15248	up	ndhB gene product [Rhynchoyza subulata]
LOC_Os08g15322	down	photosystem II protein V (plastid) [Oryza sativa Japonica Group]
LOC_Os08g15500	down	PREDICTED: glutamyl-tRNA reductase-binding protein, chloroplastic [Oryza sativa Japonica Group]
LOC_Os08g16050	up	PREDICTED: tetraspanin-7 [Oryza sativa Japonica Group]
LOC_Os08g16100	down	Transposase family protein [Oryza sativa Japonica Group]
LOC_Os08g16120	down	PREDICTED: disease resistance protein RPM1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os08g16570	down	PREDICTED: uncharacterized protein LOC4345120 [Oryza sativa Japonica Group]
LOC_Os08g17080	down	Os08g0272200 [Oryza sativa Japonica Group]
LOC_Os08g17090	up	HGWP repeat containing protein-like [Oryza sativa Japonica Group]
LOC_Os08g17370	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os08g19210	up	PREDICTED: translation initiation factor IF-2 [Oryza sativa Japonica Group]
LOC_Os08g19420	down	PREDICTED: 5-pentadecatrienyl resorcinol O-methyltransferase [Oryza sativa Japonica Group]
LOC_Os08g20130	down	PREDICTED: cytosolic sulfotransferase 5 [Oryza sativa Japonica Group]
LOC_Os08g20544	down	PREDICTED: synaptotagmin-5 [Oryza sativa Japonica Group]
LOC_Os08g21330	down	putative formamidopyrimidine-DNA glycosylase [Oryza sativa Japonica Group]
LOC_Os08g23120	up	PREDICTED: heterogeneous nuclear ribonucleoprotein 1 [Oryza sativa Japonica Group]
LOC_Os08g23280	down	PREDICTED: uncharacterized protein LOC4345266 [Oryza sativa Japonica Group]

LOC_Os08g23440	up	PREDICTED: cation-chloride cotransporter 1 [Oryza sativa Japonica Group]
LOC_Os08g23730	down	PREDICTED: GMP synthase [glutamine-hydrolyzing] [Oryza sativa Japonica Group]
LOC_Os08g23810	down	PREDICTED: enoyl-[acyl-carrier-protein] reductase [NADH] 1, chloroplastic [Oryza sativa Japonica Group]
LOC_Os08g24300	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os08g25050	down	PREDICTED: L10-interacting MYB domain-containing protein [Oryza sativa Japonica Group]
LOC_Os08g25430	up	PREDICTED: putative cysteine-rich receptor-like protein kinase 35 isoform X1 [Oryza sativa Japonica Group]
LOC_Os08g26720	up	hypothetical protein LOC_Os12g17650 [Oryza sativa Japonica Group]
LOC_Os08g26840	up	PREDICTED: uncharacterized protein LOC4345360 [Oryza sativa Japonica Group]
LOC_Os08g27010	down	PREDICTED: thylakoid membrane protein slr0575 [Oryza sativa Japonica Group]
LOC_Os08g28080	down	hypothetical protein OsJ_27083 [Oryza sativa Japonica Group]
LOC_Os08g28350	up	Putative retrotransposable elements TNP2 [Oryza sativa Japonica Group]
LOC_Os08g28670	down	PREDICTED: major allergen Mal d 1 [Oryza sativa Japonica Group]
LOC_Os08g28700	down	PREDICTED: dnaJ homolog subfamily B member 1 [Oryza sativa Japonica Group]
LOC_Os08g28740	up	PREDICTED: uncharacterized protein LOC4345416 [Oryza sativa Japonica Group]
LOC_Os08g28860	up	PREDICTED: nudix hydrolase 15, mitochondrial [Oryza sativa Japonica Group]
LOC_Os08g28870	down	PREDICTED: receptor-like protein kinase HSL1 [Oryza sativa Japonica Group]
LOC_Os08g29520	up	PREDICTED: probable transmembrane ascorbate ferrireductase 2 [Oryza sativa Japonica Group]
LOC_Os08g29530	down	PREDICTED: double-stranded RNA-binding protein 4 [Oryza sativa Japonica Group]
LOC_Os08g29770	up	PREDICTED: endoglucanase 20 [Oryza sativa Japonica Group]
LOC_Os08g29854	down	PREDICTED: putative disease resistance RPP13-like protein 3 isoform X1 [Oryza sativa Japonica Group]
LOC_Os08g29980	up	Os08g0389500 [Oryza sativa Japonica Group]
LOC_Os08g30014	up	Os08g0389550 [Oryza sativa Japonica Group]
LOC_Os08g30020	up	PREDICTED: uncharacterized protein LOC4345471 [Oryza sativa Japonica Group]
LOC_Os08g30060	up	PREDICTED: proton pump-interactor 1 [Oryza sativa Japonica Group]
LOC_Os08g30480	up	PREDICTED: AP-4 complex subunit sigma [Oryza brachyantha]
LOC_Os08g30719	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os08g30780	up	Os08g0398350 [Oryza sativa Japonica Group]
LOC_Os08g31250	up	PREDICTED: uncharacterized protein LOC4345525 [Oryza sativa Japonica Group]
LOC_Os08g31410	up	PREDICTED: sulfate transporter 1.2 isoform X1 [Oryza sativa Japonica Group]

LOC_Os08g31569	down	PREDICTED: uncharacterized protein LOC4345540 [Oryza sativa Japonica Group]
LOC_Os08g31690	down	PREDICTED: uncharacterized protein LOC9269859 [Oryza sativa Japonica Group]
LOC_Os08g31750	down	PREDICTED: uncharacterized methyltransferase At1g78140, chloroplastic [Oryza sativa Japonica Group]
LOC_Os08g31910	down	PREDICTED: uncharacterized protein LOC4345565 [Oryza sativa Japonica Group]
LOC_Os08g33154	down	Os08g0428300 [Oryza sativa Japonica Group]
LOC_Os08g33160	up	PREDICTED: protein TIFY 6a isoform X1 [Oryza sativa Japonica Group]
LOC_Os08g33350	up	PREDICTED: uncharacterized protein LOC4345633 [Oryza sativa Japonica Group]
LOC_Os08g33390	down	PREDICTED: ultraviolet-B receptor UVR8 [Oryza sativa Japonica Group]
LOC_Os08g33400	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os08g33750	down	PREDICTED: myb family transcription factor APL [Oryza sativa Japonica Group]
LOC_Os08g33810	up	PREDICTED: uncharacterized protein LOC4345662 isoform X1 [Oryza sativa Japonica Group]
LOC_Os08g34240	down	PREDICTED: CBL-interacting protein kinase 6 [Oryza sativa Japonica Group]
LOC_Os08g34300	up	retrotransposon protein, putative, unclassified [Oryza sativa Japonica Group]
LOC_Os08g34340	down	PREDICTED: uncharacterized protein LOC4345696 isoform X1 [Oryza sativa Japonica Group]
LOC_Os08g34850	up	Os08g0448900 [Oryza sativa Japonica Group]
LOC_Os08g34984	down	hypothetical protein OsI_29437 [Oryza sativa Indica Group]
LOC_Os08g35160	up	PREDICTED: chaperone protein DnaJ-like isoform X3 [Oryza sativa Japonica Group]
LOC_Os08g35750	down	PREDICTED: germin-like protein 8-13 [Oryza sativa Japonica Group]
LOC_Os08g35910	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os08g36040	down	PREDICTED: uncharacterized protein LOC4345775 [Oryza sativa Japonica Group]
LOC_Os08g36310	up	PREDICTED: cytochrome P450 76M5-like [Oryza sativa Japonica Group]
LOC_Os08g36440	down	PREDICTED: protein HVA22 [Oryza sativa Japonica Group]
LOC_Os08g36500	up	PREDICTED: nitrate reductase [NADH] 1-like [Oryza sativa Japonica Group]
LOC_Os08g37250	down	PREDICTED: patatin-like protein 2 [Oryza sativa Japonica Group]
LOC_Os08g37280	up	PREDICTED: uncharacterized protein LOC4345835 isoform X1 [Oryza sativa Japonica Group]
LOC_Os08g37400	down	PREDICTED: zinc-finger homeodomain protein 2 [Oryza sativa Japonica Group]
LOC_Os08g37605	down	PREDICTED: probable bifunctional riboflavin biosynthesis protein RIBA 1, chloroplastic [Oryza sativa Japonica Group]
LOC_Os08g37820	down	Os08g0484800 [Oryza sativa Japonica Group]
LOC_Os08g37890	down	putative type 1a plasma membrane receptor [Oryza sativa]

LOC_Os08g37930	up	putative blight-associated protein p12 precursor [Oryza sativa Japonica Group]
LOC_Os08g37940	down	PREDICTED: haloacid dehalogenase-like hydrolase domain-containing protein At4g39970 [Oryza sativa Japonica Group]
LOC_Os08g38110	up	putative flavonoid glucosyl-transferase [Oryza sativa Japonica Group]
LOC_Os08g38160	up	PREDICTED: UDP-glycosyltransferase 89B1-like [Oryza sativa Japonica Group]
LOC_Os08g38220	down	PREDICTED: dof zinc finger protein MNB1A [Oryza sativa Japonica Group]
LOC_Os08g38410	up	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os08g38440	up	Os08g0492400, partial [Oryza sativa Japonica Group]
LOC_Os08g38700	up	PREDICTED: BTB/POZ domain-containing protein At1g55760 [Oryza sativa Japonica Group]
LOC_Os08g38910	down	PREDICTED: tricin synthase 2 [Oryza sativa Japonica Group]
LOC_Os08g39050	up	PREDICTED: pentatricopeptide repeat-containing protein At1g80150, mitochondrial [Oryza sativa Japonica Group]
LOC_Os08g39080	up	PREDICTED: peroxisome biogenesis protein 5 isoform X2 [Oryza sativa Japonica Group]
LOC_Os08g39190	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os08g39630	up	PREDICTED: transcription factor bHLH130 [Oryza sativa Japonica Group]
LOC_Os08g40090	down	PREDICTED: plant intracellular Ras-group-related LRR protein 4 [Oryza sativa Japonica Group]
LOC_Os08g40150	up	PREDICTED: AT-hook motif nuclear-localized protein 10 [Oryza sativa Japonica Group]
LOC_Os08g40170	down	PREDICTED: cyclin-dependent kinase B2-1 [Oryza sativa Japonica Group]
LOC_Os08g40530	up	PREDICTED: calcium-transporting ATPase 8, plasma membrane-type [Oryza sativa Japonica Group]
LOC_Os08g40560	up	PREDICTED: serrate RNA effector molecule [Oryza sativa Japonica Group]
LOC_Os08g40620	up	PREDICTED: TBC1 domain family member 5 homolog A [Oryza sativa Japonica Group]
LOC_Os08g40700	up	myosin heavy chain-like protein [Oryza sativa Japonica Group]
LOC_Os08g40919	down	PREDICTED: uncharacterized protein LOC107278752 [Oryza sativa Japonica Group]
LOC_Os08g41100	down	PREDICTED: chitinase-like protein 1 [Oryza sativa Japonica Group]
LOC_Os08g41280	down	PREDICTED: cytochrome b561 and DOMON domain-containing protein At4g12980 [Oryza sativa Japonica Group]
LOC_Os08g41380	down	hypothetical protein OsI_29963 [Oryza sativa Indica Group]
LOC_Os08g41800	down	PREDICTED: uncharacterized protein At4g15970 [Oryza sativa Japonica Group]
LOC_Os08g41880	down	PREDICTED: nucleotide pyrophosphatase/phosphodiesterase [Oryza sativa Japonica Group]
LOC_Os08g41910	down	hypothetical protein OsI_30017 [Oryza sativa Indica Group]
LOC_Os08g41990	down	PREDICTED: glutamate-1-semialdehyde 2,1-aminomutase, chloroplastic [Oryza sativa Japonica Group]
LOC_Os08g42400	up	PREDICTED: NAC domain-containing protein 18 [Oryza sativa Japonica Group]

LOC_Os08g42420	down	Os08g0536100, partial [Oryza sativa Japonica Group]
LOC_Os08g42450	up	hypothetical protein PAHAL_F00579, partial [Panicum hallii]
LOC_Os08g42570	up	PREDICTED: UPF0481 protein At3g47200 [Oryza sativa Japonica Group]
LOC_Os08g42840	up	putative HcrVf3 protein [Oryza sativa Japonica Group]
LOC_Os08g43040	down	PREDICTED: shikimate O-hydroxycinnamoyltransferase isoform X2 [Oryza sativa Japonica Group]
LOC_Os08g43110	down	putative copia-like retrotransposon protein [Oryza sativa Japonica Group]
LOC_Os08g43130	down	PREDICTED: probable protein NAP1 [Oryza sativa Japonica Group]
LOC_Os08g43300	down	PREDICTED: plant UBX domain-containing protein 8 [Oryza sativa Japonica Group]
LOC_Os08g43490	down	PREDICTED: chaperone protein dnaJ 11, chloroplastic [Oryza sativa Japonica Group]
LOC_Os08g43654	down	PREDICTED: protein DETOXIFICATION 33 [Oryza sativa Japonica Group]
LOC_Os08g43815	down	Os08g0552200 [Oryza sativa Japonica Group]
LOC_Os08g44020	down	hypothetical protein OsJ_28233 [Oryza sativa Japonica Group]
LOC_Os08g44200	up	PREDICTED: uncharacterized protein LOC4346283 [Oryza sativa Japonica Group]
LOC_Os08g44240	up	putative peroxisome biogenesis protein PEX1 [Oryza sativa Japonica Group]
LOC_Os08g44420	down	PREDICTED: 125 kDa kinesin-related protein [Oryza sativa Japonica Group]
LOC_Os08g45070	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os08g45080	up	PREDICTED: mediator of RNA polymerase II transcription subunit 15a [Oryza sativa Japonica Group]
LOC_Os08g45140	down	hypothetical protein OsI_30316 [Oryza sativa Indica Group]
LOC_Os08g45210	up	PREDICTED: peroxisomal membrane protein PMP22 [Oryza sativa Japonica Group]
LOC_Os09g01000	down	hypothetical protein [Zea mays]
LOC_Os09g01630	up	PREDICTED: pre-mRNA-splicing factor 38 [Oryza sativa Japonica Group]
LOC_Os09g01650	down	PREDICTED: peptidyl-prolyl cis-trans isomerase FKBP53 [Oryza sativa Japonica Group]
LOC_Os09g02060	down	hypothetical protein OsJ_28358 [Oryza sativa Japonica Group]
LOC_Os09g02300	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os09g02729	down	PREDICTED: PI-PLC X domain-containing protein At5g67130 [Oryza sativa Japonica Group]
LOC_Os09g03620	up	PREDICTED: calmodulin-binding receptor-like cytoplasmic kinase 3 [Oryza sativa Japonica Group]
LOC_Os09g04220	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os09g04384	up	--
LOC_Os09g04810	up	PREDICTED: WPP domain-associated protein [Oryza sativa Japonica Group]

LOC_Os09g04960	up	retrotransposon protein, putative, unclassified [Oryza sativa Japonica Group]
LOC_Os09g05020	up	PREDICTED: probable tyrosine-protein phosphatase At1g05000 isoform X2 [Oryza sativa Japonica Group]
LOC_Os09g06740	down	PREDICTED: E3 ubiquitin-protein ligase RNF181 [Oryza sativa Japonica Group]
LOC_Os09g07320	down	hypothetical protein OsJ_28508 [Oryza sativa Japonica Group]
LOC_Os09g07330	down	transposon protein, putative, CACTA, En/Spm sub-class [Oryza sativa Japonica Group]
LOC_Os09g07820	down	PREDICTED: exosome complex component RRP41 homolog [Oryza sativa Japonica Group]
LOC_Os09g07920	down	PREDICTED: RPM1-interacting protein 4 [Oryza sativa Japonica Group]
LOC_Os09g08910	down	ATP synthase F0 subunit 1 [Oryza sativa Japonica Group]
LOC_Os09g09270	down	hypothetical protein OsI_30616 [Oryza sativa Indica Group]
LOC_Os09g09330	down	unknown protein [Oryza sativa Japonica Group]
LOC_Os09g09540	up	PREDICTED: uncharacterized protein LOC4346569 [Oryza sativa Japonica Group]
LOC_Os09g09550	up	PREDICTED: uncharacterized protein LOC107275444 [Oryza sativa Japonica Group]
LOC_Os09g09560	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os09g09930	down	PREDICTED: POU domain, class 4, transcription factor 1 [Oryza sativa Japonica Group]
LOC_Os09g10054	up	PREDICTED: probable disease resistance protein At1g61300 isoform X1 [Oryza sativa Japonica Group]
LOC_Os09g10940	up	PREDICTED: ras-related protein RGP1 [Oryza sativa Japonica Group]
LOC_Os09g11170	down	PREDICTED: probable E3 ubiquitin-protein ligase ARI9 [Oryza sativa Japonica Group]
LOC_Os09g11460	up	Os09g0286600, partial [Oryza sativa Japonica Group]
LOC_Os09g11480	up	PREDICTED: ethylene-responsive transcription factor 1-like [Oryza sativa Japonica Group]
LOC_Os09g12290	down	PREDICTED: bifunctional aspartokinase/homoserine dehydrogenase 2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os09g14410	up	PREDICTED: disease resistance protein RGA2 [Oryza sativa Japonica Group]
LOC_Os09g14450	up	hypothetical protein OsJ_28821 [Oryza sativa Japonica Group]
LOC_Os09g14490	up	Os09g0314100 [Oryza sativa Japonica Group]
LOC_Os09g14880	up	PREDICTED: glutathione S-transferase T3 [Oryza sativa Japonica Group]
LOC_Os09g15644	down	Os09g0325525 [Oryza sativa Japonica Group]
LOC_Os09g17329	up	PREDICTED: protein ACCELERATED CELL DEATH 6 isoform X1 [Oryza sativa Japonica Group]
LOC_Os09g17730	up	PREDICTED: proton pump-interactor 1 [Oryza sativa Japonica Group]
LOC_Os09g17750	up	PREDICTED: retinol dehydrogenase 13 [Oryza sativa Japonica Group]
LOC_Os09g17810	up	PREDICTED: uncharacterized protein LOC4346808 [Oryza sativa Japonica Group]

LOC_Os09g17840	up	hypothetical protein OsJ_09896 [Oryza sativa Japonica Group]
LOC_Os09g18230	down	Os09g0351700 [Oryza sativa Japonica Group]
LOC_Os09g19160	up	hypothetical protein OsJ_29040 [Oryza sativa Japonica Group]
LOC_Os09g19229	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase Atlg51810 [Oryza sativa Japonica Group]
LOC_Os09g19280	up	hypothetical protein OsI_31034 [Oryza sativa Indica Group]
LOC_Os09g19290	up	putative GAG-POL precursor [Oryza sativa Japonica Group]
LOC_Os09g19300	up	putative gypsy type transposon [Oryza sativa Japonica Group]
LOC_Os09g19360	up	hypothetical protein OsJ_29050 [Oryza sativa Japonica Group]
LOC_Os09g19750	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os09g20240	up	PREDICTED: homeobox protein Hox-D9 [Oryza sativa Japonica Group]
LOC_Os09g20510	up	Os09g0371300 [Oryza sativa Japonica Group]
LOC_Os09g20640	up	PREDICTED: probable serine/threonine-protein kinase DDB_G0291350 isoform X1 [Oryza sativa Japonica Group]
LOC_Os09g21210	down	PREDICTED: probable endo-1,3(4)-beta-glucanase ARB_01444 [Oryza sativa Japonica Group]
LOC_Os09g21360	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os09g21370	down	PREDICTED: ervatamin-C [Oryza sativa Japonica Group]
LOC_Os09g23360	down	PREDICTED: protein trichome birefringence-like 14 [Oryza sativa Japonica Group]
LOC_Os09g23530	up	PREDICTED: probable cinnamyl alcohol dehydrogenase 8A [Oryza sativa Japonica Group]
LOC_Os09g23560	up	PREDICTED: probable cinnamyl alcohol dehydrogenase 8D [Oryza sativa Japonica Group]
LOC_Os09g23595	up	Os09g0400600 [Oryza sativa Japonica Group]
LOC_Os09g23620	up	PREDICTED: protein ODORANT1 [Oryza sativa Japonica Group]
LOC_Os09g23660	down	PREDICTED: protein TIFY 6b [Oryza sativa Japonica Group]
LOC_Os09g23720	down	PREDICTED: protein XRI1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os09g24402	down	ribosomal protein L23 (plastid) [Oryza sativa Japonica Group]
LOC_Os09g24406	down	hypothetical protein OrsajCp070 (plastid) [Oryza sativa Japonica Group]
LOC_Os09g24408	down	hypothetical protein OrniCp118 (chloroplast) [Oryza nivara]
LOC_Os09g24412	down	ribosomal protein S19 (plastid) [Monachather paradoxus]
LOC_Os09g24900	down	PREDICTED: probable methyltransferase PMT2 [Oryza sativa Japonica Group]
LOC_Os09g25060	up	PREDICTED: probable WRKY transcription factor 40 [Oryza sativa Japonica Group]
LOC_Os09g25200	up	hypothetical protein OsI_31390 [Oryza sativa Indica Group]

LOC_Os09g25580	down	PREDICTED: probable monogalactosyldiacylglycerol synthase 1, chloroplastic [Oryza sativa Japonica Group]
LOC_Os09g25650	down	PREDICTED: protein GAMETE EXPRESSED 2-like [Oryza sativa Japonica Group]
LOC_Os09g25980	down	putative Avr9/Cf-9 rapidly elicited protein 141 [Oryza sativa Japonica Group]
LOC_Os09g26050	down	PREDICTED: uncharacterized protein LOC107278928 [Oryza sativa Japonica Group]
LOC_Os09g26180	up	PREDICTED: transcription initiation factor TFIID subunit 10 [Oryza sativa Japonica Group]
LOC_Os09g26460	up	PREDICTED: probable E3 ubiquitin-protein ligase RNF217 isoform X2 [Oryza sativa Japonica Group]
LOC_Os09g26900	up	PREDICTED: copper transporter 5.1 [Oryza sativa Japonica Group]
LOC_Os09g27210	down	PREDICTED: phospholipid:diacylglycerol acyltransferase 1 [Oryza sativa Japonica Group]
LOC_Os09g27830	up	PREDICTED: protein disulfide isomerase-like 2-3 [Oryza sativa Japonica Group]
LOC_Os09g27960	down	PREDICTED: transmembrane protein 50 homolog [Oryza sativa Japonica Group]
LOC_Os09g28100	up	PREDICTED: RHOMBOID-like protein 10, chloroplastic [Oryza sativa Japonica Group]
LOC_Os09g28440	up	PREDICTED: ethylene-responsive transcription factor ERF109 [Oryza sativa Japonica Group]
LOC_Os09g28620	down	PREDICTED: 2-hydroxyisoflavanone dehydratase [Oryza sativa Japonica Group]
LOC_Os09g28770	up	PREDICTED: patatin-like protein 2 isoform X1 [Oryza sativa Japonica Group]
LOC_Os09g29404	down	Os09g0469400 [Oryza sativa Japonica Group]
LOC_Os09g29460	up	hypothetical protein OsJ_29706 [Oryza sativa Japonica Group]
LOC_Os09g29490	up	PREDICTED: peroxidase 17 [Oryza sativa Japonica Group]
LOC_Os09g29560	up	hypothetical protein OsJ_29715 [Oryza sativa Japonica Group]
LOC_Os09g29670	up	PREDICTED: ABC transporter G family member 11 [Oryza sativa Japonica Group]
LOC_Os09g29710	down	PREDICTED: EG45-like domain containing protein [Oryza sativa Japonica Group]
LOC_Os09g29830	down	hypothetical protein OsJ_29731 [Oryza sativa Japonica Group]
LOC_Os09g29840	down	PREDICTED: heat shock protein 90-5, chloroplastic [Oryza sativa Japonica Group]
LOC_Os09g30340	down	Os09g0481200, partial [Oryza sativa Japonica Group]
LOC_Os09g30454	up	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os09g30466	down	PREDICTED: ribonuclease Z, chloroplastic [Oryza sativa Japonica Group]
LOC_Os09g30474	up	PREDICTED: putative BPI/LBP family protein At1g04970 isoform X1 [Oryza sativa Japonica Group]
LOC_Os09g30490	down	PREDICTED: uncharacterized protein LOC9271885 [Oryza sativa Japonica Group]
LOC_Os09g30980	down	PREDICTED: UDP-glycosyltransferase 88B1 [Oryza sativa Japonica Group]
LOC_Os09g31120	down	PREDICTED: pirin-like protein [Oryza sativa Japonica Group]

LOC_Os09g31410	down	RecName: Full=Beta-glucosidase 29; Short=Os9bglu29; Flags: Precursor
LOC_Os09g31478	up	PREDICTED: uncharacterized protein LOC9272362 [Oryza sativa Japonica Group]
LOC_Os09g31486	up	PREDICTED: heat shock 70 kDa protein, mitochondrial [Oryza sativa Japonica Group]
LOC_Os09g32100	up	PREDICTED: uncharacterized protein LOC4347453 [Oryza sativa Japonica Group]
LOC_Os09g32169	down	Os09g0496100, partial [Oryza sativa Japonica Group]
LOC_Os09g32290	up	PREDICTED: probable sarcosine oxidase [Oryza sativa Japonica Group]
LOC_Os09g32380	up	PREDICTED: uncharacterized protein LOC4347477 [Oryza sativa Japonica Group]
LOC_Os09g32500	down	PREDICTED: 60S ribosomal protein L32-1 [Oryza sativa Japonica Group]
LOC_Os09g32670	down	hypothetical protein OsI_31939 [Oryza sativa Indica Group]
LOC_Os09g33520	down	PREDICTED: uncharacterized protein LOC4347533 [Oryza sativa Japonica Group]
LOC_Os09g33620	down	hypothetical protein OsI_32000 [Oryza sativa Indica Group]
LOC_Os09g33830	down	hypothetical protein OsI_32704 [Oryza sativa Indica Group]
LOC_Os09g33850	down	PREDICTED: protein FLOWERING LOCUS T [Oryza sativa Japonica Group]
LOC_Os09g33992	up	Os09g0515300 [Oryza sativa Japonica Group]
LOC_Os09g34180	down	PREDICTED: formin-like protein 15 [Oryza sativa Japonica Group]
LOC_Os09g34214	up	PREDICTED: UDP-glycosyltransferase 74F2 [Oryza sativa Japonica Group]
LOC_Os09g35980	down	PREDICTED: uncharacterized protein LOC4347655 isoform X1 [Oryza sativa Japonica Group]
LOC_Os09g35990	down	hypothetical protein OsI_32127 [Oryza sativa Indica Group]
LOC_Os09g36860	down	PREDICTED: acyl carrier protein 2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os09g37540	up	PREDICTED: probable cytokinin riboside 5'-monophosphate phosphoribohydrolase LOGL9 [Oryza sativa Japonica Group]
LOC_Os09g38030	down	PREDICTED: UTP--glucose-1-phosphate uridylyltransferase [Oryza sativa Japonica Group]
LOC_Os09g38070	up	PREDICTED: uncharacterized protein LOC4347803 [Oryza sativa Japonica Group]
LOC_Os09g38340	up	PREDICTED: protein indeterminate-domain 5, chloroplastic [Oryza sativa Japonica Group]
LOC_Os09g38350	up	PREDICTED: butyrate--CoA ligase AAE11, peroxisomal [Oryza sativa Japonica Group]
LOC_Os09g38370	up	PREDICTED: signal peptidase complex subunit 3B [Oryza sativa Japonica Group]
LOC_Os09g38420	down	hypothetical protein OsI_32351 [Oryza sativa Indica Group]
LOC_Os09g38570	up	PREDICTED: trihelix transcription factor ASIL1 [Oryza sativa Japonica Group]
LOC_Os09g38830	up	putative wall-associated kinase 4 [Oryza sativa Japonica Group]
LOC_Os09g38910	up	PREDICTED: wall-associated receptor kinase 5 [Oryza sativa Japonica Group]

LOC_Os09g39220	down	PREDICTED: delta(14)-sterol reductase [Oryza sativa Japonica Group]
LOC_Os09g39290	up	putative polyprotein [Oryza sativa Japonica Group]
LOC_Os09g39594	up	PREDICTED: uncharacterized protein LOC9271620 isoform X1 [Oryza sativa Japonica Group]
LOC_Os09g39790	down	PREDICTED: uncharacterized protein LOC4347921 [Oryza sativa Japonica Group]
LOC_Os09g39970	down	hypothetical protein OsJ_30444 [Oryza sativa Japonica Group]
LOC_Os09g39980	up	PREDICTED: uncharacterized protein LOC4347931 [Oryza sativa Japonica Group]
LOC_Os10g01080	up	PREDICTED: probable pyridoxal 5'-phosphate synthase subunit PDX1.2 [Oryza sativa Japonica Group]
LOC_Os10g01100	up	PREDICTED: G-type lectin S-receptor-like serine/threonine-protein kinase At1g34300 [Oryza sativa Japonica Group]
LOC_Os10g01290	up	Os10g0102400, partial [Oryza sativa Japonica Group]
LOC_Os10g01820	up	expressed protein [Oryza sativa Japonica Group]
LOC_Os10g02300	up	PREDICTED: cell number regulator 10 [Oryza sativa Japonica Group]
LOC_Os10g02930	up	Helicase SEN1, putative, expressed [Oryza sativa Japonica Group]
LOC_Os10g03570	up	Putative MLA6 protein [Oryza sativa Japonica Group]
LOC_Os10g03850	down	PREDICTED: putative F-box/LRR-repeat protein At4g13960 isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g04130	up	PREDICTED: uncharacterized protein LOC4348040 isoform X2 [Oryza sativa Japonica Group]
LOC_Os10g04290	down	Putative retrotransposable elements TNP2 [Oryza sativa Japonica Group]
LOC_Os10g04600	up	PREDICTED: uncharacterized protein LOC4348058 [Oryza sativa Japonica Group]
LOC_Os10g04630	down	Hypothetical protein [Oryza sativa]
LOC_Os10g05240	up	PREDICTED: uncharacterized protein LOC4348089 [Oryza sativa Japonica Group]
LOC_Os10g05490	down	PREDICTED: cytochrome P450 76C2 [Oryza sativa Japonica Group]
LOC_Os10g05520	down	PREDICTED: uncharacterized protein LOC4348096 [Oryza sativa Japonica Group]
LOC_Os10g06510	down	PREDICTED: putative cyclin-dependent kinase F-2 [Oryza sativa Japonica Group]
LOC_Os10g07010	down	Putative senescence-associated protein 15 [Oryza sativa]
LOC_Os10g07080	down	Os10g0158700, partial [Oryza sativa Japonica Group]
LOC_Os10g07200	down	PREDICTED: fibrous sheath CABYR-binding protein [Oryza sativa Japonica Group]
LOC_Os10g07470	down	Hypothetical protein [Oryza sativa Japonica Group]
LOC_Os10g08879	down	PREDICTED: chloride conductance regulatory protein ICln [Oryza sativa Japonica Group]
LOC_Os10g09930	down	Hypothetical protein [Oryza sativa Japonica Group]
LOC_Os10g09990	up	PREDICTED: UDP-glycosyltransferase 73C1 [Oryza sativa Japonica Group]

LOC_Os10g10080	down	PREDICTED: probable glucuronosyltransferase GUT1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g10110	down	Hypothetical protein [Oryza sativa Japonica Group]
LOC_Os10g10175	down	Os10g0181333, partial [Oryza sativa Japonica Group]
LOC_Os10g10580	down	Putative dynamin-like protein [Oryza sativa]
LOC_Os10g10870	down	protein kinase family protein, putative, expressed [Oryza sativa Japonica Group]
LOC_Os10g11140	down	PREDICTED: phosphoglucomutase, chloroplastic [Oryza sativa Japonica Group]
LOC_Os10g11270	down	PREDICTED: cytosolic sulfotransferase 5 [Oryza sativa Japonica Group]
LOC_Os10g11889	down	Os10g0195250, partial [Oryza sativa Japonica Group]
LOC_Os10g11980	down	PREDICTED: benzyl alcohol O-benzoyltransferase [Oryza sativa Japonica Group]
LOC_Os10g12480	down	PREDICTED: uncharacterized protein LOC9270753 [Oryza sativa Japonica Group]
LOC_Os10g12620	down	PREDICTED: uncharacterized protein LOC4348258 isoform X2 [Oryza sativa Japonica Group]
LOC_Os10g13830	down	Os10g0205500, partial [Oryza sativa Japonica Group]
LOC_Os10g14194	down	PREDICTED: uncharacterized protein LOC4348279 isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g14920	down	PREDICTED: WAT1-related protein At4g08290 isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g17990	up	PREDICTED: phosphatidate cytidyltransferase 1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g18260	up	Serine/threonine-protein kinase receptor precursor, putative [Oryza sativa Japonica Group]
LOC_Os10g18480	up	Os10g0331600, partial [Oryza sativa Japonica Group]
LOC_Os10g19331	up	hypothetical protein OsJ_31131 [Oryza sativa Japonica Group]
LOC_Os10g20020	down	Putative retroelement [Oryza sativa Japonica Group]
LOC_Os10g20810	down	Hypothetical protein [Oryza sativa Japonica Group]
LOC_Os10g20890	down	PREDICTED: cortical cell-delineating protein [Oryza sativa Japonica Group]
LOC_Os10g21020	down	Os10g0350800, partial [Oryza sativa Japonica Group]
LOC_Os10g21130	down	PREDICTED: uncharacterized protein LOC4348394 [Oryza sativa Japonica Group]
LOC_Os10g21192	down	Putative PSII 32kDa protein from chromosome 10 chloroplast insertion [Oryza sativa Japonica Group]
LOC_Os10g21230	down	ATP synthase CFO C subunit (chloroplast) [Salvinia cucullata]
LOC_Os10g21236	down	Putative ATPase a subunit from chromosome 10 chloroplast insertion [Oryza sativa Japonica Group]
LOC_Os10g21244	down	ribosomal protein S14 (plastid) [Oryza sativa Japonica Group]
LOC_Os10g21248	down	Putative PSI P700 apoprotein A2 from chromosome 10 chloroplast insertion [Oryza sativa Japonica Group]
LOC_Os10g21250	down	Putative PSI P700 apoprotein A1 from chromosome 10 chloroplast insertion [Oryza sativa Japonica Group]

LOC_Os10g21266	down	Putative atpB; ATPase beta subunit from chromosome 10 chloroplast insertion [Oryza sativa Japonica Group]
LOC_Os10g21268	down	ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit (chloroplast) [Oryza sativa Indica Group]
LOC_Os10g21310	down	photosystem II 47 kDa protein (chloroplast) [Oryza nivara]
LOC_Os10g21396	down	PREDICTED: NAD(P)H-quinone oxidoreductase subunit 1, chloroplastic-like isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g21470	down	PREDICTED: pentatricopeptide repeat-containing protein At2g01390 isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g22510	up	Os10g0370400 [Oryza sativa Japonica Group]
LOC_Os10g24970	down	hypothetical protein LOC_Os10g24970 [Oryza sativa Japonica Group]
LOC_Os10g25030	up	PREDICTED: red chlorophyll catabolite reductase [Oryza sativa Japonica Group]
LOC_Os10g25590	up	PREDICTED: probable glutathione S-transferase BZ2 [Oryza sativa Japonica Group]
LOC_Os10g26370	down	transposon protein, putative, CACTA, En/Spm sub-class [Oryza sativa Japonica Group]
LOC_Os10g26940	up	PREDICTED: BURP domain-containing protein 16 [Oryza sativa Japonica Group]
LOC_Os10g27220	up	PREDICTED: phospholipid-transporting ATPase 3 isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g27450	down	PREDICTED: ribosomal RNA small subunit methyltransferase I [Oryza sativa Japonica Group]
LOC_Os10g28020	up	PREDICTED: acylamino-acid-releasing enzyme isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g28030	up	PREDICTED: acylamino-acid-releasing enzyme isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g28080	up	PREDICTED: chitinase 1 [Oryza sativa Japonica Group]
LOC_Os10g28230	down	PREDICTED: probable histone H2A variant 2 [Oryza sativa Japonica Group]
LOC_Os10g28240	down	PREDICTED: putative calcium-transporting ATPase 13, plasma membrane-type [Oryza sativa Japonica Group]
LOC_Os10g28600	down	PREDICTED: pentatricopeptide repeat-containing protein At4g31850, chloroplastic [Oryza sativa Japonica Group]
LOC_Os10g29180	down	PREDICTED: BTB/POZ and MATH domain-containing protein 1 [Oryza sativa Japonica Group]
LOC_Os10g29470	down	PREDICTED: probable cinnamyl alcohol dehydrogenase 3 [Oryza sativa Japonica Group]
LOC_Os10g29495	down	PREDICTED: BTB/POZ and MATH domain-containing protein 1-like [Oryza sativa Japonica Group]
LOC_Os10g30390	up	PREDICTED: ent-cassadiene C2-hydroxylase-like isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g30540	up	PREDICTED: L-type lectin-domain containing receptor kinase IV.2 [Oryza sativa Japonica Group]
LOC_Os10g30690	down	PREDICTED: uncharacterized protein LOC9268141 isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g30860	up	expressed protein [Oryza sativa Japonica Group]
LOC_Os10g30910	down	PREDICTED: uncharacterized protein LOC4348750 [Oryza sativa Japonica Group]
LOC_Os10g31910	down	PREDICTED: probable pectate lyase 5 [Oryza sativa Japonica Group]
LOC_Os10g31940	down	RecName: Full=Inosine triphosphate pyrophosphatase

LOC_Os10g32470	up	PREDICTED: uncharacterized protein LOC4348819 [Oryza sativa Japonica Group]
LOC_Os10g32500	up	expressed protein [Oryza sativa Japonica Group]
LOC_Os10g32580	down	PREDICTED: GDSL esterase/lipase At5g33370 [Oryza sativa Japonica Group]
LOC_Os10g32900	down	putative flowering-time gene protein [Oryza sativa Japonica Group]
LOC_Os10g32970	up	PREDICTED: eukaryotic translation initiation factor isoform 4E-2 [Oryza sativa Japonica Group]
LOC_Os10g33440	up	putative disease resistant protein [Oryza sativa Japonica Group]
LOC_Os10g33550	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os10g33630	up	PREDICTED: uncharacterized protein At1g03900 isoform X3 [Oryza sativa Japonica Group]
LOC_Os10g33790	down	PREDICTED: uncharacterized protein LOC4348904 isoform X2 [Oryza sativa Japonica Group]
LOC_Os10g33855	down	--
LOC_Os10g34440	up	PREDICTED: SH3 and multiple ankyrin repeat domains protein 1 [Oryza sativa Japonica Group]
LOC_Os10g34580	down	PREDICTED: nijmegen breakage syndrome 1 protein isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g34700	up	cotton fiber expressed protein-like protein [Oryza sativa Japonica Group]
LOC_Os10g34910	up	PREDICTED: uncharacterized protein LOC4348972 [Oryza sativa Japonica Group]
LOC_Os10g35010	down	PREDICTED: protein TIC110, chloroplastic [Oryza sativa Japonica Group]
LOC_Os10g35090	down	Os10g0493100, partial [Oryza sativa Japonica Group]
LOC_Os10g35200	up	PREDICTED: katanin p80 WD40 repeat-containing subunit B1 homolog isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g35436	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os10g35580	down	PREDICTED: microtubule-associated protein RP/EB family member 1C [Oryza sativa Japonica Group]
LOC_Os10g36090	down	PREDICTED: probable non-specific lipid-transfer protein 2 [Oryza sativa Japonica Group]
LOC_Os10g36200	down	PREDICTED: nucleolar protein 58 isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g36480	up	Os10g0508600, partial [Oryza sativa Japonica Group]
LOC_Os10g36650	down	PREDICTED: actin-2 [Oryza sativa Japonica Group]
LOC_Os10g37034	down	Cytochrome P450 family protein [Oryza sativa Japonica Group]
LOC_Os10g37100	up	PREDICTED: cytochrome P450 89A2-like [Oryza sativa Japonica Group]
LOC_Os10g37680	up	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os10g37720	down	PREDICTED: uncharacterized protein LOC4349145 [Oryza sativa Japonica Group]
LOC_Os10g37980	up	PREDICTED: arogenate dehydratase/prephenate dehydratase 6, chloroplastic [Oryza sativa Japonica Group]
LOC_Os10g38060	up	PREDICTED: phospholipase D gamma 1 [Oryza sativa Japonica Group]

LOC_Os10g38196	down	hypothetical protein OrsajCp079 (plastid) [Oryza sativa Japonica Group]
LOC_Os10g38234	down	photosystem I P700 chlorophyll A apoprotein A2 [Oryza sativa Japonica Group]
LOC_Os10g38238	down	ribosomal protein S14 (plastid) [Oryza sativa Japonica Group]
LOC_Os10g38274	down	ATP synthase CFO C subunit (chloroplast) [Salvinia cucullata]
LOC_Os10g38276	down	ATP synthase CF0 A subunit (plastid) [Oryza sativa Japonica Group]
LOC_Os10g38470	up	putative glutathione S-transferase [Oryza sativa Japonica Group]
LOC_Os10g38590	up	PREDICTED: uncharacterized protein LOC4349193 [Oryza sativa Japonica Group]
LOC_Os10g38690	up	PREDICTED: probable glutathione S-transferase GSTU6 [Oryza sativa Japonica Group]
LOC_Os10g38900	up	PREDICTED: C-terminal binding protein AN [Oryza sativa Japonica Group]
LOC_Os10g38950	up	PREDICTED: mitogen-activated protein kinase 6 [Oryza sativa Japonica Group]
LOC_Os10g39030	down	PREDICTED: BEL1-like homeodomain protein 4 [Oryza sativa Japonica Group]
LOC_Os10g39230	up	putative helicase [Oryza sativa Japonica Group]
LOC_Os10g39300	up	PREDICTED: aspartic proteinase nepenthesin-1 [Oryza sativa Japonica Group]
LOC_Os10g39410	down	histone H4 [Zea mays]
LOC_Os10g39420	down	PREDICTED: calcium-dependent protein kinase isoform 1 [Oryza sativa Japonica Group]
LOC_Os10g39640	down	PREDICTED: expansin-like A2 [Oryza sativa Japonica Group]
LOC_Os10g39810	down	PREDICTED: methylsterol monooxygenase 1-1 [Oryza sativa Japonica Group]
LOC_Os10g40120	down	putative arm repeat containing protein [Oryza sativa Japonica Group]
LOC_Os10g40360	up	PREDICTED: proline dehydrogenase 2, mitochondrial [Oryza sativa Japonica Group]
LOC_Os10g40700	down	PREDICTED: expansin-B6 [Oryza sativa Japonica Group]
LOC_Os10g40830	up	PREDICTED: metalloendoproteinase 1-MMP [Oryza sativa Japonica Group]
LOC_Os10g41000	up	retrotransposon protein, putative, unclassified, expressed [Oryza sativa Japonica Group]
LOC_Os10g41050	down	PREDICTED: uncharacterized protein LOC4349373 [Oryza sativa Japonica Group]
LOC_Os10g41100	up	PREDICTED: zinc finger protein CONSTANS-LIKE 2 [Oryza sativa Japonica Group]
LOC_Os10g41230	up	RecName: Full=Homeobox-leucine zipper protein HOX1; AltName: Full=HD-ZIP protein HOX1
LOC_Os10g41240	down	PREDICTED: putative dual specificity protein phosphatase DSP8 [Oryza sativa Japonica Group]
LOC_Os10g41250	down	PREDICTED: formin-like protein 1 [Oryza sativa Japonica Group]
LOC_Os10g41340	up	PREDICTED: palmitoyl-protein thioesterase 1 [Oryza sativa Japonica Group]
LOC_Os10g41370	down	PREDICTED: WD repeat-containing protein WRAP73 [Oryza sativa Japonica Group]

LOC_Os10g41689	down	photosystem II protein D2 (chloroplast) [Oryza sativa Indica Group]
LOC_Os10g41710	down	PREDICTED: 10 kDa chaperonin [Oryza sativa Japonica Group]
LOC_Os10g41730	up	PREDICTED: uncharacterized protein At5g43822 [Oryza sativa Japonica Group]
LOC_Os10g41970	up	PREDICTED: probable methyltransferase PMT2 [Oryza sativa Japonica Group]
LOC_Os10g41980	down	RIR1a protein [Oryza sativa Japonica Group]
LOC_Os10g42020	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os10g42610	down	PREDICTED: uncharacterized protein LOC4349493 [Oryza sativa Japonica Group]
LOC_Os10g42670	down	PREDICTED: probable xyloglucan endotransglucosylase/hydrolase protein 29 [Oryza sativa Japonica Group]
LOC_Os10g42700	down	PREDICTED: probable inactive shikimate kinase like 2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os10g42710	up	PREDICTED: inactive poly [ADP-ribose] polymerase RCD1 [Oryza sativa Japonica Group]
LOC_Os10g42780	down	PREDICTED: plastidal glycolate/glycerate translocator 1, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os10g42930	down	Os10g0580100 [Oryza sativa Japonica Group]
LOC_Os10g43050	down	PREDICTED: ATP-dependent Clp protease proteolytic subunit 4, chloroplastic [Oryza sativa Japonica Group]
LOC_Os11g01030	up	PREDICTED: uncharacterized protein LOC9272298 [Oryza sativa Japonica Group]
LOC_Os11g01380	up	PREDICTED: clathrin heavy chain 1 [Oryza sativa Japonica Group]
LOC_Os11g01590	up	PREDICTED: uncharacterized protein LOC4349562 [Oryza sativa Japonica Group]
LOC_Os11g02080	down	PREDICTED: uncharacterized protein LOC4351298 [Oryza sativa Japonica Group]
LOC_Os11g02270	down	PREDICTED: uncharacterized protein LOC4349595 [Oryza sativa Japonica Group]
LOC_Os11g02310	down	PREDICTED: pentatricopeptide repeat-containing protein At4g18840 [Oryza sativa Japonica Group]
LOC_Os11g02440	down	hypothetical protein OsI_34872 [Oryza sativa Indica Group]
LOC_Os11g02510	up	hypothetical protein LOC_Os11g02510 [Oryza sativa Japonica Group]
LOC_Os11g02530	up	PREDICTED: probable WRKY transcription factor 54 [Oryza sativa Japonica Group]
LOC_Os11g02550	up	PREDICTED: uncharacterized protein LOC4349613 [Oryza sativa Japonica Group]
LOC_Os11g02600	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g02610	up	PREDICTED: root phototropism protein 2 [Oryza sativa Japonica Group]
LOC_Os11g02820	up	PREDICTED: uncharacterized protein LOC4349632 [Oryza sativa Japonica Group]
LOC_Os11g02830	down	PREDICTED: serine/threonine-protein kinase At5g01020 isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g02840	down	protein kinase family protein, putative [Oryza sativa Japonica Group]
LOC_Os11g03060	down	PREDICTED: vacuolar protein sorting-associated protein 32 homolog 2 [Oryza sativa Japonica Group]

LOC_Os11g03470	down	PREDICTED: bifunctional aspartokinase/homoserine dehydrogenase 1 isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g03580	up	PREDICTED: uncharacterized protein LOC4349671 [Oryza sativa Japonica Group]
LOC_Os11g03670	down	PREDICTED: protein SYM1 [Oryza sativa Japonica Group]
LOC_Os11g03720	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g04150	down	major facilitator superfamily antiporter, putative, expressed [Oryza sativa Japonica Group]
LOC_Os11g04160	down	4'-phosphopantetheinyl transferase superfamily protein [Oryza sativa Japonica Group]
LOC_Os11g04174	down	hypothetical_protein [Oryza brachyantha]
LOC_Os11g04330	down	hypothetical protein OsI_35028 [Oryza sativa Indica Group]
LOC_Os11g04670	up	PREDICTED: 2-isopropylmalate synthase A [Oryza sativa Japonica Group]
LOC_Os11g04930	up	PREDICTED: protein TRAUCO [Oryza sativa Japonica Group]
LOC_Os11g05060	down	hypothetical protein LOC_Os11g05060 [Oryza sativa Japonica Group]
LOC_Os11g05090	up	PREDICTED: peptidyl-prolyl cis-trans isomerase FKBP42 [Oryza sativa Japonica Group]
LOC_Os11g05180	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g05260	down	PREDICTED: 2-carboxy-D-arabinitol-1-phosphatase [Oryza sativa Japonica Group]
LOC_Os11g05300	down	PREDICTED: RING-H2 finger protein ATL67 [Oryza sativa Japonica Group]
LOC_Os11g05480	down	PREDICTED: transcription factor HBP-1b(c38) isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g05530	up	PREDICTED: uncharacterized protein At1g76070 [Oryza sativa Japonica Group]
LOC_Os11g05660	up	Os11g0155100, partial [Oryza sativa Japonica Group]
LOC_Os11g05690	down	PREDICTED: cationic amino acid transporter 6, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g05870	down	hypothetical protein OsJ_33034 [Oryza sativa Japonica Group]
LOC_Os11g06220	up	PREDICTED: disease resistance protein RGA2 [Oryza sativa Japonica Group]
LOC_Os11g06234	up	PREDICTED: disease resistance protein RGA2-like isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g06300	up	PREDICTED: uncharacterized protein LOC9267552 isoform X3 [Oryza sativa Japonica Group]
LOC_Os11g06440	up	PREDICTED: uncharacterized protein LOC4349868 [Oryza sativa Japonica Group]
LOC_Os11g06690	down	Putative serine esterase (DUF676) [Oryza sativa Japonica Group]
LOC_Os11g06740	down	SNELIPTRC, putative, expressed [Oryza sativa Japonica Group]
LOC_Os11g06820	down	PREDICTED: putative auxin transporter-like protein 4 [Oryza sativa Japonica Group]
LOC_Os11g06880	down	hypothetical protein OsJ_33112 [Oryza sativa Japonica Group]
LOC_Os11g06910	down	coiled-coil protein [Oryza sativa Japonica Group]

LOC_Os11g07200	up	Leucine Rich Repeat, putative [Oryza sativa Japonica Group]
LOC_Os11g07280	up	PREDICTED: coatomer subunit beta-1 [Oryza sativa Japonica Group]
LOC_Os11g07440	up	PREDICTED: probable alkaline/neutral invertase F [Oryza sativa Japonica Group]
LOC_Os11g07690	up	PREDICTED: dirigent protein 22 [Oryza sativa Japonica Group]
LOC_Os11g07860	down	hypothetical protein LOC_Os11g07860 [Oryza sativa Japonica Group]
LOC_Os11g07870	down	Similar to probable ATP-dependent RNA helicase - fission yeast (<i>Schizosaccharomyces pombe</i>) [Oryza sativa Japonica Group]
LOC_Os11g07890	down	transposon protein, putative, CACTA, En/Spm sub-class [Oryza sativa Japonica Group]
LOC_Os11g07922	down	PREDICTED: short-chain dehydrogenase TIC 32, chloroplastic [Oryza sativa Japonica Group]
LOC_Os11g07950	up	PREDICTED: uncharacterized protein LOC4349947 [Oryza sativa Japonica Group]
LOC_Os11g08110	down	unnamed protein product [Oryza sativa Japonica Group]
LOC_Os11g09680	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g10120	up	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g10240	down	PREDICTED: F-box protein At4g22280 isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g10300	down	F-box domain containing protein [Oryza sativa Japonica Group]
LOC_Os11g11000	up	PREDICTED: uncharacterized aarF domain-containing protein kinase At4g31390, chloroplastic [Oryza sativa Japonica Group]
LOC_Os11g11550	up	PREDICTED: disease resistance protein RPP13 [Oryza sativa Japonica Group]
LOC_Os11g11580	up	NB-ARC domain, putative [Oryza sativa Japonica Group]
LOC_Os11g11980	up	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g12300	up	PREDICTED: disease resistance protein RPM1 [Oryza sativa Japonica Group]
LOC_Os11g13410	up	PREDICTED: putative disease resistance RPP13-like protein 3 isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g13420	down	PREDICTED: mini-ribonuclease 3 [Oryza sativa Japonica Group]
LOC_Os11g13670	up	hypothetical protein OsI_35649 [Oryza sativa Indica Group]
LOC_Os11g14040	up	PREDICTED: glutathione S-transferase zeta class [Oryza sativa Japonica Group]
LOC_Os11g14400	down	Polygalacturonase family protein, expressed [Oryza sativa Japonica Group]
LOC_Os11g15010	up	PREDICTED: uncharacterized protein LOC4350222 [Oryza sativa Japonica Group]
LOC_Os11g15040	up	Benzoate carboxyl methyltransferase, putative, expressed [Oryza sativa Japonica Group]
LOC_Os11g15230	up	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g15570	up	PREDICTED: uncharacterized protein At1g18480 [Oryza sativa Japonica Group]
LOC_Os11g16470	up	PREDICTED: putative disease resistance RPP13-like protein 3 [Oryza sativa Japonica Group]

LOC_Os11g16924	up	--
LOC_Os11g16940	up	transposon protein, putative, CACTA, En/Spm sub-class [Oryza sativa Japonica Group]
LOC_Os11g17504	down	PREDICTED: endo-1,3;1,4-beta-D-glucanase [Oryza sativa Japonica Group]
LOC_Os11g17600	down	PREDICTED: exocyst complex component SEC3A isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g18366	down	Cycloartenol synthase, putative, expressed [Oryza sativa Japonica Group]
LOC_Os11g18570	down	PREDICTED: cytochrome P450 87A3-like [Oryza sativa Japonica Group]
LOC_Os11g19840	down	RecName: Full=Flavonoid O-methyltransferase-like protein Os11g0303600
LOC_Os11g19850	up	hypothetical protein LOC_Os11g19850 [Oryza sativa Japonica Group]
LOC_Os11g19880	down	O-methyltransferase [Oryza sativa Japonica Group]
LOC_Os11g20060	down	hypothetical protein LOC_Os11g20060 [Oryza sativa Japonica Group]
LOC_Os11g20170	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g20490	down	hypothetical protein [Oryza sativa Japonica Group]
LOC_Os11g24070	down	PREDICTED: non-specific lipid-transfer protein 1-like [Oryza sativa Japonica Group]
LOC_Os11g24170	up	NB-ARC domain, putative [Oryza sativa Japonica Group]
LOC_Os11g24590	down	PREDICTED: uncharacterized protein LOC4350405 [Oryza sativa Japonica Group]
LOC_Os11g25920	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g26860	down	Serine hydroxymethyltransferase, mitochondrial precursor, putative, expressed [Oryza sativa Japonica Group]
LOC_Os11g27370	down	PREDICTED: anthocyanidin 3-O-glucosyltransferase [Oryza sativa Japonica Group]
LOC_Os11g29150	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g29690	up	Os11g0488500, partial [Oryza sativa Japonica Group]
LOC_Os11g29710	up	PREDICTED: F-box protein At5g50450 isoform X2 [Oryza sativa Japonica Group]
LOC_Os11g31190	down	RecName: Full=Bidirectional sugar transporter SWEET14; Short=OsSWEET14
LOC_Os11g31480	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g32320	down	Os11g0526200, partial [Oryza sativa Japonica Group]
LOC_Os11g32360	up	PREDICTED: uncharacterized protein LOC9268504 isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g32490	down	PREDICTED: uncharacterized protein LOC4350630 [Oryza sativa Japonica Group]
LOC_Os11g32620	down	Chalcone and stilbene synthases, N-terminal domain containing protein [Oryza sativa Japonica Group]
LOC_Os11g32870	up	hypothetical protein LOC_Os11g32870 [Oryza sativa Japonica Group]
LOC_Os11g33970	up	PREDICTED: UPF0481 protein At3g47200 [Oryza sativa Japonica Group]

LOC_Os11g34110	down	PREDICTED: heparan-alpha-glucosaminide N-acetyltransferase [Oryza sativa Japonica Group]
LOC_Os11g34120	down	importin, putative, expressed [Oryza sativa Japonica Group]
LOC_Os11g34160	down	PREDICTED: protein ROOT PRIMORDIUM DEFECTIVE 1 [Oryza sativa Japonica Group]
LOC_Os11g34180	down	PREDICTED: GDT1-like protein 2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os11g34200	up	PREDICTED: dr1-associated corepressor [Oryza sativa Japonica Group]
LOC_Os11g34320	down	uvb-resistance protein uvr8, possible, putative, expressed [Oryza sativa Japonica Group]
LOC_Os11g34390	down	RecName: Full=Probable glycosyltransferase 6; Short=OsGT6
LOC_Os11g34660	up	PREDICTED: uncharacterized protein LOC107279289 isoform X2 [Oryza sativa Japonica Group]
LOC_Os11g34760	up	PREDICTED: phosphatidate cytidyltransferase, mitochondrial isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g34770	down	PREDICTED: maf-like protein DDB_G0281937 isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g34940	down	PREDICTED: 50S ribosomal protein 6, chloroplastic [Oryza sativa Japonica Group]
LOC_Os11g35450	up	PREDICTED: receptor-like protein 12 [Oryza sativa Japonica Group]
LOC_Os11g35540	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g35850	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At4g08850 [Oryza sativa Japonica Group]
LOC_Os11g35930	down	PREDICTED: chalcone synthase [Oryza sativa Japonica Group]
LOC_Os11g36090	up	Leucine Rich Repeat family protein, expressed [Oryza sativa Japonica Group]
LOC_Os11g36150	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At3g47570 isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g36160	up	PREDICTED: LRR receptor-like serine/threonine-protein kinase EFR isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g36410	up	PREDICTED: probable disease resistance protein At5g63020 [Oryza sativa Japonica Group]
LOC_Os11g36570	down	hypothetical protein LOC_Os11g36570 [Oryza sativa Japonica Group]
LOC_Os11g37200	down	PREDICTED: BI1-like protein [Oryza sativa Japonica Group]
LOC_Os11g37400	down	retrotransposon protein, putative, Ty3-gypsy subclass [Oryza sativa Japonica Group]
LOC_Os11g37660	down	PREDICTED: pentatricopeptide repeat-containing protein At3g53360, mitochondrial [Oryza sativa Japonica Group]
LOC_Os11g37690	up	PREDICTED: TBC1 domain family member 15 isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g37774	down	NB-ARC domain containing protein, expressed [Oryza sativa Japonica Group]
LOC_Os11g37970	down	hypothetical protein OsI_36717 [Oryza sativa Indica Group]
LOC_Os11g37980	down	PREDICTED: probable galacturonosyltransferase 4 [Oryza sativa Japonica Group]
LOC_Os11g38020	down	PREDICTED: GTPase HflX [Oryza sativa Japonica Group]
LOC_Os11g38990	up	PREDICTED: peptidyl-prolyl cis-trans isomerase CYP23 [Oryza sativa Japonica Group]

LOC_Os11g39330	down	NB-ARC domain containing protein [Oryza sativa Japonica Group]
LOC_Os11g39350	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g39430	up	PREDICTED: uncharacterized protein LOC9266760 [Oryza sativa Japonica Group]
LOC_Os11g39450	up	PREDICTED: putative receptor-like protein kinase At4g00960 isoform X2 [Oryza sativa Japonica Group]
LOC_Os11g39670	down	PREDICTED: serine--tRNA ligase, chloroplastic/mitochondrial [Oryza sativa Japonica Group]
LOC_Os11g40850	up	expressed protein [Oryza sativa Japonica Group]
LOC_Os11g41034	up	Os11g0626700 [Oryza sativa Japonica Group]
LOC_Os11g41540	down	NB-ARC domain containing protein, expressed [Oryza sativa Japonica Group]
LOC_Os11g42230	down	F-box domain containing protein [Oryza sativa Japonica Group]
LOC_Os11g42240	down	F-box domain containing protein [Oryza sativa Japonica Group]
LOC_Os11g42290	up	PREDICTED: agmatine coumaroyltransferase-1 [Oryza sativa Japonica Group]
LOC_Os11g43600	down	PREDICTED: peptide chain release factor APG3, chloroplastic [Oryza sativa Japonica Group]
LOC_Os11g43810	down	hypothetical protein LOC_Os11g43810 [Oryza sativa Japonica Group]
LOC_Os11g43990	up	PREDICTED: uncharacterized protein LOC4351068 isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g44800	down	PREDICTED: uncharacterized protein LOC4351087 [Oryza sativa Japonica Group]
LOC_Os11g45060	up	NB-ARC domain containing protein [Oryza sativa Japonica Group]
LOC_Os11g45090	up	NB-ARC domain containing protein [Oryza sativa Japonica Group]
LOC_Os11g45130	up	NB-ARC domain containing protein, expressed [Oryza sativa Japonica Group]
LOC_Os11g45280	up	PREDICTED: probable serine/threonine-protein kinase DDB_G0271682 isoform X1 [Oryza sativa Japonica Group]
LOC_Os11g45400	down	Os11g0679700, partial [Oryza sativa Japonica Group]
LOC_Os11g45920	up	TPA: WRKY transcription factor 63 [Oryza sativa (japonica cultivar-group)]
LOC_Os11g46210	up	PREDICTED: putative disease resistance RPP13-like protein 3 [Oryza sativa Japonica Group]
LOC_Os11g47030	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase At3g47570 [Oryza sativa Japonica Group]
LOC_Os11g47150	up	Protein kinase domain, putative [Oryza sativa Japonica Group]
LOC_Os11g47180	up	Leucine Rich Repeat, putative [Oryza sativa Japonica Group]
LOC_Os11g47410	down	AT hook motif-containing protein, putative [Oryza sativa Japonica Group]
LOC_Os11g47560	up	PREDICTED: xylanase inhibitor protein 2-like [Oryza sativa Japonica Group]
LOC_Os11g47910	up	PREDICTED: scarecrow-like protein 9 [Oryza sativa Japonica Group]
LOC_Os12g01260	up	PREDICTED: protein transport protein Sec61 subunit beta [Oryza sativa Japonica Group]

LOC_Os12g01390	up	PREDICTED: clathrin heavy chain 2 [Oryza sativa Japonica Group]
LOC_Os12g01400	up	PREDICTED: probable calcium-binding protein CML25/26 [Oryza sativa Japonica Group]
LOC_Os12g01410	down	hypothetical protein LOC_Os12g01410 [Oryza sativa Japonica Group]
LOC_Os12g01500	up	PREDICTED: uncharacterized protein LOC4351261 [Oryza sativa Japonica Group]
LOC_Os12g01510	up	PREDICTED: probable LRR receptor-like serine/threonine-protein kinase MRH1 [Oryza sativa Japonica Group]
LOC_Os12g01680	down	PREDICTED: macrophage migration inhibitory factor homolog isoform X2 [Oryza sativa Japonica Group]
LOC_Os12g01950	up	expressed protein [Oryza sativa Japonica Group]
LOC_Os12g02400	up	PREDICTED: probable WRKY transcription factor 69 isoform X1 [Oryza sativa Japonica Group]
LOC_Os12g02530	up	PREDICTED: root phototropism protein 2 isoform X1 [Oryza sativa Japonica Group]
LOC_Os12g02880	up	PREDICTED: calcium uniporter protein 6, mitochondrial [Oryza sativa Japonica Group]
LOC_Os12g03050	up	PREDICTED: NAC domain-containing protein 77 [Oryza sativa Japonica Group]
LOC_Os12g03170	down	PREDICTED: uncharacterized protein LOC9267002 [Oryza sativa Japonica Group]
LOC_Os12g03180	down	PREDICTED: probable inactive serine/threonine-protein kinase bub1 [Oryza sativa Japonica Group]
LOC_Os12g03350	up	PREDICTED: uncharacterized protein LOC107278415 [Oryza sativa Japonica Group]
LOC_Os12g03430	down	PREDICTED: protein SYM1-like [Oryza sativa Japonica Group]
LOC_Os12g03740	up	PREDICTED: F-box protein PP2-B10 [Oryza sativa Japonica Group]
LOC_Os12g03960	up	PREDICTED: L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase isoform X2 [Oryza sativa Japonica Group]
LOC_Os12g03980	down	hypothetical protein LOC_Os12g03980 [Oryza sativa Japonica Group]
LOC_Os12g04020	down	PREDICTED: hydroxymethylglutaryl-CoA lyase, mitochondrial isoform X1 [Oryza sativa Japonica Group]
LOC_Os12g04120	down	phosphoglycerate mutase family protein [Oryza sativa Japonica Group]
LOC_Os12g04220	down	PREDICTED: probable calcium-transporting ATPase 4, plasma membrane-type isoform X2 [Oryza sativa Japonica Group]
LOC_Os12g04440	up	PREDICTED: 2-isopropylmalate synthase A [Oryza sativa Japonica Group]
LOC_Os12g04520	down	PREDICTED: L-galactono-1,4-lactone dehydrogenase 2, mitochondrial [Oryza sativa Japonica Group]
LOC_Os12g04740	down	PREDICTED: uncharacterized protein LOC4351472 isoform X1 [Oryza sativa Japonica Group]
LOC_Os12g04860	down	PREDICTED: DTW domain-containing protein 2 [Oryza sativa Japonica Group]
LOC_Os12g04940	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os12g04980	up	PREDICTED: meiotic recombination protein DMC1 homolog [Oryza sativa Japonica Group]
LOC_Os12g05330	up	PREDICTED: seipin-1 [Oryza sativa Japonica Group]
LOC_Os12g05420	up	PREDICTED: IQ domain-containing protein IQM3 [Oryza sativa Japonica Group]

LOC_Os12g05640	up	PREDICTED: pentatricopeptide repeat-containing protein At1g22960, mitochondrial [Oryza sativa Japonica Group]
LOC_Os12g05680	up	PREDICTED: transcription factor TGA6 [Oryza sativa Japonica Group]
LOC_Os12g05980	up	PREDICTED: uncharacterized protein LOC4351544 [Oryza sativa Japonica Group]
LOC_Os12g06190	up	PREDICTED: uncharacterized protein LOC4351554 [Oryza sativa Japonica Group]
LOC_Os12g06220	up	PREDICTED: uncharacterized protein LOC4351557 [Oryza sativa Japonica Group]
LOC_Os12g06740	down	PREDICTED: putative F-box protein At3g52320 isoform X1 [Oryza sativa Japonica Group]
LOC_Os12g06980	down	SAP domain containing protein, expressed [Oryza sativa Japonica Group]
LOC_Os12g07110	down	PREDICTED: long chain acyl-CoA synthetase 9, chloroplastic [Oryza sativa Japonica Group]
LOC_Os12g07280	up	PREDICTED: zinc finger protein STAR3 [Oryza sativa Japonica Group]
LOC_Os12g07440	up	hypothetical protein LOC_Os12g07440 [Oryza sativa Japonica Group]
LOC_Os12g07490	up	Os12g0173388 [Oryza sativa Japonica Group]
LOC_Os12g07650	down	PREDICTED: monothiol glutaredoxin-S12, chloroplastic [Oryza sativa Japonica Group]
LOC_Os12g07950	up	PREDICTED: NAD-dependent protein deacylase SRT2 isoform X1 [Oryza sativa Japonica Group]
LOC_Os12g08170	down	PREDICTED: dihydrolipoyllysine-residue acetyltransferase component 5 of pyruvate dehydrogenase complex, chloroplastic [Oryza sativa Japonica Group]
LOC_Os12g08220	down	PREDICTED: histone deacetylase 14 isoform X1 [Oryza sativa Japonica Group]
LOC_Os12g09590	down	PREDICTED: protein SUPPRESSOR OF GENE SILENCING 3 homolog [Oryza sativa Japonica Group]
LOC_Os12g10260	up	hAT family dimerisation domain containing protein [Oryza sativa Japonica Group]
LOC_Os12g10570	down	ATP synthase beta chain, putative [Oryza sativa Japonica Group]
LOC_Os12g10720	down	PREDICTED: glutathione S-transferase isoform X1 [Oryza sativa Japonica Group]
LOC_Os12g10740	up	PREDICTED: probable leucine-rich repeat receptor-like protein kinase At5g49770 isoform X2 [Oryza sativa Japonica Group]
LOC_Os12g12090	up	expressed protein [Oryza sativa Japonica Group]
LOC_Os12g12110	up	hypothetical protein LOC_Os12g12110 [Oryza sativa Japonica Group]
LOC_Os12g12370	down	PREDICTED: outer envelope pore protein 37, chloroplastic isoform X2 [Oryza sativa Japonica Group]
LOC_Os12g13340	down	PREDICTED: uncharacterized protein LOC9266774 [Oryza sativa Japonica Group]
LOC_Os12g13460	down	PREDICTED: ribulose-1,5 biphosphate carboxylase/oxygenase large subunit N-methyltransferase, chloroplastic [Oryza sativa Japonica Group]
LOC_Os12g14440	down	PREDICTED: PYK10-binding protein 1 [Oryza sativa Japonica Group]
LOC_Os12g14540	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os12g14930	down	Mitochondrial 22 kDa protein, putative, expressed [Oryza sativa Japonica Group]
LOC_Os12g15530	down	retrotransposon protein, putative, Ty1-copia subclass, expressed [Oryza sativa Japonica Group]

LOC_Os12g16360	down	expressed protein [Oryza sativa Japonica Group]
LOC_Os12g16540	up	PREDICTED: wall-associated receptor kinase 3 isoform X2 [Oryza sativa Japonica Group]
LOC_Os12g17090	down	PREDICTED: putative disease resistance RPP13-like protein 3 [Oryza sativa Japonica Group]
LOC_Os12g17550	down	Leucine Rich Repeat family protein, expressed [Oryza sativa Japonica Group]
LOC_Os12g19030	up	PREDICTED: E3 ubiquitin-protein ligase RGLG2 isoform X2 [Oryza sativa Japonica Group]
LOC_Os12g19285	down	Os12g0289833 [Oryza sativa Japonica Group]
LOC_Os12g19530	down	ATP-binding region, ATPase-like domain-containing protein, putative, expressed [Oryza sativa Japonica Group]
LOC_Os12g21760	down	hypothetical protein LOC_Os12g21760 [Oryza sativa Japonica Group]
LOC_Os12g21860	up	expressed protein [Oryza sativa Japonica Group]
LOC_Os12g22284	down	PREDICTED: ABC transporter G family member 11 [Oryza sativa Japonica Group]
LOC_Os12g22500	down	hypothetical protein OsI_38080 [Oryza sativa Indica Group]
LOC_Os12g23180	down	PREDICTED: chloroplast stem-loop binding protein of 41 kDa b, chloroplastic [Oryza sativa Japonica Group]
LOC_Os12g24040	up	Glycosyl hydrolase family 9 protein, expressed [Oryza sativa Japonica Group]
LOC_Os12g24250	up	retrotransposon protein, putative, unclassified, expressed [Oryza sativa Japonica Group]
LOC_Os12g24650	up	RecName: Full=Putative leucine aminopeptidase 1
LOC_Os12g25494	up	transposon protein, putative, unclassified, expressed [Oryza sativa Japonica Group]
LOC_Os12g28880	down	Protease inhibitor/seed storage/LTP family protein [Oryza sativa Japonica Group]
LOC_Os12g29500	down	hypothetical protein LOC_Os12g29500 [Oryza sativa Japonica Group]
LOC_Os12g29950	up	PREDICTED: uncharacterized membrane protein YMR155W [Oryza sativa Japonica Group]
LOC_Os12g30030	up	PREDICTED: iron-sulfur assembly protein IscA-like 1, mitochondrial [Oryza sativa Japonica Group]
LOC_Os12g31480	down	PREDICTED: GPI mannosyltransferase 2 [Oryza sativa Japonica Group]
LOC_Os12g31790	up	PREDICTED: uncharacterized protein LOC4352278 [Oryza sativa Japonica Group]
LOC_Os12g31810	down	PREDICTED: cyclin-A2-1 isoform X2 [Oryza sativa Japonica Group]
LOC_Os12g32260	down	hypothetical protein OsI_38462 [Oryza sativa Indica Group]
LOC_Os12g32650	up	PREDICTED: protein CLT2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os12g32790	up	PREDICTED: putative disease resistance RPP13-like protein 1 [Oryza sativa Japonica Group]
LOC_Os12g33050	down	transposon protein, putative, CACTA, En/Spm sub-class [Oryza sativa Japonica Group]
LOC_Os12g33100	up	hypothetical protein OsJ_36285 [Oryza sativa Japonica Group]
LOC_Os12g33150	down	PREDICTED: uncharacterized protein LOC9266183 [Oryza sativa Japonica Group]

LOC_Os12g33280	up	Os12g0517800 [Oryza sativa Japonica Group]
LOC_Os12g33946	down	cox1 (mitochondrion) [Bambusa oldhamii]
LOC_Os12g33958	down	unnamed protein product [Triticum aestivum]
LOC_Os12g34018	down	hypothetical protein OrsaiPp08 (mitochondrion) [Oryza sativa Indica Group]
LOC_Os12g34094	down	NADH dehydrogenase subunit 4 (mitochondrion) [Oryza sativa Indica Group]
LOC_Os12g34108	down	ATP synthase F0 subunit 9 (mitochondrion) [Oryza rufipogon]
LOC_Os12g34510	down	PREDICTED: probable histone H2AXb [Oryza sativa Japonica Group]
LOC_Os12g34850	up	PREDICTED: VIN3-like protein 1 [Oryza sativa Japonica Group]
LOC_Os12g34890	down	PREDICTED: acyl carrier protein 1, chloroplastic [Oryza sativa Japonica Group]
LOC_Os12g35330	down	PREDICTED: putative glutaredoxin-C14 [Oryza sativa Japonica Group]
LOC_Os12g35340	down	PREDICTED: glutaredoxin-C15 [Oryza sativa Japonica Group]
LOC_Os12g35360	up	PREDICTED: golgin candidate 6 [Oryza sativa Japonica Group]
LOC_Os12g36030	up	expressed protein [Oryza sativa Japonica Group]
LOC_Os12g36100	down	PREDICTED: kinesin-4 [Oryza sativa Japonica Group]
LOC_Os12g36180	up	PREDICTED: auxilin-related protein 1 [Oryza sativa Japonica Group]
LOC_Os12g36194	down	PREDICTED: nucleoside diphosphate kinase 2, chloroplastic [Oryza sativa Japonica Group]
LOC_Os12g36570	down	retrotransposon protein, putative, unclassified [Oryza sativa Japonica Group]
LOC_Os12g36620	up	pentatricopeptide, putative, expressed [Oryza sativa Japonica Group]
LOC_Os12g36640	down	PREDICTED: universal stress protein MT2085 isoform X1 [Oryza sativa Japonica Group]
LOC_Os12g36840	up	PREDICTED: major pollen allergen Cor a 1 isoforms 5, 6, 11 and 16 [Oryza sativa Japonica Group]
LOC_Os12g36890	down	PREDICTED: cellulose synthase-like protein D4 [Oryza sativa Japonica Group]
LOC_Os12g36920	up	PREDICTED: calmodulin-binding protein 60 A isoform X1 [Oryza sativa Japonica Group]
LOC_Os12g37260	down	PREDICTED: lipoxygenase 2.1, chloroplastic isoform X1 [Oryza sativa Japonica Group]
LOC_Os12g37360	up	PREDICTED: GTP-binding protein SAR1A [Oryza sativa Japonica Group]
LOC_Os12g37720	up	PREDICTED: nuclear export mediator factor NEMF [Oryza sativa Japonica Group]
LOC_Os12g37740	down	PREDICTED: disease resistance protein RPM1 isoform X2 [Oryza sativa Japonica Group]
LOC_Os12g37790	up	hypothetical protein LOC_Os12g37790 [Oryza sativa Japonica Group]
LOC_Os12g37970	up	hypothetical protein OsJ_36546 [Oryza sativa Japonica Group]
LOC_Os12g38030	down	retrotransposon protein, putative, Ty3-gypsy subclass [Oryza sativa Japonica Group]

LOC_Os12g38270	down	PREDICTED: metallothionein-like protein 4A [Oryza sativa Japonica Group]
LOC_Os12g38300	down	PREDICTED: metallothionein-like protein 4C [Oryza sativa Japonica Group]
LOC_Os12g38610	up	PREDICTED: L-type lectin-domain containing receptor kinase S.4-like [Oryza sativa Japonica Group]
LOC_Os12g38650	down	PREDICTED: mitochondrial import receptor subunit TOM5 homolog [Oryza sativa Japonica Group]
LOC_Os12g38660	up	PREDICTED: uncharacterized protein LOC4352610 [Oryza sativa Japonica Group]
LOC_Os12g38780	down	hypothetical protein OsJ_36629 [Oryza sativa Japonica Group]
LOC_Os12g38850	down	hypothetical protein OsI_38863 [Oryza sativa Indica Group]
LOC_Os12g38920	down	hypothetical protein OsI_38868 [Oryza sativa Indica Group]
LOC_Os12g39520	down	PREDICTED: uncharacterized protein LOC9269040 [Oryza sativa Japonica Group]
LOC_Os12g40010	up	PREDICTED: uncharacterized protein LOC4352675 [Oryza sativa Japonica Group]
LOC_Os12g40500	up	PREDICTED: phosphatidylinositol-glycan biosynthesis class X protein isoform X1 [Oryza sativa Japonica Group]
LOC_Os12g40540	down	PREDICTED: uncharacterized protein LOC4352705 [Oryza sativa Japonica Group]
LOC_Os12g41060	down	PREDICTED: ethylene-responsive transcription factor ERF023 [Oryza sativa Japonica Group]
LOC_Os12g41110	up	PREDICTED: calmodulin-like protein 5 [Oryza sativa Japonica Group]
LOC_Os12g41560	up	PREDICTED: protein TIFY 6a [Oryza sativa Japonica Group]
LOC_Os12g42540	up	PREDICTED: RING-H2 finger protein ATL70-like [Oryza sativa Japonica Group]
LOC_Os12g42610	down	PREDICTED: protein YABBY 6 [Oryza sativa Japonica Group]
LOC_Os12g42850	up	PREDICTED: cationic amino acid transporter 2, vacuolar [Oryza sativa Japonica Group]
LOC_Os12g42860	down	PREDICTED: plant cysteine oxidase 2 [Oryza sativa Japonica Group]
LOC_Os12g43340	down	PREDICTED: actin-depolymerizing factor 11 [Oryza sativa Japonica Group]
LOC_Os12g43380	up	PREDICTED: thaumatin-like protein [Oryza sativa Japonica Group]
LOC_Os12g43830	down	PREDICTED: uncharacterized protein LOC4352882 [Oryza sativa Japonica Group]
LOC_Os12g43970	up	Os12g0636400, partial [Oryza sativa Japonica Group]
LOC_Os12g44110	up	PREDICTED: protein NRT1/ PTR FAMILY 2.11 [Oryza sativa Japonica Group]
LOC_Os12g44250	up	PREDICTED: vesicle-associated membrane protein 721 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_1036	down	hypothetical protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_1053	down	hypothetical protein OsJ_08626 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_1202	down	Os03g0217801, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_1309	up	hypothetical protein LOC_Os03g24150 [Oryza sativa Japonica Group]

Oryza_sativa_newGene_1313	down	hypothetical protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_1374	down	Os03g0432277 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_1450	down	--
Oryza_sativa_newGene_1508	down	--
Oryza_sativa_newGene_1571	up	PREDICTED: lariat debranching enzyme [Oryza sativa Japonica Group]
Oryza_sativa_newGene_1616	down	signal anchor, putative [Medicago truncatula]
Oryza_sativa_newGene_1626	down	PREDICTED: probable DNA gyrase subunit A, chloroplastic/mitochondrial isoform X2 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_1666	down	Os04g0103400 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_1687	up	hypothetical protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_1725	down	H0806H05.4 [Oryza sativa]
Oryza_sativa_newGene_1997	up	PREDICTED: histone H3.3 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_2000	down	--
Oryza_sativa_newGene_2082	up	Os04g0543950 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_2150	down	Os03g0744100, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_2236	down	hypothetical protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_2277	down	unknown protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_2287	down	hypothetical protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_2294	down	hypothetical protein OsI_01351 [Oryza sativa Indica Group]
Oryza_sativa_newGene_2323	up	PREDICTED: protein kish [Oryza sativa Japonica Group]
Oryza_sativa_newGene_233	up	Os06g0216000 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_2360	up	hypothetical protein OsJ_18003 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_2392	down	Os05g0357850 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_2431	down	unknown protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_2568	up	Os05g0536101 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_2761	down	--
Oryza_sativa_newGene_278	down	--
Oryza_sativa_newGene_2925	down	PREDICTED: cyclic nucleotide-gated ion channel 1 isoform X2 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_297	down	--
Oryza_sativa_newGene_3002	down	hypothetical protein [Oryza sativa Japonica Group]

Oryza_sativa_newGene_3077	down	hypothetical protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3083	down	P1B-ATPase heavy-metal transporter [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3095	down	unknown protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3206	up	Os07g0196100, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3208	down	hypothetical protein OsI_25303 [Oryza sativa Indica Group]
Oryza_sativa_newGene_3269	up	Os07g0272800 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3282	down	hypothetical protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3389	up	hypothetical protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3403	down	Os07g0465100, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3469	up	Os07g0534300, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3571	down	hypothetical protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3573	down	unknown protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3592	down	putative reverse transcriptase [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3625	down	PREDICTED: F-box/LRR-repeat protein At4g14103 isoform X1 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3645	up	Os08g0165601 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3711	down	Os01g0547500, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3718	down	Os08g0234700 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3747	down	--
Oryza_sativa_newGene_3815	down	expressed protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3826	up	hypothetical protein OsJ_27029 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_3855	up	Os06g0493800, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4028	down	hypothetical protein MTR_0021s0160 [Medicago truncatula]
Oryza_sativa_newGene_4029	down	hypothetical protein G7K_1412-t1 [Saitoella complicata NRRL Y-17804]
Oryza_sativa_newGene_4030	down	hypothetical protein G7K_1412-t1 [Saitoella complicata NRRL Y-17804]
Oryza_sativa_newGene_4051	down	Os09g0116900 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_407	down	hypothetical protein OsI_12498 [Oryza sativa Indica Group]
Oryza_sativa_newGene_4089	down	hypothetical protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4194	down	Os09g0349900 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4263	down	hypothetical protein [Oryza sativa Japonica Group]

Oryza_sativa_newGene_4347	down	PREDICTED: ycf49-like protein isoform X1 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4361	down	Os09g0539901, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4376	down	hypothetical protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4399	down	Os01g0369600 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4431	up	Os01g0824350, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4446	down	hypothetical protein BAE44_0005741 [Dichantheium oligosanthes]
Oryza_sativa_newGene_4536	down	hypothetical protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4552	down	monoglyceride lipase isoform 2 -like [Oryza sativa Japonica Group]
Oryza_sativa_newGene_459	up	Os01g0275900 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4654	down	Os10g0161100, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4661	down	hypothetical protein [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4665	up	--
Oryza_sativa_newGene_4676	down	PREDICTED: chloride conductance regulatory protein ICln-like [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4708	up	Os05g0215500 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4794	down	Os07g0616100 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4850	down	Os02g0585608 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_4876	up	OSJNBa0009P12.14 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_5013	down	Os01g0282251, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_502	down	--
Oryza_sativa_newGene_5029	up	OSJNBb0089K06.18 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_5074	up	PREDICTED: probable esterase D14L [Oryza sativa Japonica Group]
Oryza_sativa_newGene_5099	down	hypothetical protein SETIT_008107mg [Setaria italica]
Oryza_sativa_newGene_5103	down	hypothetical protein OsI_29425 [Oryza sativa Indica Group]
Oryza_sativa_newGene_5112	down	Os11g0429200, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_517	down	--
Oryza_sativa_newGene_551	down	hypothetical protein OsI_05944 [Oryza sativa Indica Group]
Oryza_sativa_newGene_566	up	Os02g0166501 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_604	up	Os02g0205100, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_621	down	Os04g0564300, partial [Oryza sativa Japonica Group]

Oryza_sativa_newGene_676	down	Os01g0302800, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_733	down	PREDICTED: uncharacterized protein LOC107281863 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_759	up	Os02g0452850, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_826	down	DNA binding protein-like [Oryza sativa Japonica Group]
Oryza_sativa_newGene_845	down	Os02g0566000, partial [Oryza sativa Japonica Group]
Oryza_sativa_newGene_854	down	PREDICTED: uncharacterized protein LOC107281285 [Oryza sativa Japonica Group]
Oryza_sativa_newGene_862	down	--
Oryza_sativa_newGene_924	down	--
