

**Supplemental Table S4. List of Resistance (R) genes and defense-related genes identified in the genome of *COPEMAR9*. The DRAGO2 pipeline was used on the predicted proteome to identify and classify Resistance (R) and defense regulator genes. In red, blast resistance (P) genes. CC-NBS-LRR, Collected Nucleotide-Binding Site-Leucine-Rich Repeat; TM, transmembrane.**

Locus	Assignment Variants	Assignment Similarity	Resistance Gene Class	Japonica Locus	Indica Locus	Description
maker-8-augustus-gene-60.8-mRNA-1	Indica	Indica	CC-Kinase-LRR-TM	Os08g0201700	OsR498G0815385700.01.T13	Non-specific serine/threonine protein kinase
augustus_masked-3-processed-gene-134.57-mRNA-1	Japonica	NA	CC-Kinase-LRR-TM	Os10g0513700	OsR498G110988800.01.T01	LRR receptor-like serine/threonine protein kinase
maker-3-augustus-gene-102.2-mRNA-1	Japonica	Indica	CC-Kinase-LRR-TM	Os03g0297800	OsR498G0305757700.01.T01	Probably inactive leucine-rich repeat receptor-like protein kinase IMK2
maker-4-augustus-gene-70.0-mRNA-1	Japonica	Japonica	CC-Kinase-LRR-TM	Os04g0291900	OsR498G0510192800.01.T08	Non-specific serine/threonine protein kinase
maker-9-augustus-gene-154.29-mRNA-1	Japonica	Japonica	CC-Kinase-LRR-TM	Os07g0423000	OsR498G0917480300.01.T01	putative leucine-rich repeat receptor-like serine/threonine protein kinase At2g24130
maker-8-augustus-gene-60.8-mRNA-1	NA	Indica	CC-Kinase-LRR-TM	Os08g0201700	OsR498G0815385700.01.T13	Non-specific serine/threonine protein kinase
maker-9-augustus-gene-154.29-mRNA-1	NA	Japonica	CC-Kinase-LRR-TM	Os07g0423000	OsR498G0917480300.01.T01	putative leucine-rich repeat receptor-like serine/threonine protein kinase At2g24130
augustus-1-processed-gene-8.0-mRNA-1	Indica	Indica	CC-Kinase-TM	Os11g0113350	OsR498G100044500.01.T01	Putative receptor serine/threonine kinase PRK3
maker-10-augustus-gene-1.0-mRNA-1	Indica	Indica	CC-Kinase-TM	Os10g1005000	OsR498G1017994900.01.T04	E3 ubiquitin ligase
maker-10-augustus-gene-61.19-mRNA-1	Indica	NA	CC-Kinase-TM	Os03g0251700	OsR498G0305588100.01.T01	Receptor-like serine/threonine protein kinase
maker-11-augustus-gene-247.0-mRNA-1	Indica	NA	CC-Kinase-TM	0	0	S-receptor kinase-like protein 1-like
maker-4-augustus-gene-125.39-mRNA-1	Indica	NA	CC-Kinase-TM	0	0	Jacalin-like lectin domain containing protein
augustus-1-processed-gene-151.21-mRNA-1	Japonica	Indica	CC-Kinase-TM	Os01g0364400	OsR498G0100957400.01.T01	Wall-associated receptor kinase 3
augustus-11-processed-gene-8.94-mRNA-1	Japonica	NA	CC-Kinase-TM	Os11g0132900	OsR498G1119371300.01.T01	Non-specific serine/threonine protein kinase
augustus-2-processed-gene-257.1-mRNA-1	Japonica	Japonica	CC-Kinase-TM	Os02g0263300	OsR498G0204350900.01.T01	Phosphoenolpyruvate carboxylase kinase
augustus-8-processed-gene-86.28-mRNA-1	Japonica	Japonica	CC-Kinase-TM	Os08g0230800	OsR498G0815488100.01.T01	Non-specific serine/threonine protein kinase
augustus_masked-11-processed-gene-244.4-mRNA-1	Japonica	NA	CC-Kinase-TM	Os11g0664000	OsR498G1120691000.01.T01	L-type lectin domain-containing receptor kinase IX.1
augustus_masked-3-processed-gene-142.65-mRNA-1	Japonica	NA	CC-Kinase-TM	Os10g0548300	OsR498G101746000.01.T06	E3 ubiquitin ligase
augustus_masked-3-processed-gene-405.19-mRNA-1	Japonica	NA	CC-Kinase-TM	Os03g0367800	OsR498G030678500.01.T01	Serine/threonine protein kinase blus1
augustus_masked-5-processed-gene-151.20-mRNA-1	Japonica	Japonica	CC-Kinase-TM	Os05g0317900	OsR498G0510480600.01.T01	Receptor-like protein kinase FERONIA
augustus_masked-5-processed-gene-168.18-mRNA-1	Japonica	NA	CC-Kinase-TM	0	0	Receptor-like protein kinase FERONIA
augustus_masked-5-processed-gene-197.3-mRNA-1	Japonica	NA	CC-Kinase-TM	Os05g0387600	OsR498G0510577100.01.T01	serine/threonine protein kinase-like protein At3g51990
maker-1-augustus-gene-232.7-mRNA-1	Japonica	NA	CC-Kinase-TM	Os10g0581400	OsR498G101403700.01.T01	Lycopene epsilon cyclase, Chloroplastic
maker-1-augustus-gene-307.56-mRNA-1	Japonica	Indica	CC-Kinase-TM	Os10g0758800	OsR498G101528500.01.T01	Protein kinase-like domain 'Cofactormer beta' subunit (COPB2), WD40 repeat, conserved site
maker-11-augustus-gene-22.57-mRNA-1	Japonica	NA	CC-Kinase-TM	Os11g0160300	OsR498G1119462200.01.T01	Probable serine/threonine protein kinase WNK6
maker-11-augustus-gene-244.53-mRNA-1	Japonica	Japonica	CC-Kinase-TM	Os11g0666200	OsR498G1120691200.01.T01	Protein kinase domain-containing protein
maker-11-augustus-gene-250.32-mRNA-1	Japonica	Indica	CC-Kinase-TM	Os12g0562500	OsR498G1120719100.01.T01	Serine/threonine protein kinase CRT1
maker-11-augustus-gene-52.53-mRNA-1	Japonica	NA	CC-Kinase-TM	Os11g0274300	OsR498G1119797800.01.T03	Protein kinase domain containing protein, expressed
maker-12-augustus-gene-97.8-mRNA-1	Japonica	Japonica	CC-Kinase-TM	Os12g0265900	OsR498G1221251800.01.T01	Wall-associated receptor kinase 2
maker-2-augustus-gene-216.1-mRNA-1	Japonica	NA	CC-Kinase-TM	Os02g0559300	OsR498G0204120100.01.T02	Putative serine/threonine protein kinase
maker-2-augustus-gene-278.7-mRNA-1	Japonica	NA	CC-Kinase-TM	0	0	E3 ubiquitin ligase
maker-2-augustus-gene-278.7-mRNA-1	Japonica	NA	CC-Kinase-TM	OsR498G0204478700.01.T01	0	E3 ubiquitin ligase
maker-2-augustus-gene-319.34-mRNA-1	Japonica	Indica	CC-Kinase-TM	Os02g0743500	OsR498G0204756500.01.T01	Serine/threonine protein kinase CRT1
maker-2-augustus-gene-371.0-mRNA-1	Japonica	NA	CC-Kinase-TM	Os02g0787200	OsR498G0204950900.01.T01	Serine/threonine protein kinase
maker-2-augustus-gene-373.1-mRNA-1	Japonica	Indica	CC-Kinase-TM	Os02g0791700	OsR498G0204919500.01.T02	Serine/threonine protein kinase BLUS1
maker-2-augustus-gene-47.47-mRNA-1	Japonica	Indica	CC-Kinase-TM	Os02g0218400	OsR498G0203227800.01.T01	E3 ubiquitin ligase
maker-2-augustus-gene-67.58-mRNA-1	Japonica	NA	CC-Kinase-TM	Os02g0218400	OsR498G0203227700.01.T01	U-box domain-containing protein 52
maker-3-augustus-gene-143.72-mRNA-1	Japonica	NA	CC-Kinase-TM	Os10g0548700	OsR498G1019141000.01.T03	E3 ubiquitin ligase
maker-3-augustus-gene-214.43-mRNA-1	Japonica	Japonica	CC-Kinase-TM	Os03g0424000	OsR498G0306240800.01.T02	E3 ubiquitin ligase
maker-3-augustus-gene-446.22-mRNA-1	Japonica	NA	CC-Kinase-TM	Os03g0749800	OsR498G0307052200.01.T02	Serine/threonine protein kinase TOUSLED
maker-3-augustus-gene-492.41-mRNA-1	Japonica	NA	CC-Kinase-TM	Os03g0841100	OsR498G0307348200.01.T01	Wall-associated receptor kinase 3
maker-3-augustus-gene-57.74-mRNA-1	Japonica	NA	CC-Kinase-TM	Os03g0289100	OsR498G0305728500.01.T01	Serine/threonine protein kinase CSK4
maker-4-augustus-gene-125.39-mRNA-1	Japonica	NA	CC-Kinase-TM	0	0	Jacalin-like lectin domain containing protein
maker-4-augustus-gene-277.10-mRNA-1	Japonica	Japonica	CC-Kinase-TM	Os04g0651500	OsR498G0409395900.01.T01	Wall-associated receptor kinase 3
maker-5-augustus-gene-152.30-mRNA-1	Japonica	Indica	CC-Kinase-TM	Os05g0318100	OsR498G0510478100.01.T01	Wall-associated receptor kinase-like protein 20
maker-6-augustus-gene-165.11-mRNA-1	Japonica	NA	CC-Kinase-TM	Os06g0484400	OsR498G0612365700.01.T01	Kinase superfamily protein isoform 1
maker-6-augustus-gene-47.64-mRNA-1	Japonica	Indica	CC-Kinase-TM	Os06g0781200	OsR498G0615757800.01.T01	U-box domain-containing protein 35-like isoform X2
maker-7-augustus-gene-194.31-mRNA-1	Japonica	NA	CC-Kinase-TM	Os07g0515100	OsR498G0714421000.01.T03	Calcium-dependent protein kinase
maker-7-augustus-gene-207.55-mRNA-1	Japonica	Indica	CC-Kinase-TM	Os07g0538400	OsR498G0714507100.01.T01	Cysteine-rich receptor-like protein kinase 6
maker-8-augustus-gene-16.13-mRNA-1	Japonica	Indica	CC-Kinase-TM	Os08g0125800	OsR498G0815100800.01.T01	Putative receptor-type protein kinase LRK1
maker-8-augustus-gene-7.53-mRNA-1	Japonica	NA	CC-Kinase-TM	Os08g0112500	OsR498G0815061000.01.T02	Putative serine/threonine protein kinase
maker-8-augustus-gene-83.40-mRNA-1	Japonica	NA	CC-Kinase-TM	Os08g0236800	0	Non-specific serine/threonine protein kinase
maker-8-augustus-gene-121.0-mRNA-1	Japonica	NA	CC-Kinase-TM	Os09g0381300	OsR498G0917329300.01.T03	Allicin-activated protein kinase kinase NPK1
maker-9-augustus-gene-165.57-mRNA-1	Japonica	NA	CC-Kinase-TM	Os09g0442100	OsR498G0917547800.01.T01	Serine/threonine protein kinase RPK
maker-9-augustus-gene-166.8-mRNA-1	Japonica	NA	CC-Kinase-TM	0	0	Serine/threonine protein kinase
maker-9-augustus-gene-224.23-mRNA-1	Japonica	NA	CC-Kinase-TM	Os09g0561600	OsR498G0917952300.01.T01	Wall-associated receptor kinase 3
maker-9-augustus-gene-228.28-mRNA-1	Japonica	NA	CC-Kinase-TM	Os09g0569800	OsR498G0917973100.01.T01	E3 ubiquitin ligase
maker-9-augustus-gene-229.9-mRNA-1	Japonica	Indica	CC-Kinase-TM	Os09g0570000	OsR498G0917973500.01.T05	E3 ubiquitin ligase
maker-9-augustus-gene-229.9-mRNA-1	Japonica	Indica	CC-Kinase-TM	Os09g0570100	OsR498G0917973700.01.T02	U-box domain-containing protein 33
augustus-8-processed-gene-86.28-mRNA-1	NA	Japonica	CC-Kinase-TM	Os08g0230800	OsR498G0815488100.01.T01	Non-specific serine/threonine protein kinase
augustus_masked-1-processed-gene-502.62-mRNA-1	NA	NA	CC-Kinase-TM	0	0	Non-specific serine/threonine protein kinase
augustus_masked-11-processed-gene-244.4-mRNA-1	NA	NA	CC-Kinase-TM	0	0	L-type lectin domain-containing receptor kinase IX.1
augustus_masked-4-processed-gene-127.3-mRNA-1	NA	Indica	CC-Kinase-TM	Os04g0371700	OsR498G0408350000.01.T01	Wall-associated receptor kinase 3
augustus_masked-5-processed-gene-168.18-mRNA-1	NA	NA	CC-Kinase-TM	0	0	Receptor-like protein kinase FERONIA
maker-1-augustus-gene-500.4-mRNA-1	NA	NA	CC-Kinase-TM	Os01g0958000	OsR498G0102734300.01.T01	Cyclin-dependent kinase
maker-10-augustus-gene-61.19-mRNA-1	NA	NA	CC-Kinase-TM	Os03g0251700	OsR498G0305588100.01.T01	Receptor-like serine/threonine protein kinase
maker-11-augustus-gene-243.0-mRNA-1	NA	NA	CC-Kinase-TM	Os11g0664000	OsR498G1120691000.01.T01	Serine/threonine protein kinase (Fragment)
maker-11-augustus-gene-243.1-mRNA-1	NA	Indica	CC-Kinase-TM	Os11g0664000	OsR498G1120691200.01.T01	Putative receptor-like protein kinase FERONIA (Fragment)
maker-11-augustus-gene-247.0-mRNA-1	NA	NA	CC-Kinase-TM	0	0	S-receptor kinase-like protein 1-like
maker-11-augustus-gene-250.32-mRNA-1	NA	NA	CC-Kinase-TM	Os12g0562500	OsR498G1120719100.01.T01	Serine/threonine protein kinase CRT1
maker-2-augustus-gene-233.0-mRNA-1	NA	Indica	CC-Kinase-TM	Os02g0591900	OsR498G0204217300.01.T05	Serine/threonine protein kinase
maker-2-augustus-gene-29.8-mRNA-1	NA	NA	CC-Kinase-TM	Os02g0152300	OsR498G0202986300.01.T01	Cyclophilin-like peptidyl-prolyl cis-trans isomerase family protein isoform 1
maker-3-augustus-gene-117.71-mRNA-1	NA	NA	CC-Kinase-TM	Os03g0101200	OsR498G0305069200.01.T01	E3 ubiquitin ligase
maker-3-augustus-gene-121.13-mRNA-1	NA	NA	CC-Kinase-TM	Os10g0561500	OsR498G1019194900.01.T01	E3 ubiquitin ligase
maker-3-augustus-gene-134.63-mRNA-1	NA	NA	CC-Kinase-TM	Os06g0133800	OsR498G06130519900.01.T01	Serine/threonine protein kinase BSK1
maker-6-augustus-gene-21.9-mRNA-1	NA	NA	CC-Kinase-TM	Os06g0140800	OsR498G0611602200.01.T02	E3 ubiquitin ligase
maker-6-augustus-gene-32.42-mRNA-1	NA	NA	CC-Kinase-TM	Os06g0163000	OsR498G0611673200.01.T03	E3 ubiquitin ligase
maker-6-augustus-gene-70.35-mRNA-1	NA	Indica	CC-Kinase-TM	Os06g0232100	OsR498G0611940400.01.T04	Serine/threonine protein kinase CRT1
maker-7-augustus-gene-194.31-mRNA-1	NA	NA	CC-Kinase-TM	Os07g0515100	OsR498G0714421000.01.T03	Calcium-dependent protein kinase
maker-8-augustus-gene-215.52-mRNA-1	Indica	NA	CC-Kinase-TM P133	Os08g0421800	OsR498G0816100400.01.T01	Phenylalanine lyase resistance-330, P133 R gene
maker-3-augustus-gene-127.7-mRNA-1	Japonica	CC-LRR	CC-LRR	Os06g012300	OsR498G0612925500.01.T03	Plant intracellular Ras-group-related LRR protein 5
maker-4-augustus-gene-185.12-mRNA-1	Japonica	Indica	CC-LRR	Os04g0476700	OsR498G0408763900.01.T01	Plant intracellular Ras-group-related LRR protein 3
maker-11-augustus-gene-228.6-mRNA-1	Japonica	NA	CC-LRR-NBS	Os11g0604600	OsR498G1120631300.01.T01	Blast resistance protein P154 variant (Fragment)
maker-9-augustus-gene-202.37-mRNA-1	Japonica	NA	CC-LRR-NBS	OsR498G0917802800.01.T01	0	Pib variant protein (Fragment)
augustus-11-processed-gene-229.9-mRNA-1	NA	NA	CC-LRR-NBS	Os11g0604700	OsR498G1120614900.01.T02	Leucine Rich Repeat family protein, expressed
augustus_masked-11-processed-gene-83.18-mRNA-1	Indica	NA	CC-LRR-NBS-TM	0	0	NBS-LRR type protein (Fragment)
maker-10-augustus-gene-144.32-mRNA-1	Indica	NA	CC-LRR-NBS-TM	Os04g0111900	OsR498G0407452000.01.T01	Putative NB-ARC domain-containing protein (Fragment)
maker-11-augustus-gene-248.27-mRNA-1	Indica	NA	CC-LRR-NBS-TM	Os11g0677101	OsR498G1120709900.01.T01	Putative nucleotide-binding leucine-rich-repeat protein 1
maker-11-augustus-gene-83.3-mRNA-1	Indica	Japonica	CC-LRR-NBS-TM	Os11g0227100	OsR498G1119648000.01.T02	NBS-LRR type resistance protein (Fragment)
maker-8-augustus-gene-210.50-mRNA-1	Indica	NA	CC-LRR-NBS-TM	OsR498G0816075400.01.T01	0	Disease resistance protein RPM1
maker-8-augustus-gene-53.54-mRNA-1	Indica	Japonica	CC-LRR-NBS-TM	Os08g0190300	OsR498G0815343400.01.T01	0
augustus-11-processed-gene-190.33-mRNA-1	Japonica	Japonica	CC-LRR-NBS-TM	Os11g0515100	OsR498G1120539900.01.T01	Disease resistance protein RPM1
augustus-11-processed-gene-49.13-mRNA-1	NA	NA	CC-LRR-NBS-TM	Os11g0277000	OsR498G1119789300.01.T01	NB-ARC domain, putative
augustus-12-processed-gene-182.13-mRNA-1	Japonica	Indica	CC-LRR-NBS-TM	Os12g0477100	OsR498G1221588100.01.T01	NB-ARC domain containing protein, expressed
augustus-2-processed-gene-154.19-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	Os02g0456800	OsR498G0203724300.01.T01	Putative NB-ARC domain-containing protein (Fragment)
augustus-2-processed-gene-51.36-mRNA-1	Japonica	Japonica	CC-LRR-NBS-TM	Os02g0191000	OsR498G0203022300.01.T01	Disease resistance protein RPM1
augustus-4-processed-gene-192.20-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	Os04g0491100	OsR498G0408811900.01.T02	Disease resistance RPP13-like protein 4
augustus_masked-11-processed-gene-219.12-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	Os11g0623800	OsR498G1120528900.01.T02	Putative nucleotide-binding leucine-rich-repeat protein 1
augustus_masked-11-processed-gene-228.29-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	Os11g0640000	OsR498G1120611600.01.T01	Leucine Rich Repeat family protein, expressed
augustus_masked-11-processed-gene-57.10-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	0	0	Putative nucleotide-binding leucine-rich-repeat protein 1
augustus_masked-11-processed-gene-83.18-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	0	0	NBS-LRR type protein (Fragment)
augustus_masked-3-processed-gene-148.50-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	Os03g0324600	OsR498G0305854800.01.T01	NB-ARC domain containing protein, expressed
augustus_masked-5-processed-gene-253.1-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	0	0	NBS-LRR type resistance protein (Fragment)
augustus_masked-5-processed-gene-253.10-mRNA-1	Japonica	Japonica	CC-LRR-NBS-TM	Os05g0492400	OsR498G0511090900.01.T01	NBS-LRR type resistance protein (Fragment)
maker-1-augustus-gene-133.42-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	Os10g0335700	OsR498G100857600.01.T01	Putative NB-ARC domain-containing protein (Fragment)
maker-10-augustus-gene-167.5-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	Os10g0474500	OsR498G1018892300.01.T01	Putative disease resistance protein RGA3
maker-11-augustus-gene-199.40-mRNA-1	Japonica	Indica	CC-LRR-NBS-TM	Os11g0509000	OsR498G1120403700.01.T02	Putative CC-NBS-LRR resistance protein MLA13
maker-11-augustus-gene-248.27-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	Os11g0677101	OsR498G1120709900.01.T01	Putative nucleotide-binding leucine-rich-repeat protein 1
maker-11-augustus-gene-55.8-mRNA-1	Japonica	Japonica	CC-LRR-NBS-TM	Os11g0235800	OsR498G1119734000.01.T01	NB-ARC domain, putative
maker-11-augustus-gene-83.3-mRNA-1	Japonica	Japonica	CC-LRR-NBS-TM	Os11g0227100	OsR498G1119648000.01.T02	NBS-LRR type resistance protein (Fragment)
maker-11-augustus-gene-87.36-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	Os11g0237900	OsR498G1119671300.01.T01	Putative disease resistance RPP13-like protein 3
maker-12-augustus-gene-235.0-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	Os12g0565200	OsR498G1221893900.01.T01	NB-ARC domain containing protein, expressed
maker-3-augustus-gene-100.35-mRNA-1	Japonica	Indica	CC-LRR-NBS-TM	Os02g0272900	OsR498G0203396700.01.T01	AAA domain-containing protein
maker-2-augustus-gene-115.5-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	0	0</	

maker-8-augustus-gene-53.54-mRNA-1	NA	Japonica	CC-LRR-NBS-TM	Os08g0190300	OsR498G0815343400.01.T01	
maker-8-augustus-gene-284.4-mRNA-1	Japonica	NA	CC-LRR-NBS-TM	Os08g0539700	OsR498G0816548900.01.T01	Brown planthopper resistance protein BPH1/9 (PIB48)
maker-2-augustus-gene-391.32-mRNA-1	Japonica	NA	CC-LRR-TM	Os02g0546600	OsR498G0205039000.01.T01	Plant intracellular Ras-group-related LRR protein 9
augustus-12-processed-gene-68.17-mRNA-1	NA	Japonica	CC-LRR-TM	Os12g0229200	OsR498G1221134900.01.T01	Lucine Rich Repeat family protein, expressed
augustus-11-processed-gene-204.32-mRNA-1	Japonica	Japonica	CC-NBS	Os11g0598500	OsR498G1120448400.01.T01	Lucine Rich Repeat family protein, expressed
augustus_masked-10-processed-gene-18.40-mRNA-1	Japonica	Japonica	CC-NBS	Os10g0124300	OsR498G1018071200.01.T02	Disease resistance protein RPPM1
augustus_masked-11-processed-gene-245.11-mRNA-1	Japonica	NA	CC-NBS	Os11g0668000	OsR498G1120693800.01.T01	Putative NBS-LRR class RGA
maker-2-augustus-gene-215.4-mRNA-1	Japonica	NA	CC-NBS		OsR498G020486500.01.T01	
maker-8-augustus-gene-72.8-mRNA-1	Japonica	NA	CC-NBS		OsR498G0815537800.01.T03	Disease resistance protein RPP13
maker-4-augustus-gene-85.2-mRNA-1	NA	NA	CC-NBS	0	OsR498G0408112900.01.T01	Putative NBS-LRR class RGA
maker-8-augustus-gene-92.8-mRNA-1	NA	NA	CC-NBS	0	OsR498G0815527800.01.T03	Disease resistance protein RPP13
augustus-11-processed-gene-252.13-mRNA-1	Indica	NA	CC-NBS-TM	Os10g0684200	OsR498G1120731300.01.T01	NB-ARC domain containing protein, expressed
augustus-7-processed-gene-198.23-mRNA-1	Indica	NA	CC-NBS-TM	Os07g0521800	OsR498G0714451300.01.T01	Putative resistance complex protein I2C-2
augustus_masked-4-processed-gene-29.12-mRNA-1	Indica	Japonica	CC-NBS-TM	Os04g0219600	OsR498G1119454400.01.T01	NBS-LRR type protein (Fragment)
augustus_masked-5-processed-gene-213.32-mRNA-1	Indica	NA	CC-NBS-TM		OsR498G0510842500.01.T01	Putative disease resistance RPP13-like protein 1
augustus_masked-8-processed-gene-33.2-mRNA-1	Indica	NA	CC-NBS-TM		OsR498G0815208900.01.T01	NB-ARC domain containing protein, expressed
maker-1-augustus-gene-94.39-mRNA-1	Indica	NA	CC-NBS-TM	Os10g0269500	OsR498G0100629900.01.T03	Putative NBS type P protein
maker-11-augustus-gene-149.39-mRNA-1	Indica	NA	CC-NBS-TM			Putative NBS-LRR type disease resistance protein
maker-4-augustus-gene-86.32-mRNA-1	Indica	NA	CC-NBS-TM		OsR498G0408112900.01.T01	Putative NBS-LRR class RGA
maker-6-augustus-gene-102.41-mRNA-1	Indica	NA	CC-NBS-TM			
augustus-11-processed-gene-235.26-mRNA-1	Japonica	NA	CC-NBS-TM	Os11g0652100	OsR498G1120654000.01.T01	Disease resistance protein RPPM1
augustus-11-processed-gene-237.18-mRNA-1	Japonica	NA	CC-NBS-TM	Os11g0655300	OsR498G1120667300.01.T01	NB-ARC domain containing protein, expressed
augustus-12-processed-gene-57.3-mRNA-1	Japonica	NA	CC-NBS-TM	Os12g0204700	OsR498G1221079900.01.T01	NB-ARC domain containing protein, expressed
augustus-4-processed-gene-182.0-mRNA-1	Japonica	Japonica	CC-NBS-TM	Os04g0470500	OsR498G0408741100.01.T01	Disease resistance protein RPS2
augustus-4-processed-gene-262.14-mRNA-1	Japonica	Japonica	CC-NBS-TM	Os04g0621750	OsR498G04097301900.01.T01	Disease resistance protein RGA2
augustus-9-processed-gene-284.21-mRNA-1	Japonica	NA	CC-NBS-TM	Os08g0545100		Putative NBS-LRR resistance protein RGH1
augustus_masked-1-processed-gene-341.24-mRNA-1	Japonica	NA	CC-NBS-TM	Os10g0788500	OsR498G102125800.01.T03	Disease resistance protein RPS2
augustus_masked-1-processed-gene-488.23-mRNA-1	Japonica	Japonica	CC-NBS-TM	Os01g0937300	OsR498G0102662000.01.T03	Disease resistance protein RGA2
augustus_masked-10-processed-gene-144.26-mRNA-1	Japonica	NA	CC-NBS-TM			NBS-LRR resistant protein (Fragment)
augustus_masked-11-processed-gene-203.21-mRNA-1	Japonica	NA	CC-NBS-TM	Os11g0598300	OsR498G1120448400.01.T01	Lucine Rich Repeat family protein, expressed
augustus_masked-11-processed-gene-211.3-mRNA-1	Japonica	NA	CC-NBS-TM	Os11g0697700	OsR498G1120489600.01.T01	Disease resistance protein RPPM1
augustus_masked-11-processed-gene-234.22-mRNA-1	Japonica	NA	CC-NBS-TM	Os11g0655300		NBS-LRR type resistance protein-like
augustus_masked-11-processed-gene-237.27-mRNA-1	Japonica	NA	CC-NBS-TM	Os11g0654800	OsR498G1120665400.01.T01	Disease resistance protein RPPM1
augustus_masked-11-processed-gene-239.33-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G1120676400.01.T02	Putative disease resistance RPP8-like protein 2
augustus_masked-11-processed-gene-82.26-mRNA-1	Japonica	Indica	CC-NBS-TM	Os11g0226933	OsR498G1119644200.01.T01	NBS-LRR type protein (Fragment)
augustus_masked-12-processed-gene-100.23-mRNA-1	Japonica	NA	CC-NBS-TM			NBS-LRR type disease resistance protein, putative
augustus_masked-12-processed-gene-102.18-mRNA-1	Japonica	NA	CC-NBS-TM	Os12g0273000	OsR498G1221277200.01.T02	Disease resistance protein RPPM1
augustus_masked-12-processed-gene-50.21-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G1221076200.01.T01	Disease resistance protein RPPM1
augustus_masked-12-processed-gene-59.18-mRNA-1	Japonica	NA	CC-NBS-TM			Disease resistance protein RGA2
augustus_masked-6-processed-gene-234.17-mRNA-1	Japonica	Japonica	CC-NBS-TM	Os06g0594200	OsR498G0612874800.01.T01	Putative disease resistance RPP13-like protein 1
augustus_masked-8-processed-gene-4.18-mRNA-1	Japonica	Japonica	CC-NBS-TM	Os08g0107000	OsR498G0815041300.01.T01	Disease resistance protein RPP13
maker-1-augustus-gene-147.35-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G100948800.01.T01	Powdery mildew resistance protein PM3 variant
maker-1-augustus-gene-192.35-mRNA-1	Japonica	NA	CC-NBS-TM	Os11g0552900	OsR498G0101314400.01.T02	Slight resistance protein RGA1-like protein
maker-1-augustus-gene-482.51-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G0102617400.01.T01	Disease resistance protein RPP13
maker-1-augustus-gene-488.70-mRNA-1	Japonica	NA	CC-NBS-TM	Os01g0937400	OsR498G0102663200.01.T06	Disease resistance protein RGA2
maker-10-augustus-gene-139.30-mRNA-1	Japonica	NA	CC-NBS-TM	Os12g0246700	OsR498G0407486900.01.T01	NB-ARC domain containing protein, expressed
maker-10-augustus-gene-222.27-mRNA-1	Japonica	NA	CC-NBS-TM	Os10g0131901	OsR498G1018095000.01.T01	Disease resistance protein Plm2-T5
maker-10-augustus-gene-234-mRNA-1	Indica	NA	CC-NBS-TM	Os08g03108100	OsR498G0810181100.01.T01	Disease resistance protein RPPM1
maker-11-augustus-gene-142.46-mRNA-1	Japonica	NA	CC-NBS-TM	Os11g0479100	OsR498G1120143800.01.T02	NB-ARC domain, putative
maker-11-augustus-gene-149.40-mRNA-1	Japonica	NA	CC-NBS-TM	Os11g0493700		NB-ARC domain containing protein, expressed
maker-11-augustus-gene-150.0-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G1120176700.01.T01	NBS-LRR type resistance protein (Fragment)
maker-11-augustus-gene-150.2-mRNA-1	Japonica	NA	CC-NBS-TM	Os11g0495032		NB-ARC domain containing protein, expressed
maker-11-augustus-gene-165.14-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G1120249800.01.T02	NBS-LRR-like resistance protein (Fragment)
maker-11-augustus-gene-180.2-mRNA-1	Japonica	NA	CC-NBS-TM		Os11g0551700	Disease resistance protein RPPM1
maker-11-augustus-gene-181.30-mRNA-1	Japonica	NA	CC-NBS-TM			Rust resistance protein RPP1-D homolog
maker-11-augustus-gene-199.35-mRNA-1	Japonica	Japonica	CC-NBS-TM	Os11g0590700	OsR498G1120430700.01.T02	Putative CC-NBS-LRR resistance protein MLA13
maker-11-augustus-gene-199.37-mRNA-1	Japonica	NA	CC-NBS-TM	Os11g0590900	OsR498G1120430300.01.T01	NB-ARC domain containing protein, expressed
maker-11-augustus-gene-222.39-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G1120562500.01.T05	Disease resistance protein RPPM1
maker-11-augustus-gene-260.0-mRNA-1	Japonica	Japonica	CC-NBS-TM	Os11g0699100	OsR498G1120573300.01.T01	Disease resistance protein RPP13
maker-11-augustus-gene-42.0-mRNA-1	NA	NA	CC-NBS-TM			NB-ARC domain, putative
maker-11-augustus-gene-61.35-mRNA-1	Japonica	Japonica	CC-NBS-TM	Os11g0249000	OsR498G1119714500.01.T01	Disease resistance protein RPPM1
maker-11-augustus-gene-75.20-mRNA-1	Japonica	NA	CC-NBS-TM	Os11g0213800	OsR498G1119615600.01.T05	NBS-LRR type protein (Fragment)
maker-11-augustus-gene-82.6-mRNA-1	Japonica	Indica	CC-NBS-TM	Os11g0226700	OsR498G1119646100.01.T02	NBS-LRR type protein (Fragment)
maker-11-augustus-gene-82.8-mRNA-1	Japonica	NA	CC-NBS-TM			Protein kinase domain-containing protein
maker-12-augustus-gene-102.0-mRNA-1	Japonica	Japonica	CC-NBS-TM	Os12g0273266	OsR498G1221272600.01.T01	Disease resistance protein RPPM1, putative, expressed
maker-12-augustus-gene-102.3-mRNA-1	Japonica	NA	CC-NBS-TM			NB-ARC domain containing protein, expressed
maker-12-augustus-gene-189.12-mRNA-1	Japonica	Japonica	CC-NBS-TM	Os12g0485900	OsR498G1221625000.01.T01	NB-ARC domain, putative
maker-12-augustus-gene-196.0-mRNA-1	Japonica	NA	CC-NBS-TM	Os12g0495600	OsR498G1221658200.01.T01	Putative CC-NBS-LRR resistance protein MLA13
maker-12-augustus-gene-206.31-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G1221703800.01.T01	NB-ARC domain containing protein, expressed
maker-12-augustus-gene-206.34-mRNA-1	Japonica	Indica	CC-NBS-TM	Os12g0511400	OsR498G1221704000.01.T02	NB-ARC domain containing protein, expressed
maker-12-augustus-gene-231.39-mRNA-1	Japonica	NA	CC-NBS-TM	Os12g0529500	OsR498G1221874800.01.T01	Disease resistance protein RPP13
maker-12-augustus-gene-234.75-mRNA-1	Japonica	CC-NBS-TM	CC-NBS-TM	Os12g0555100	OsR498G1221893300.01.T01	NB-ARC domain containing protein, expressed
maker-12-augustus-gene-53.41-mRNA-1	Japonica	Indica	CC-NBS-TM	Os09g0517200	OsR498G1221092300.01.T02	Disease resistance protein RPPM1
maker-2-augustus-gene-105.32-mRNA-1	Japonica	Japonica	CC-NBS-TM	Os02g0281800	OsR498G0203420100.01.T02	Disease resistance protein RGA2
maker-2-augustus-gene-117.50-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G0203501200.01.T03	LZ-NBS-LRR class RGA
maker-2-augustus-gene-130.6-mRNA-1	Japonica	NA	CC-NBS-TM	Os02g0325100	OsR498G0203583700.01.T01	26S proteasome regulatory subunit 68 homolog
maker-2-augustus-gene-182.38-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G0203882300.01.T01	CC-NBS-LRR type disease resistance protein NL2-V-2
maker-2-augustus-gene-216.0-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G0204117300.01.T01	Disease resistance protein RPPM1
maker-2-augustus-gene-58.42-mRNA-1	Japonica	NA	CC-NBS-TM	Os02g0203500	OsR498G0203179000.01.T01	NB-ARC domain-containing protein (Fragment)
maker-3-augustus-gene-106.29-mRNA-1	Japonica	NA	CC-NBS-TM	Os03g0306400	OsR498G0305788600.01.T02	Pon protease, mitochondrial
maker-3-augustus-gene-285.44-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G0203583700.01.T01	Putative disease resistance protein RGA3
maker-3-augustus-gene-495.19-mRNA-1	Japonica	Indica	CC-NBS-TM	Os03g0489700	OsR498G0307368200.01.T01	Powdery mildew resistance protein PM3 variant
maker-3-augustus-gene-85.63-mRNA-1	Japonica	Indica	CC-NBS-TM	Os03g0244800	OsR498G0305631400.01.T02	AAA domain-containing protein (Fragment)
maker-4-augustus-gene-244.7-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G0409181900.01.T01	Multidrug resistance-associated protein/mitoxantone resistance protein, ABC superfamily
maker-4-augustus-gene-262.49-mRNA-1	Japonica	NA	CC-NBS-TM			Disease resistance protein RGA2
maker-4-augustus-gene-102.41-mRNA-1	Japonica	NA	CC-NBS-TM			NBS-LRR
maker-7-augustus-gene-173.0-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G0714309200.01.T01	Putative NB-ARC domain-containing protein (Fragment)
maker-8-augustus-gene-123.5-mRNA-1	Japonica	NA	CC-NBS-TM	Os08g0293300	OsR498G0815678400.01.T02	Disease resistance protein RPPM1
maker-8-augustus-gene-284.17-mRNA-1	Japonica	Japonica	CC-NBS-TM	Os08g0539400	OsR498G0816548800.01.T01	Resistance protein RGA2
maker-8-augustus-gene-45.38-mRNA-1	Japonica	NA	CC-NBS-TM		OsR498G0815299900.01.T02	Putative CC-NBS-LRR resistance protein MLA13
maker-8-augustus-gene-63.0-mRNA-1	Japonica	Japonica	CC-NBS-TM	Os08g0205100	OsR498G0815390700.01.T01	CC-NBS-LRR type disease resistance protein NL1-V
maker-8-augustus-gene-63.1-mRNA-1	Japonica	NA	CC-NBS-TM	Os08g0205150	OsR498G0815390700.01.T02	CC-NBS-LRR type disease resistance protein NL1-V
maker-9-augustus-gene-185.54-mRNA-1	Japonica	Indica	CC-NBS-TM	Os08g0479500	OsR498G081971691400.01.T01	Disease resistance protein RPPM1
maker-9-augustus-gene-202.41-mRNA-1	Japonica	NA	CC-NBS-TM	Os07g0517200	OsR498G0717803000.01.T01	NB-ARC domain-containing protein (Fragment)
maker-9-augustus-gene-57.0-mRNA-1	Japonica	NA	CC-NBS-TM	Os09g0270700	OsR498G0916882900.01.T01	Disease resistance protein RPPM1
augustus-11-processed-gene-194.0-mRNA-1	NA	NA	CC-NBS-TM	Os11g0598300	OsR498G1120448400.01.T01	Lucine Rich Repeat family protein, expressed
augustus-12-processed-gene-53.32-mRNA-1	NA	NA	CC-NBS-TM	Os12g0199100		Putative NB-ARC domain-containing protein (Fragment)
augustus-2-processed-gene-10.1-mRNA-1	NA	NA	CC-NBS-TM			Truncated S21
augustus-2-processed-gene-56.51-mRNA-1	NA	NA	CC-NBS-TM	0	OsR498G0203162900.01.T01	NB-ARC domain-containing protein
augustus-4-processed-gene-182.0-mRNA-1	NA	Japonica	CC-NBS-TM	Os04g0470500	OsR498G0408741100.01.T01	Disease resistance protein RPS2
augustus-4-processed-gene-84.19-mRNA-1	NA	Japonica	CC-NBS-TM	Os04g0312000	OsR498G0612066600.01.T01	Protein kinase domain-containing protein
augustus_masked-10-processed-gene-144.26-mRNA-1	NA	NA	CC-NBS-TM			NBS-LRR resistant protein (Fragment)
augustus_masked-11-processed-gene-203.21-mRNA-1	NA	NA	CC-NBS-TM	Os11g0598300	OsR498G1120448400.01.T01	Lucine Rich Repeat family protein, expressed
augustus_masked-11-processed-gene-211.3-mRNA-1	NA	NA	CC-NBS-TM	Os11g0669700	OsR498G1120489600.01.T01	Disease resistance protein RPPM1
augustus_masked-11-processed-gene-234.22-mRNA-1	NA	NA	CC-NBS-TM	Os11g02213800	OsR498G1119611200.01.T01	NBS-LRR type protein (Fragment)
augustus-11-processed-gene-231.21-mRNA-1	Japonica	Indica	NBS-LRR	Os11g0644700	OsR498G1120631700.01.T01	Disease Resistance protein Pi2 (allele at the P1k locus)
maker-6-augustus-gene-105.9-mRNA-1	Japonica	NA		Os06g0294300	OsR498G0612179200.01.T01	Disease Resistance protein Pi2
augustus_masked-12-processed-gene-276.25-mRNA-1	NA	NA	CC-NBS-TM	Os07g0105900		NB-ARC domain-containing protein
augustus_masked-8-processed-gene-101.5-mRNA-1	NA	NA	CC-NBS-TM	Os08g0261000	OsR498G0815572500.01.T03	NBS type RGA protein (Fragment)
augustus_masked-9-processed-gene-86.16-mRNA-1	NA	NA	CC-NBS-TM	Os09g0308500	OsR498G0912792900.01.T01	Putative nucleotide-binding leucine-rich-repeat protein 1
maker-1-augustus-gene-247.25-mRNA-1	NA	NA	CC-NBS-TM	0		AAA domain-containing protein
maker-1-augustus-gene-411.31-mRNA-1	NA	NA	CC-NBS-TM	0	OsR498G1120729200.01.T01	AAA domain-containing protein
maker-1-augustus-gene-462.16-mRNA-1	NA	NA	CC-NBS-TM	0	OsR498G1120729200.01.T01	AAA domain-containing protein
maker-1-augustus-gene-94.39-mRNA-1	NA	NA	CC-NBS-TM	Os10g0269500	OsR498G0100629900.01.T03	Putative NBS type P protein
maker-1-augustus-gene-94.49-mRNA-1	NA	NA	CC-NBS-TM	Os10g0269800	OsR498G0100631100.01.T01	NBS-LRR type disease resistance protein-like
maker-10-augustus-gene-149.39-mRNA-1	NA	Indica	CC-NBS-TM	Os10g0269800	OsR498G0100631100.01.T01	Putative NB-ARC domain-containing protein (Fragment)
maker-10-augustus-gene-139.30-mRNA-1	NA	NA	CC-NBS-TM	Os12g0246700	OsR498G0407486900.01.T01	NB-ARC domain containing protein, expressed
maker-11-augustus-gene-149.39-mRNA-1	NA	NA	CC-NBS-TM			Putative NBS-LRR type disease resistance protein
maker-11-augustus-gene-165.14-mRNA-1	NA	NA	CC-NBS-TM	0	OsR498G1120249800.01.T02	NBS-LRR-like resistance protein (Fragment)
maker-11-augustus-gene-232.0-mRNA-1	NA	NA	CC-NBS-TM	Os11g0646300		Lucine Rich Repeat family protein, expressed
maker-11-augustus-gene-232.0-mRNA-1	NA	Japonica	CC-NBS-TM	Os11g0669100	OsR498G1120573300.01.T01	Disease resistance protein RPP13
maker-11-augustus-gene-80.36-mRNA-1	NA	NA	CC-NBS-TM	Os11g0223900		Putative NB-ARC domain-containing protein (Fragment)
maker-12-augustus-gene-175.32-mRNA-1	NA	NA	CC-NBS-TM	Os12g047300		NB-ARC domain containing protein, expressed
maker-12-augustus-gene-206.34-mRNA-1	NA	Indica	CC-NBS-TM	Os12g0511400	OsR498G1221704000.01.T02	NB-ARC domain containing protein, expressed
maker-						

augustus-8-processed-gene-231.5-mRNA-1	Indica	NA	Kinase-LRR-TM	Os08g0446200	OsR498G0816198200.01.T01	Leucine-rich repeat receptor-like protein kinase PEPR1
augustus-9-processed-gene-141.32-mRNA-1	Indica	NA	Kinase-LRR-TM	Os09g0405500	OsR498G0917406000.01.T01	Atypical receptor-like kinase MARK
maker-1-augustus-gene-18.7-mRNA-1	Indica	NA	Kinase-LRR-TM	Os01g0133900	OsR498G010117900.01.T01	Probable leucine-rich repeat receptor-like protein kinase At1g68400
maker-1-augustus-gene-27.62-mRNA-1	Indica	NA	Kinase-LRR-TM	Os01g0149700	OsR498G0100178400.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-1-augustus-gene-351.20-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0810533	OsR498G0102188400.01.T04	Receptor-like protein kinase
maker-1-augustus-gene-352.53-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0102191000.01.T01	Putative light repressible receptor protein kinase	
maker-1-augustus-gene-352.59-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0102192000.01.T04	Putative light repressible receptor protein kinase	
maker-1-augustus-gene-355.0-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0102217000.01.T01	Leucine-rich repeat protein kinase family protein	
maker-1-augustus-gene-354.16-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G0102218900.01.T03	Inactive receptor kinase	
maker-1-augustus-gene-356.23-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0102217000.01.T01	Non-specific serine/threonine protein kinase (Fragment)	
maker-1-augustus-gene-358.18-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G0102320200.01.T01	Serine/threonine kinase	
maker-1-augustus-gene-36.36-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G0100236300.01.T02	Mitogen-activated protein kinase kinase kinase	
maker-10-augustus-gene-163.28-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G0108870200.01.T01	Receptor protein kinase	
maker-10-augustus-gene-37.42-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G0108870200.01.T01	Leucine-rich repeat receptor-like protein kinase PEPR1	
maker-11-augustus-gene-123.41-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G1120059500.01.T01	Receptor-like kinase TMK4 isoform A	
maker-2-augustus-gene-30.20-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G0202991600.01.T01	Putative leucine-rich repeat receptor-like kinase	
maker-2-augustus-gene-41.14-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0203068900.01.T01	Pollen receptor-like kinase	
maker-3-augustus-gene-197.33-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G0306114400.01.T02	Protein STRUBELLIG-RECEPTOR FAMILY 6	
maker-3-augustus-gene-298.46-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0108547400.01.T03	Putative receptor-like protein kinase	
maker-3-augustus-gene-299.43-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0108579900.01.T01	LRR receptor-like serine/threonine-protein kinase EFR isoform B	
maker-3-augustus-gene-307.8-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0108534900.01.T01	Putative LRR receptor-like serine/threonine-protein kinase	
maker-5-augustus-gene-214.40-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0510843600.01.T02	Serine/threonine protein kinase	
maker-5-augustus-gene-247.14-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0511055300.01.T09	Putative LRR receptor-like serine/threonine-protein kinase-like	
maker-5-augustus-gene-247.29-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0511051800.01.T01	Putative inactive receptor kinase	
maker-6-augustus-gene-227.0-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G0612844500.01.T01	Putative LRR receptor-like serine/threonine-protein kinase	
maker-6-augustus-gene-232.7-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G0612843300.01.T01	Putative LRR receptor-like serine/threonine-protein kinase	
maker-6-augustus-gene-228.1-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0612847900.01.T01	Putative LRR receptor-like serine/threonine-protein kinase	
maker-6-augustus-gene-231.7-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G0612839000.01.T02	Putative LRR receptor-like serine/threonine-protein kinase	
maker-6-augustus-gene-305.61-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0613308600.01.T01	Leucine-rich repeat receptor-like protein kinase THICK TASSSEL DWARF 1	
maker-6-augustus-gene-44.21-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G0611741800.01.T01	Serine/threonine protein kinase	
maker-6-augustus-gene-43.23-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G0611742000.01.T01	Serine/threonine protein kinase	
maker-6-augustus-gene-44.5-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0611742000.01.T01	LRR receptor-like serine/threonine-protein kinase EFR	
maker-7-augustus-gene-183.22-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0714359600.01.T01	LRR receptor-like serine/threonine-protein kinase	
maker-8-augustus-gene-191.10-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0815955000.01.T01	Receptor-like protein kinase 5	
maker-8-augustus-gene-231.37-mRNA-1	Indica	NA	Kinase-LRR-TM	OsR498G0816198400.01.T04	Receptor-like protein kinase	
augustus-1-processed-gene-78.1-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0239700	OsR498G0100512300.01.T01	Receptor-like protein kinase HSL1
augustus-10-processed-gene-178.18-mRNA-1	Indica	Indica	Kinase-LRR-TM	OsR498G101862700.01.T01	Tyrosine-protein kinase	
augustus-11-processed-gene-30.12-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g012800	OsR498G1119491700.01.T01	Protein kinase domain-containing protein
augustus-11-processed-gene-31.0-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0171800	OsR498G1119492700.01.T01	Leucine-rich repeat receptor kinase (LRR-RK)
augustus-11-processed-gene-61.7-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0249900	OsR498G1119716500.01.T01	Probably inactive leucine-rich repeat receptor-like protein kinase
augustus-12-processed-gene-198.43-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0249650	OsR498G1221664100.01.T01	Protein kinase domain-containing protein (Fragment)
augustus-2-processed-gene-213.6-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0296500	OsR498G0204100400.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
augustus-2-processed-gene-259.25-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os02g029400	OsR498G0204348800.01.T01	Phytosulfokine receptor 1
augustus-2-processed-gene-4.37-mRNA-1	Indica	NA	Kinase-LRR-TM	Os02g0211200	OsR498G0202835400.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
augustus-2-processed-gene-6.27-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os02g0111800	OsR498G0202835400.01.T01	Leucine-rich repeat receptor-like protein kinase PXL2
augustus-4-processed-gene-237.18-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os04g0576900	OsR498G0409129100.01.T01	Probable inactive leucine-rich repeat receptor kinase XIAO
augustus-4-processed-gene-35.36-mRNA-1	Indica	NA	Kinase-LRR-TM	Os04g0274500	OsR498G0412087700.01.T01	Leucine-rich repeat protein kinase family protein
augustus-6-processed-gene-93.17-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os06g0342300	OsR498G0615837200.01.T01	Putative somatic embryogenesis protein kinase 1
augustus-8-processed-gene-158.35-mRNA-1	Indica	NA	Kinase-LRR-TM	Os08g054700	OsR498G0816427000.01.T01	Brassinosteroid LRR receptor kinase BR1.5
augustus-8-processed-gene-296.38-mRNA-1	Indica	NA	Kinase-LRR-TM	Os08g054700	OsR498G0816427000.01.T01	Serine/threonine protein kinase
augustus-9-processed-gene-74.22-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os09g0293500	OsR498G0917002400.01.T01	Brassinosteroid LRR receptor kinase BR1
augustus_masked-1-processed-gene-306.22-mRNA-1	Indica	NA	Kinase-LRR-TM	Os01g0718300	OsR498G0101902000.01.T01	Brassinosteroid-insensitive 1
augustus_masked-10-processed-gene-13.17-mRNA-1	Indica	NA	Kinase-LRR-TM	Os01g0114400	OsR498G0101902000.01.T01	Mitogen-activated protein kinase kinase kinase
augustus_masked-11-processed-gene-219.32-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0624600	OsR498G1120543200.01.T03	GPRC kinase
augustus_masked-11-processed-gene-74.40-mRNA-1	Indica	NA	Kinase-LRR-TM	Os03g0332900	OsR498G0305887500.01.T03	Putative LRR receptor-like serine/threonine-protein kinase (Fragment)
augustus_masked-3-processed-gene-153.48-mRNA-1	Indica	NA	Kinase-LRR-TM	Os03g0145000	OsR498G0305887500.01.T03	Putative inactive receptor kinase
augustus_masked-3-processed-gene-22.39-mRNA-1	Indica	NA	Kinase-LRR-TM	Os03g0183800	OsR498G0305221600.01.T01	Leucine-rich repeat receptor-like protein kinase PXL2
augustus_masked-3-processed-gene-41.18-mRNA-1	Indica	NA	Kinase-LRR-TM	Os03g0183800	OsR498G0305342500.01.T01	Strubbelig-receptor family 6
augustus_masked-3-processed-gene-450.56-mRNA-1	Indica	NA	Kinase-LRR-TM	Os03g0756200	OsR498G0307070000.01.T03	Lrr receptor-like serine/threonine-protein kinase rpk2
augustus_masked-4-processed-gene-199.39-mRNA-1	Indica	NA	Kinase-LRR-TM	Os04g0672100	OsR498G040648600.01.T01	Phytosulfokine receptor
augustus_masked-4-processed-gene-288.15-mRNA-1	Indica	NA	Kinase-LRR-TM	Os05g0588250	OsR498G0511432300.01.T02	Putative inactive receptor kinase
augustus_masked-5-processed-gene-304.14-mRNA-1	Indica	NA	Kinase-LRR-TM	Os06g0587500	OsR498G0612854100.01.T01	U-box domain-containing protein 33-like isoform X1
augustus_masked-6-processed-gene-226.0-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os06g0587500	OsR498G0612854100.01.T01	Leucine-rich repeat protein kinase family protein
augustus_masked-6-processed-gene-231.29-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os06g0587500	OsR498G0612854100.01.T01	Leucine-rich repeat protein kinase family protein
augustus_masked-6-processed-gene-290.36-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os06g0692600	OsR498G0613225000.01.T01	Tyrosine-sulfated glycoprotein receptor 1
augustus_masked-6-processed-gene-290.37-mRNA-1	Indica	NA	Kinase-LRR-TM	Os06g0692600	OsR498G0613225000.01.T01	Tyrosine-sulfated glycoprotein receptor 1
augustus_masked-8-processed-gene-151.29-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os08g0518400	OsR498G08165800700.01.T01	LRR receptor-like serine/threonine-protein kinase EFR
augustus_masked-8-processed-gene-270.46-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os08g0518400	OsR498G08165800700.01.T01	Serine/threonine-protein kinase
augustus_masked-9-processed-gene-118.25-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os09g0352000	OsR498G0917242100.01.T03	Putative leucine-rich repeat receptor-like serine/threonine-protein kinase
maker-1-augustus-gene-189.11-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0514700	OsR498G0101145500.01.T01	Receptor protein kinase-like protein ZAR1
maker-1-augustus-gene-189.13-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0514700	OsR498G0101145500.01.T01	Protein kinase domain-containing protein
maker-1-augustus-gene-230.10-mRNA-1	Indica	NA	Kinase-LRR-TM	Os01g0577600	OsR498G0101394600.01.T01	Leucine-rich repeat receptor protein kinase EXS
maker-1-augustus-gene-28.30-mRNA-1	Indica	NA	Kinase-LRR-TM	Os01g0152000	OsR498G0100185300.01.T01	LRR receptor-like serine/threonine-protein kinase EFR
maker-1-augustus-gene-284.39-mRNA-1	Indica	NA	Kinase-LRR-TM	Os01g0152000	OsR498G0101747700.01.T01	Protein MALE DISCOVERER 1
maker-1-augustus-gene-29.59-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0152600	OsR498G0100187100.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-1-augustus-gene-29.60-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0152600	OsR498G0100187100.01.T01	LRR receptor-like serine/threonine-protein kinase EFR
maker-1-augustus-gene-293.3-mRNA-1	Indica	NA	Kinase-LRR-TM	Os01g0152600	OsR498G0100187100.01.T01	Receptor kinase MRK4
maker-1-augustus-gene-293.3-mRNA-1	Indica	NA	Kinase-LRR-TM	Os01g0152600	OsR498G0100187100.01.T01	Leucine-rich repeat receptor kinase-like protein
maker-1-augustus-gene-302.17-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0711200	OsR498G0101870300.01.T01	Leucine-rich repeat transmembrane protein kinase
maker-1-augustus-gene-317.35-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0742400	OsR498G0101973900.01.T01	Protein kinase family protein with leucine-rich repeat domain
maker-1-augustus-gene-477.5-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0917500	OsR498G0102576500.01.T05	Leucine-rich repeat receptor protein kinase MSP1
maker-1-augustus-gene-498.14-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0951700	OsR498G010271100.01.T01	Inactive leucine-rich repeat receptor-like protein kinase-like
maker-1-augustus-gene-501.23-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0960400	OsR498G0102740800.01.T02	Putative leucine-rich repeat receptor-like serine/threonine-protein kinase
maker-1-augustus-gene-509.16-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0974900	OsR498G0102790800.01.T02	Mitogen-activated protein kinase kinase
maker-1-augustus-gene-71.50-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0228200	OsR498G0100470100.01.T01	Putative receptor kinase TRKc
maker-10-augustus-gene-16.50-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g019200	OsR498G0108061000.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-10-augustus-gene-164.25-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0485500	OsR498G0108872900.01.T01	MDIS1-interacting receptor-like kinase 2
maker-11-augustus-gene-183.28-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0592900	OsR498G1120323500.01.T01	Leucine-rich repeat protein kinase, expressed
maker-11-augustus-gene-187.15-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0593900	OsR498G1120383600.01.T02	Leucine-rich repeat receptor-like kinase
maker-11-augustus-gene-187.20-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0595900	OsR498G1120381200.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-11-augustus-gene-188.40-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0569600	OsR498G1120386200.01.T01	Receptor kinase-like protein (Fragment)
maker-11-augustus-gene-209.14-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0607200	OsR498G1120487000.01.T01	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1
maker-11-augustus-gene-217.42-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0620500	OsR498G0102391100.01.T04	Leucine-rich repeat receptor-like protein kinase
maker-11-augustus-gene-220.23-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0625900	OsR498G1120550600.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-11-augustus-gene-221.0-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0628000	OsR498G1120550600.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-11-augustus-gene-257.26-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0695700	OsR498G1120742700.01.T01	Putative receptor kinase TRKc
maker-11-augustus-gene-257.28-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0695700	OsR498G1120742700.01.T01	Protein kinase domain containing protein, expressed
maker-11-augustus-gene-258.22-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0695600	OsR498G1120747600.01.T01	Serine/threonine protein kinase plant-type
maker-11-augustus-gene-30.26-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0171800	OsR498G1119492700.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-11-augustus-gene-30.62-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0172700	OsR498G1119488300.01.T02	Putative LRR receptor-like serine/threonine-protein kinase
maker-11-augustus-gene-31.34-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0173700	OsR498G1119493500.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-11-augustus-gene-31.36-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0173500	OsR498G1119494900.01.T07	Putative LRR receptor-like serine/threonine-protein kinase
maker-11-augustus-gene-31.38-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0173700	OsR498G1119493500.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-11-augustus-gene-31.40-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g013800	OsR498G1119496700.01.T02	Leucine-rich repeat family protein, expressed
maker-11-augustus-gene-31.44-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0127900	OsR498G1119494900.01.T01	Leucine-rich repeat receptor-like protein kinase (LRR-RK)
maker-11-augustus-gene-58.29-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0210400	OsR498G1119689900.01.T01	Probable leucine-rich repeat receptor-like protein kinase At5g49770
maker-11-augustus-gene-71.10-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0208900	OsR498G1119599000.01.T01	Serine/threonine protein kinase plant-type
maker-11-augustus-gene-85.28-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0208900	OsR498G1119660500.01.T01	Leucine-rich repeat receptor-like serine/threonine-protein kinase BAM3
maker-12-augustus-gene-1.34-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os02g0567500	OsR498G1220789200.01.T06	Leucine-rich repeat protein kinase family protein
maker-12-augustus-gene-224.10-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os02g0567500	OsR498G1221899800.01.T01	Expressed protein kinase
maker-12-augustus-gene-24.29-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0107700	OsR498G1220930000.01.T02	Leucine-rich repeat receptor-like protein kinase PXC1
maker-12-augustus-gene-4.60-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0182300	OsR498G1220804500.01.T01	Probable leucine-rich repeat receptor-like protein kinase IMK3
maker-12-augustus-gene-44.21-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0210400	OsR498G1221050600.01.T01	Tyrosine-protein kinase
maker-12-augustus-gene-60.29-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0306600	OsR498G1221109900.01.T01	Leucine-rich repeat receptor-like protein kinase
maker-12-augustus-gene-76.35-mRNA-1	Indica	Indica	Kinase-LRR-TM	Os01g0306600	OsR498	

maker-3-augustus-gene-62.58-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os3g0223000	OsR498G0305477500.01.T01	Atypical receptor-like kinase MARK
maker-3-augustus-gene-66.8-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os3g0228800	OsR498G0305501000.01.T01	Leucine-rich repeat receptor-like serine/threonine-protein kinase BAM1
maker-3-augustus-gene-84.1-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os3g0246800	OsR498G0305481800.01.T01	LRR receptor-like serine/threonine-protein kinase FE1
maker-4-augustus-gene-175.77-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os04g0457800	OsR498G0408690200.01.T01	Non-specific serine/threonine protein kinase
maker-4-augustus-gene-183.9-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os04g0472500	OsR498G0408749300.01.T01	Inactive leucine-rich repeat receptor-like protein kinase
maker-4-augustus-gene-259.21-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os08g0203700	OsR498G0409280800.01.T01	Non-specific serine/threonine protein kinase
maker-4-augustus-gene-260.4-mRNA-1	Japanica	Japanica	Kinase-LRR-TM	Os04g0616700	OsR498G0409282800.01.T02	Leucine-rich repeat transmembrane protein kinase
maker-4-augustus-gene-261.7-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os04g0618700	OsR498G0409282000.01.T01	LRR receptor-like protein serine/threonine-protein kinase FL52
maker-4-augustus-gene-274.7-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os04g0649700	OsR498G0409289000.01.T01	Putative inactive receptor kinase
maker-2-augustus-gene-294.22-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	OsR498G0409512300.01.T01	Serine/threonine protein kinase
maker-4-augustus-gene-296.8-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os04g0685900	OsR498G0409512200.01.T01	Receptor-like kinase TMK3
maker-4-augustus-gene-35.2-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	OsR498G0407776100.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-4-augustus-gene-35.3-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	0	Putative LRR receptor-like serine/threonine-protein kinase
maker-5-augustus-gene-141.9-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	OsR498G0510445000.01.T01	Serine/threonine protein kinase
maker-5-augustus-gene-242.5-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os05g0471000	OsR498G0511021200.01.T03	Inactive receptor-like serine/threonine-protein kinase (Fragment)
maker-5-augustus-gene-246.40-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os05g0478300	OsR498G0511047500.01.T01	Protein kinase domain-containing protein (Fragment)
maker-5-augustus-gene-250.6-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os05g0486100	OsR498G0511075400.01.T01	Putative leucine-rich repeat receptor-like protein kinase
maker-5-augustus-gene-271.7-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os01g0742400	OsR498G0511207000.01.T01	Protein kinase family protein with leucine-rich repeat domain
maker-5-augustus-gene-272.49-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os05g0524500	OsR498G0511212300.01.T01	Putative receptor-like protein kinase
maker-5-augustus-gene-272.52-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os05g0524600	OsR498G0511212900.01.T03	Putative serine/threonine-specific receptor protein kinase
maker-5-augustus-gene-272.63-mRNA-1	Japanica	Japanica	Kinase-LRR-TM	Os05g0525000	OsR498G0511214700.01.T01	Putative serine/threonine-specific receptor protein kinase
maker-5-augustus-gene-272.65-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os05g0525550	OsR498G0511214700.01.T01	Putative receptor-like protein kinase
maker-5-augustus-gene-272.68-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os05g0525600	OsR498G0511215100.01.T01	Putative leucine-rich repeat receptor-like protein kinase
maker-5-augustus-gene-272.71-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os05g0525550	OsR498G0511215300.01.T01	Putative serine/threonine-specific receptor protein kinase
maker-5-augustus-gene-40.0-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os01g0170300	OsR498G0509825300.01.T01	Mitogen-activated protein kinase kinase kinase
maker-5-augustus-gene-89.0-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	0	Putative leucine-rich repeat receptor-like protein kinase
maker-5-augustus-gene-94.45-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os04g0291900	OsR498G0510160500.01.T05	Non-specific serine/threonine protein kinase
maker-5-augustus-gene-95.16-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os04g0291900	OsR498G0510174900.01.T02	Non-specific serine/threonine protein kinase
maker-5-augustus-gene-96.10-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os05g0257100	OsR498G0510172500.01.T03	Non-specific serine/threonine protein kinase
maker-6-augustus-gene-132.5-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	OsR498G0612537000.01.T03	CPK kinase
maker-6-augustus-gene-231.0-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os04g0657100	OsR498G0612745000.01.T04	Protein kinase family protein with leucine-rich repeat domain
maker-6-augustus-gene-211.5-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os04g0557700	OsR498G0612758100.01.T01	Serine/threonine protein kinase
maker-6-augustus-gene-224.30-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	0	LRR receptor-like serine/threonine-protein kinase EFR
maker-6-augustus-gene-225.34-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os12g0498650	OsR498G0612836400.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-6-augustus-gene-225.37-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os06g0587900	OsR498G0612837400.01.T02	Putative LRR receptor-like serine/threonine-protein kinase
maker-6-augustus-gene-228.0-mRNA-1	Japanica	Japanica	Kinase-LRR-TM	Os06g0588150	OsR498G0612846900.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-6-augustus-gene-228.1-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	OsR498G0612847900.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-6-augustus-gene-229.0-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	OsR498G0612851100.01.T02	Leucine-rich repeat protein kinase family protein
maker-6-augustus-gene-230.0-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	0	Protein kinase domain-containing protein (Fragment)
maker-6-augustus-gene-232.45-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	OsR498G0612858300.01.T01	Leucine-rich repeat protein kinase family protein
maker-6-augustus-gene-259.6-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os02g0190500	OsR498G0613020200.01.T02	Putative STRUBBELIG family receptor protein kinase
maker-6-augustus-gene-261.62-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	OsR498G0613032800.01.T01	Leucine-rich repeat protein kinase family protein isoform 2
maker-7-augustus-gene-213.74-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	OsR498G061458200.01.T01	Protein kinase domain-containing protein
maker-7-augustus-gene-225.38-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os07g0568100	OsR498G0714596100.01.T01	Modulation receptor kinase A
maker-7-augustus-gene-229.75-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os07g0574100	OsR498G0714615800.01.T01	Receptor-kinase isolog
maker-7-augustus-gene-241.21-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os07g0597200	OsR498G0714696400.01.T01	Leucine-rich repeat transmembrane protein kinase
maker-7-augustus-gene-253.23-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os07g0618400	OsR498G0714763500.01.T01	Protein STRUBBELIG-RECEPTOR FAMILY 7
maker-7-augustus-gene-267.83-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os07g0645900	OsR498G0714794900.01.T01	Inactive receptor kinase
maker-7-augustus-gene-287.50-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os07g0681100	OsR498G0714964600.01.T02	Putative inactive receptor kinase isoform A
maker-7-augustus-gene-32.32-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os07g0166700	OsR498G0713584300.01.T02	Leucine-rich repeat transmembrane protein kinase, putative, expressed
maker-7-augustus-gene-7.39-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os07g0121200	OsR498G0713427200.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-7-augustus-gene-81.0-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os07g0251900	OsR498G0713893500.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-8-augustus-gene-218.56-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os07g0400500	OsR498G0816116200.01.T01	Mitogen-activated protein kinase kinase kinase
maker-8-augustus-gene-229.54-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os08g0442700	OsR498G0816185400.01.T01	Serine/threonine protein kinase
maker-8-augustus-gene-263.40-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os08g0560400	OsR498G0816427500.01.T03	Receptor protein kinase-like protein ZAR1
maker-8-augustus-gene-272.13-mRNA-1	Japanica	Japanica	Kinase-LRR-TM	Os08g0521200	OsR498G0816482400.01.T01	Putative transferase, protein kinase RLK-Pelle-LRR-III family
maker-8-augustus-gene-45.34-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os08g0174700	OsR498G0815299300.01.T01	Non-specific serine/threonine protein kinase
maker-8-augustus-gene-60.1-mRNA-1	Japanica	Japanica	Kinase-LRR-TM	Os08g0201700	OsR498G0815383300.01.T05	Non-specific serine/threonine protein kinase
maker-8-augustus-gene-61.24-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	0	Non-specific serine/threonine protein kinase
maker-8-augustus-gene-61.30-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os08g0203300	OsR498G0815386700.01.T02	Non-specific serine/threonine protein kinase
maker-8-augustus-gene-61.36-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	0	Putative Receptor-like serine/threonine kinase(RFK1)
maker-8-augustus-gene-61.45-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os08g0203400	OsR498G0815387700.01.T03	Non-specific serine/threonine protein kinase
maker-8-augustus-gene-61.50-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os08g0203700	OsR498G0815387900.01.T03	Non-specific serine/threonine protein kinase
maker-8-augustus-gene-93.6-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os08g0248100	OsR498G0815355500.01.T02	Putative LRR receptor-like serine/threonine-protein kinase
maker-8-augustus-gene-93.7-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os08g0248100	OsR498G0815355500.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-8-augustus-gene-93.8-mRNA-1	Japanica	Japanica	Kinase-LRR-TM	Os08g0248100	OsR498G0815355700.01.T01	Receptor kinase
maker-9-augustus-gene-105.27-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os09g0353200	OsR498G0917227800.01.T02	Putative LRR receptor-like serine/threonine-protein kinase
maker-9-augustus-gene-105.36-mRNA-1	Japanica	Japanica	Kinase-LRR-TM	Os09g0352000	OsR498G0917223000.01.T02	Putative leucine-rich repeat receptor-like serine/threonine-protein kinase
maker-9-augustus-gene-106.25-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os09g0351700	OsR498G0917215200.01.T01	Serine/threonine-specific receptor protein kinase-like
maker-9-augustus-gene-106.28-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os09g0359900	OsR498G0917215200.01.T01	Serine/threonine-specific receptor protein kinase-like
maker-9-augustus-gene-107.2-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os09g0352000	OsR498G0917216200.01.T01	Serine/threonine-specific receptor protein kinase-like
maker-9-augustus-gene-107.4-mRNA-1	Japanica	Japanica	Kinase-LRR-TM	Os09g0349800	OsR498G0917216200.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-9-augustus-gene-109.22-mRNA-1	Japanica	NA	Kinase-LRR-TM	0	0	Leucine rich repeat mallectin kinase 1
maker-9-augustus-gene-115.0-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os09g0355400	0	Sensence-induced receptor-like serine/threonine-protein kinase
maker-9-augustus-gene-115.7-mRNA-1	Japanica	Indica	Kinase-LRR-TM	Os09g0352000	OsR498G0917236000.01.T01	Putative leucine-rich repeat receptor-like serine/threonine-protein kinase
maker-9-augustus-gene-116.5-mRNA-1	Japanica	Japanica	Kinase-LRR-TM	Os09g0356800	OsR498G0917239000.01.T01	Leucine-rich repeat protein kinase-like
maker-9-augustus-gene-117.0-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os09g0356800	OsR498G0917239000.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-9-augustus-gene-127.37-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os09g0376600	0	Modulation receptor kinase
maker-9-augustus-gene-223.67-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os09g0559900	OsR498G0917947700.01.T02	STRUBBELIG-receptor family 6
maker-9-augustus-gene-9.8-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os09g0101000	OsR498G0916673100.01.T01	LRR-RLK
maker-9-augustus-gene-97.48-mRNA-1	Japanica	NA	Kinase-LRR-TM	Os09g0326100	OsR498G0917161200.01.T01	Receptor-like protein kinase HSL1
augustus-1-processed-gene-308.2-mRNA-1	NA	NA	Kinase-LRR-TM	Os10g0871300	OsR498G10244100.01.T01	Receptor-like protein kinase HSL1
augustus-1-processed-gene-412.37-mRNA-1	NA	Indica	Kinase-LRR-TM	Os05g0588250	OsR498G101507200.01.T01	Serine/threonine protein kinase
augustus-1-processed-gene-439.40-mRNA-1	NA	NA	Kinase-LRR-TM	Os10g0873800	OsR498G102446100.01.T01	Receptor-like protein kinase HAKU2
augustus-1-processed-gene-463.44-mRNA-1	NA	Indica	Kinase-LRR-TM	Os05g0588250	OsR498G101507200.01.T01	Serine/threonine protein kinase
augustus-10-processed-gene-80.22-mRNA-1	NA	Indica	Kinase-LRR-TM	Os11g0692100	OsR498G1018382300.01.T01	Leucine-rich repeat receptor kinase-type protein
augustus-12-processed-gene-274.19-mRNA-1	NA	NA	Kinase-LRR-TM	Os12g0626000	OsR498G1222161300.01.T01	Receptor-like protein kinase HAKU2
augustus-2-processed-gene-259.25-mRNA-1	NA	NA	Kinase-LRR-TM	Os02g0239400	OsR498G023436800.01.T01	Phytosulfokine receptor 1
augustus-2-processed-gene-331.30-mRNA-1	NA	NA	Kinase-LRR-TM	Os06g0628700	OsR498G0613173300.01.T01	Protein kinase domain-containing protein (Fragment)
augustus-2-processed-gene-334.32-mRNA-1	NA	NA	Kinase-LRR-TM	0	OsR498G0613116800.01.T01	Pollen receptor-like kinase 4
augustus-2-processed-gene-9.69-mRNA-1	NA	NA	Kinase-LRR-TM	Os02g0116700	OsR498G0202850700.01.T01	Phytosulfokine receptor 1
augustus-4-processed-gene-190.60-mRNA-1	NA	NA	Kinase-LRR-TM	Os04g0487200	OsR498G0408799300.01.T01	Inactive LRR receptor-like serine/threonine-protein kinase
augustus-7-processed-gene-249.0-mRNA-1	NA	NA	Kinase-LRR-TM	Os07g0601200	OsR498G0714711500.01.T01	LRR receptor-like serine/threonine-protein kinase
augustus-8-processed-gene-110.4-mRNA-1	NA	NA	Kinase-LRR-TM	Os08g0274400	OsR498G0815617800.01.T01	Tyrosine protein kinase
augustus-8-processed-gene-158.35-mRNA-1	NA	NA	Kinase-LRR-TM	Os08g0342300	OsR498G0815837200.01.T01	Brassinosteroid LRR receptor kinase BRL3
augustus_masked-4-processed-gene-199.39-mRNA-1	NA	NA	Kinase-LRR-TM	0	0	probable leucine-rich repeat receptor-like protein kinase AL2g33170
augustus_masked-6-processed-gene-226.0-mRNA-1	NA	NA	Kinase-LRR-TM	0	0	Protein kinase domain-containing protein 33-like isoform X1
augustus_masked-6-processed-gene-278.2-mRNA-1	NA	NA	Kinase-LRR-TM	Os06g0667000	OsR498G0613173300.01.T01	Protein kinase domain-containing protein (Fragment)
augustus_masked-6-processed-gene-51.1-mRNA-1	NA	NA	Kinase-LRR-TM	Os06g0198800	OsR498G06131789100.01.T01	Pollen receptor-like protein kinase 3
augustus_masked-8-processed-gene-257.1-mRNA-1	NA	Indica	Kinase-LRR-TM	Os08g0493800	OsR498G0816372100.01.T01	LRR receptor-like serine/threonine-protein kinase
augustus_masked-8-processed-gene-270.46-mRNA-1	NA	NA	Kinase-LRR-TM	Os08g0518400	0	Serine/threonine protein kinase
augustus_masked-9-processed-gene-53.22-mRNA-1	NA	Indica	Kinase-LRR-TM	Os05g0525550	OsR498G0916869900.01.T01	Putative serine/threonine-specific receptor protein kinase
maker-1-augustus-gene-13.58-mRNA-1	NA	Indica	Kinase-LRR-TM	Os05g0524500	OsR498G1010082200.01.T01	Putative serine/threonine-specific receptor protein kinase
maker-1-augustus-gene-246.65-mRNA-1	NA	Indica	Kinase-LRR-TM	Os05g0588250	OsR498G101507200.01.T01	Serine/threonine protein kinase
maker-1-augustus-gene-29.61-mRNA-1	NA	NA	Kinase-LRR-TM	Os01g0153000	0	LRR receptor-like serine/threonine-protein kinase EFR
maker-1-augustus-gene-351.29-mRNA-1	NA	NA	Kinase-LRR-TM	0	OsR498G102189200.01.T01	Putative light repressible receptor protein kinase
maker-1-augustus-gene-352.48-mRNA-1	NA	NA	Kinase-LRR-TM	0	OsR498G102192000.01.T01	Putative light repressible receptor protein kinase
maker-1-augustus-gene-37.14-mRNA-1	NA	NA	Kinase-LRR-TM	0	OsR498G100238400.01.T01	Leucine-rich repeat receptor-like kinase
maker-1-augustus-gene-58.40-mRNA-1	NA	NA	Kinase-LRR-TM	0	OsR498G100378000.01.T01	Transmembrane kinase
maker-1-augustus-gene-68.41-mRNA-1	NA	Indica	Kinase-LRR-TM	Os10g0226600	OsR498G102446400.01.T01	Inactive leucine-rich repeat receptor-like serine/threonine-protein kinase
maker-10-augustus-gene-133.4-mRNA-1	NA	NA	Kinase-LRR-TM	Os04g0132500	OsR498G0407514500.01.T01	rr receptor-like serine/threonine-protein kinase rh1
maker-10-augustus-gene-163.28-mRNA-1	NA	Indica	Kinase-LRR-TM	Os10g0467900	OsR498G1018870200.01.T01	Receptor protein kinase
maker-10-augustus-gene-164.25-mRNA-1	NA	NA	Kinase-LRR-TM	Os10g0468500	OsR498G1018872900.01.T01	MDIS1-interacting receptor-like protein kinase PEPR1
maker-10-augustus-gene-38.0-mRNA-1	NA	Indica	Kinase-LRR-TM	Os10g0155800	OsR498G1018171900.01.T01	Leucine-rich repeat receptor-like protein kinase
maker-11-augustus-gene-123.41-mRNA-1	NA	Japanica	Kinase-LRR-TM	Os11g0448000	OsR498G1120059500.01.T01	Receptor-like kinase TMK4 isoform A
maker-11-augustus-gene-148.27-mRNA-1	NA	NA	Kinase-LRR-TM	Os11g0495200	0	Putative LRR receptor-like serine/threonine-protein kinase
maker-11-augustus-gene-188.43-mRNA-1	NA	Japanica	Kinase-LRR-TM	Os11g0569800	OsR498	

maker-6-augustus-gene-16.8-mRNA-1	NA	NA	Kinase-LRR-TM	Os06g0130100	OsR498G0611562900.01.T01	LRR receptor-like serine/threonine-protein kinase ERECTA
maker-6-augustus-gene-18.4-mRNA-1	NA	NA	Kinase-LRR-TM	Os06g134700	OsR498G0611585900.01.T01	Somatic embryogenesis receptor kinase 4
maker-6-augustus-gene-20.14-mRNA-1	NA	NA	Kinase-LRR-TM	0	OsR498G0611714500.01.T01	Calmodulin-binding receptor kinase CaMLK
maker-6-augustus-gene-225.34-mRNA-1	NA	Indica	Kinase-LRR-TM	Os12g0498650	OsR498G0612836400.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-6-augustus-gene-228.0-mRNA-1	NA	Japonica	Kinase-LRR-TM	Os06g0586150	OsR498G0612846900.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-6-augustus-gene-228.6-mRNA-1	NA	Indica	Kinase-LRR-TM	Os06g0586150	OsR498G0612847900.01.T01	Leucine-rich repeat protein kinase family protein
maker-6-augustus-gene-229.0-mRNA-1	NA	NA	Kinase-LRR-TM	0	OsR498G0612851100.01.T02	Leucine-rich repeat protein kinase family protein
maker-6-augustus-gene-230.0-mRNA-1	NA	NA	Kinase-LRR-TM	0	OsR498G0612852500.01.T01	Protein kinase domain-containing protein (Fragment)
maker-6-augustus-gene-230.3-mRNA-1	NA	Japonica	Kinase-LRR-TM	Os06g0587500	OsR498G0612853900.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-6-augustus-gene-231.7-mRNA-1	NA	Indica	Kinase-LRR-TM	Os06g0587900	OsR498G0612839900.01.T02	Putative LRR receptor-like serine/threonine-protein kinase
maker-6-augustus-gene-274.6-mRNA-1	NA	NA	Kinase-LRR-TM	0	OsR498G0613109100.01.T01	Protein STRUBBELIG-RECEPTOR FAMILY 1
maker-6-augustus-gene-275.4-mRNA-1	NA	NA	Kinase-LRR-TM	0	OsR498G0613116800.01.T01	Pollen receptor-like kinase 4
maker-6-augustus-gene-53.26-mRNA-1	NA	NA	Kinase-LRR-TM	Os06g0203800	OsR498G0611808400.01.T02	LRR receptor-like serine/threonine-protein kinase ERECTA
maker-6-augustus-gene-65.20-mRNA-1	NA	NA	Kinase-LRR-TM	0	OsR498G0613123400.01.T01	Non-specific serine/threonine-protein kinase
maker-6-augustus-gene-92.12-mRNA-1	NA	NA	Kinase-LRR-TM	Os06g0272000	OsR498G0612078200.01.T01	Receptor kinase MRKa
maker-7-augustus-gene-14.37-mRNA-1	NA	NA	Kinase-LRR-TM	0	OsR498G0713472300.01.T02	Putative LRR receptor-like serine/threonine-protein kinase
maker-7-augustus-gene-14.43-mRNA-1	NA	Indica	Kinase-LRR-TM	Os07g0134200	OsR498G0713470200.01.T01	Leucine-rich repeat receptor-like serine/threonine-protein kinase BAM1
maker-7-augustus-gene-19.33-mRNA-1	NA	NA	Kinase-LRR-TM	Os07g0145400	OsR498G0713506400.01.T01	Tyrosine-protein kinase
maker-7-augustus-gene-24.35-mRNA-1	NA	NA	Kinase-LRR-TM	OsR498G0713530800.01.T02	OsR498G0713530800.01.T02	Leucine-rich repeat receptor-like serine/threonine-protein kinase At1g17230
maker-7-augustus-gene-54.15-mRNA-1	NA	NA	Kinase-LRR-TM	Os07g0207100	OsR498G0713723400.01.T01	Leucine-rich repeat receptor-like tyrosine-protein kinase PKC3
maker-8-augustus-gene-10.40-mRNA-1	NA	NA	Kinase-LRR-TM	Os08g0117700	OsR498G0815080100.01.T01	Somatic embryogenesis receptor kinase 5-like
maker-8-augustus-gene-191.10-mRNA-1	NA	NA	Kinase-LRR-TM	Os08g0376300	OsR498G0815955000.01.T01	Receptor-like protein kinase 5
maker-8-augustus-gene-29.0-mRNA-1	NA	NA	Kinase-LRR-TM	0	OsR498G081585900.01.T01	Leucine-rich repeat receptor-like protein kinase TDR
maker-9-augustus-gene-106.25-mRNA-1	NA	NA	Kinase-LRR-TM	Os09g0351700	OsR498G0912716200.01.T01	Serine/threonine-specific receptor protein kinase-like
maker-9-augustus-gene-107.2-mRNA-1	NA	Indica	Kinase-LRR-TM	Os09g0352000	OsR498G0912716200.01.T01	Serine/threonine-specific receptor protein kinase-like
maker-9-augustus-gene-107.74-mRNA-1	NA	Japonica	Kinase-LRR-TM	Os09g0349800	OsR498G0912716200.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-9-augustus-gene-115.0-mRNA-1	NA	NA	Kinase-LRR-TM	Os09g0355400	OsR498G0912716200.01.T01	Senescence-induced receptor-like serine/threonine-protein kinase
maker-9-augustus-gene-117.0-mRNA-1	NA	NA	Kinase-LRR-TM	Os09g0356800	OsR498G0912739900.01.T02	Putative LRR receptor-like serine/threonine-protein kinase
maker-9-augustus-gene-184.37-mRNA-1	NA	Indica	Kinase-LRR-TM	Os08g0493800	OsR498G0917690700.01.T01	Serine/threonine protein kinase
augustus-2-processed-gene-28.42-mRNA-1	Japonica	NA	Kinase-LRR-NBS	0	OsR498G0917716200.01.T01	Disease resistance protein RGA2
augustus-2-processed-gene-211.2-mRNA-1	Japonica	NA	LRR	Os11g0609700	OsR498G0917716200.01.T01	Disease resistance protein RPM1
maker-10-augustus-gene-157.12-mRNA-1	Japonica	NA	LRR	Os10g0456200	OsR498G1018837200.01.T01	LRR repeat and ubiquitin-like domain-containing protein isoform X2
maker-11-augustus-gene-30.29-mRNA-1	Japonica	NA	LRR	Os11g0172300	OsR498G1018837200.01.T01	Protein kinase domain-containing protein
maker-2-augustus-gene-283.29-mRNA-1	Japonica	NA	LRR	Os02g0675800	OsR498G0204514700.01.T03	RING/U-box superfamily protein
maker-3-augustus-gene-56.49-mRNA-1	Japonica	NA	LRR	0	OsR498G0305445900.01.T02	Plant intracellular Ras-group-related LRR protein 7
maker-6-augustus-gene-73.27-mRNA-1	Japonica	NA	LRR	0	OsR498G0611964800.01.T03	NLR family CARD domain-containing protein 3
maker-8-augustus-gene-285.55-mRNA-1	Japonica	NA	LRR	OsR498G0816555300.01.T02	OsR498G0816555300.01.T02	NB-ARC domain-containing protein
maker-12-augustus-gene-276.42-mRNA-1	NA	NA	LRR	Os07g106100	OsR498G0713370900.01.T01	Dynein assembly factor 1, axonemal
maker-2-augustus-gene-326.42-mRNA-1	NA	NA	LRR	Os06g0677500	OsR498G0613173700.01.T01	Protein geranylgeranyltransferase type II
maker-4-augustus-gene-252.6-mRNA-1	NA	NA	LRR	Os04g0605300	OsR498G0409234800.01.T02	Plant intracellular Ras-group-related LRR protein 1
maker-6-augustus-gene-283.34-mRNA-1	NA	NA	LRR	Os06g0677500	OsR498G0613173700.01.T01	Protein geranylgeranyltransferase type II
maker-9-augustus-gene-15.0-mRNA-1	NA	Indica	LRR	0	OsR498G0917259900.01.T01	LRR receptor-like serine/threonine-protein kinase ERECTA
augustus-5-processed-gene-141.42-mRNA-1	Japonica	Japonica	LRR-NBS	Os02g0282400	OsR498G0917259900.01.T01	Plant intracellular Ras-group-related LRR protein 6
maker-11-augustus-gene-248.32-mRNA-1	Japonica	Japonica	LRR-NBS	Os05g0305600	OsR498G0510413500.01.T01	NB-ARC domain containing protein, expressed
maker-11-augustus-gene-248.32-mRNA-1	NA	Japonica	LRR-NBS	Os11g0673900	OsR498G1120709100.01.T03	Putative nucleotide-binding leucine-rich-repeat protein 1
maker-7-augustus-gene-172.1-mRNA-1	NA	NA	LRR-NBS	Os11g0673900	OsR498G1120709100.01.T03	Putative nucleotide-binding leucine-rich-repeat protein 1
augustus-5-processed-gene-25.16-mRNA-1	Indica	NA	LRR-NBS-TM	Os06g138100	OsR498G1120709100.01.T03	Disease resistance protein RPM1
maker-9-augustus-gene-99.0-mRNA-1	Indica	NA	LRR-NBS-TM	Os07g0327800	OsR498G1120709100.01.T03	NB-ARC domain containing protein, expressed
augustus-10-processed-gene-44.0-mRNA-1	Japonica	NA	LRR-NBS-TM	0	OsR498G1018206100.01.T04	NBS-LRR disease resistance protein-like
augustus-11-processed-gene-228.19-mRNA-1	Japonica	Japonica	LRR-NBS-TM	Os11g0640300	OsR498G1120612100.01.T01	NB-ARC domain containing protein, expressed
augustus-11-processed-gene-83.15-mRNA-1	Japonica	NA	LRR-NBS-TM	Os11g0222400	OsR498G1119649900.01.T03	Leucine Rich Repeat family protein, expressed
augustus-7-processed-gene-42.1-mRNA-1	Japonica	NA	LRR-NBS-TM	Os07g186500	OsR498G0713652100.01.T01	NBS-LRR type protein (Fragment)
augustus-9-processed-gene-121.26-mRNA-1	Japonica	Japonica	LRR-NBS-TM	Os09g0345000	OsR498G091259900.01.T01	Disease resistance protein RPM1
augustus-11-processed-gene-147.22-mRNA-1	Japonica	NA	LRR-NBS-TM	Os11g0359800	OsR498G1109941400.01.T02	PPC domain-containing protein
augustus-11-processed-gene-183.19-mRNA-1	Japonica	NA	LRR-NBS-TM	Os11g0560000	OsR498G1120357400.01.T01	Powdery mildew resistance protein PM3 variant
augustus-11-processed-gene-228.26-mRNA-1	Japonica	NA	LRR-NBS-TM	Os11g0639600	OsR498G1120357400.01.T01	Disease resistance protein RPM1
augustus-11-processed-gene-341.23-mRNA-1	Japonica	NA	LRR-NBS-TM	Os11g0639600	OsR498G1120610200.01.T02	NB-ARC domain containing protein, expressed
augustus-11-processed-gene-221.11-mRNA-1	Japonica	Indica	LRR-NBS-TM	Os03g0566700	OsR498G1120610200.01.T02	NBS-LRR protein (Fragment)
augustus-11-processed-gene-92.26-mRNA-1	Japonica	Indica	LRR-NBS-TM	Os04g0548100	OsR498G040904200.01.T01	Disease resistance protein RPM1
augustus-11-processed-gene-121.19-mRNA-1	Japonica	Japonica	LRR-NBS-TM	Os09g0365300	OsR498G091259900.01.T01	Disease resistance protein RPM1
maker-1-augustus-gene-116.31-mRNA-1	Japonica	NA	LRR-NBS-TM	Os01g0308300	OsR498G0100770300.01.T01	Protein kinase domain-containing protein
maker-1-augustus-gene-497.55-mRNA-1	Japonica	Japonica	LRR-NBS-TM	Os11g0953400	OsR498G0100770300.01.T01	Putative NB-ARC domain-containing protein (Fragment)
maker-10-augustus-gene-23.77-mRNA-1	Japonica	NA	LRR-NBS-TM	Os10g0132500	OsR498G10102712500.01.T01	Leucine Rich Repeat family protein, expressed
maker-11-augustus-gene-209.8-mRNA-1	Japonica	Japonica	LRR-NBS-TM	Os11g0166400	OsR498G1120484800.01.T01	Putative retrotransposon elements TNP2
maker-11-augustus-gene-209.9-mRNA-1	Japonica	Indica	LRR-NBS-TM	Os11g0606400	OsR498G1120485600.01.T01	NB-ARC domain containing protein, expressed
maker-11-augustus-gene-224.0-mRNA-1	Japonica	NA	LRR-NBS-TM	Os11g0633500	OsR498G1120581500.01.T03	NB-ARC domain containing protein, expressed
maker-11-augustus-gene-254.11-mRNA-1	Japonica	NA	LRR-NBS-TM	0	OsR498G1120737800.01.T01	Disease resistance protein RPP8
maker-7-augustus-gene-125.41-mRNA-1	Japonica	NA	LRR-NBS-TM	Os10g0568600	OsR498G1019224400.01.T01	Disease resistance protein Pils-1
maker-7-augustus-gene-156.17-mRNA-1	Japonica	NA	LRR-NBS-TM	0	OsR498G0714220800.01.T01	NB-ARC domain-containing protein (Fragment)
maker-7-augustus-gene-172.14-mRNA-1	Japonica	NA	LRR-NBS-TM	Os07g0481300	OsR498G0714220800.01.T01	NB-ARC domain, putative
maker-7-augustus-gene-98.5-mRNA-1	Japonica	NA	LRR-NBS-TM	Os07g0273700	OsR498G0714220800.01.T01	Putative disease resistance protein RGA3
augustus-11-processed-gene-180.30-mRNA-1	NA	NA	LRR-NBS-TM	Os11g0550500	OsR498G1120333300.01.T05	WRKY domain-containing protein
augustus-11-processed-gene-83.15-mRNA-1	NA	NA	LRR-NBS-TM	Os11g0222400	OsR498G1120333300.01.T05	Disease resistance protein RPM1
augustus-6-processed-gene-33.72-mRNA-1	NA	NA	LRR-NBS-TM	Os11g0227800	OsR498G1119649900.01.T03	NBS-LRR type protein (Fragment)
augustus-10-processed-gene-25.16-mRNA-1	NA	NA	LRR-NBS-TM	Os03g136100	OsR498G1119650700.01.T02	Leaf rust resistance protein Lr10
augustus-3-processed-gene-251.52-mRNA-1	NA	NA	LRR-NBS-TM	Os03g0599400	OsR498G0306422200.01.T01	NB-ARC domain containing protein, expressed
augustus-3-processed-gene-345.38-mRNA-1	NA	NA	LRR-NBS-TM	Os03g0599400	OsR498G0306422200.01.T01	Leucine Rich Repeat family protein, expressed
augustus-3-processed-gene-360.14-mRNA-1	NA	NA	LRR-NBS-TM	Os03g0599400	OsR498G0306422200.01.T01	Putative disease resistance protein RGA3
maker-1-augustus-gene-494.48-mRNA-1	NA	NA	LRR-NBS-TM	Os01g0947700	OsR498G010947700.01.T01	Leucine Rich Repeat family protein, expressed
maker-2-augustus-gene-108.14-mRNA-1	NA	NA	LRR-NBS-TM	Os02g0284700	OsR498G020284700.01.T01	Beta 1,3-glucanase
maker-3-augustus-gene-236.44-mRNA-1	NA	NA	LRR-NBS-TM	Os03g0573500	OsR498G0306422200.01.T01	Putative disease resistance protein RGA3
maker-3-augustus-gene-239.29-mRNA-1	NA	NA	LRR-NBS-TM	0	OsR498G0306441900.01.T01	Putative NB-ARC type disease resistance protein
maker-3-augustus-gene-349.0-mRNA-1	NA	NA	LRR-NBS-TM	0	OsR498G0306441900.01.T01	Putative NB-ARC type disease resistance protein
maker-3-augustus-gene-360.49-mRNA-1	NA	Japonica	LRR-NBS-TM	Os03g0599000	OsR498G0306507000.01.T01	Putative NB-ARC domain-containing protein
maker-3-augustus-gene-495.20-mRNA-1	NA	Japonica	LRR-NBS-TM	Os03g0849100	OsR498G03068000.01.T01	NB-ARC domain-containing protein
maker-6-augustus-gene-151.38-mRNA-1	NA	NA	LRR-NBS-TM	Os04g1215500	OsR498G0411546000.01.T01	Powdery mildew resistance protein PM3 variant
maker-6-augustus-gene-32.9-mRNA-1	NA	NA	LRR-NBS-TM	Os06g163800	OsR498G0611676000.01.T01	NBS-LRR type 1 protein Pgm-B8
maker-8-augustus-gene-198.41-mRNA-1	NA	NA	LRR-NBS-TM	Os08g0388300	OsR498G0815986100.01.T07	Disease resistance protein RPP3
maker-8-augustus-gene-198.49-mRNA-1	NA	NA	LRR-NBS-TM	Os08g0387700	OsR498G0815985400.01.T03	Disease resistance protein RPM1
maker-9-augustus-gene-55.8-mRNA-1	NA	NA	LRR-NBS-TM	0	OsR498G0916877900.01.T01	Disease resistance protein RPM1
maker-9-augustus-gene-99.0-mRNA-1	NA	NA	LRR-NBS-TM	0	OsR498G0916877900.01.T01	NBS-LRR disease resistance protein-like
maker-9-augustus-gene-284.7-mRNA-1	Japonica	Indica	LRR-NBS-TM	Os09g0339700	OsR498G0916877900.01.T01	Pib variant protein (Fragment)
augustus-2-processed-gene-166.21-mRNA-1	Indica	NA	LRR-TM	OsR498G0203803900.01.T01	OsR498G0203803900.01.T01	NB-ARC domain-containing protein
augustus-2-processed-gene-247.15-mRNA-1	Indica	Indica	LRR-TM	OsR498G0204309700.01.T01	OsR498G0204309700.01.T01	Putative LRR receptor-like serine/threonine-protein kinase (Fragment)
augustus-2-processed-gene-251.11-mRNA-1	Indica	NA	LRR-TM	OsR498G0204309700.01.T01	OsR498G0204309700.01.T01	Leucine-rich repeat-like protein
augustus-2-processed-gene-31.11-mRNA-1	Indica	NA	LRR-TM	Os02g0155700	OsR498G0203018700.01.T01	Tyrosine-sulfated glycoprotein receptor 1
augustus-2-processed-gene-34.2-mRNA-1	Indica	Japonica	LRR-TM	Os02g0161700	OsR498G0203018700.01.T01	LRR receptor-like serine/threonine-protein kinase FL52
augustus-8-processed-gene-103.47-mRNA-1	Indica	NA	LRR-TM	Os06g026400	OsR498G0611964900.01.T01	Putative somatic embryogenesis receptor kinase 1
maker-1-augustus-gene-350.22-mRNA-1	Indica	NA	LRR-TM	OsR498G020182300.01.T02	OsR498G020182300.01.T02	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1
maker-10-augustus-gene-164.29-mRNA-1	Indica	Japonica	LRR-TM	OsR498G1018872900.01.T01	OsR498G1018872900.01.T01	MDIS1-interacting receptor-like kinase 2
maker-11-augustus-gene-74.2-mRNA-1	Indica	NA	LRR-TM	OsR498G1119610600.01.T03	OsR498G1119610600.01.T03	NBS-LRR disease resistance protein family-4
maker-2-augustus-gene-247.3-mRNA-1	Indica	NA	LRR-TM	OsR498G0204309700.01.T01	OsR498G0204309700.01.T01	LRR receptor-like serine/threonine-protein kinase EFR
maker-3-augustus-gene-199.10-mRNA-1	Indica	NA	LRR-TM	Os03g0400850	OsR498G0306864590.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-3-augustus-gene-298.34-mRNA-1	Indica	NA	LRR-TM	Os10g0376200	OsR498G1018578500.01.T02	Dynein assembly factor 1, axonemal
maker-4-augustus-gene-112.45-mRNA-1	Indica	Indica	LRR-TM	Os04g0439700	OsR498G0408227200.01.T02	Putative verticillium wilt disease resistance protein
maker-8-augustus-gene-260.0-mRNA-1	Indica	Indica	LRR-TM	Os08g0499900	OsR498G0816398100.01.T01	F-box protein At-B
augustus-1-processed-gene-311.1-mRNA-1	Japonica	NA	LRR-TM	Os11g0729400	OsR498G010933900.01.T01	Receptor-like protein 29
augustus-1-processed-gene-185.22-mRNA-1	Japonica	NA	LRR-TM	Os11g0565000	OsR498G1120373300.01.T01	Leucine Rich Repeat family protein, expressed
augustus-11-processed-gene-75.39-mRNA-1	Japonica	NA	LRR-TM	Os11g0213500	OsR498G1119649900.01.T01	Pentatricopeptide repeat-containing protein
augustus-12-processed-gene-66.22-mRNA-1	Japonica	Indica	LRR-TM	Os12g0218500	OsR498G1221134900.01.T01	Leucine Rich Repeat family protein, expressed
augustus-2-processed-gene-20.27-mRNA-1	Japonica	NA	LRR-TM	Os02g0138000	OsR498G0202928200.01.T01	Leucine-rich repeat extensin-like protein 1
augustus-2-processed-gene-238.27-mRNA-1	Japonica	NA	LRR-TM	Os02g0603100	OsR498G0204256200.01.T01	Leucine-rich repeat receptor-like protein CLAVATA2
augustus-2-processed-gene-242.0-mRNA-1	Japonica	NA	LRR-TM	Os02g0609900	OsR498G0204256200.01.T01	Receptor-like protein kinase
augustus-2-processed-gene-312.6-mRNA-1	Japonica	NA	LRR-TM	Os02g0156400	OsR498G0202998000.01.T01	Protein kinase domain-containing protein (Fragment)
augustus-2-processed-gene-34.2-mRNA-1	Japonica	Japonica	LRR-TM	Os02g0161700	OsR498G0203018700.01.T01	Putative LRR receptor-like serine/threonine-protein kinase FL52
augustus-4-processed-gene-275.33-mRNA-1	Japonica	NA	LRR-T			

maker-11-augustus-gene-184.0-mRNA-1	Japonica	NA	LRR-TM						
maker-11-augustus-gene-74.2-mRNA-1	Japonica	NA	LRR-TM						
maker-11-augustus-gene-75.17-mRNA-1	Japonica	Indica	LRR-TM	Os11g0213700	OsR498G1119610600.01.T03	NBS-LRR disease resistance protein family-4			
maker-2-augustus-gene-100.57-mRNA-1	Japonica	NA	LRR-TM	Os2g02074200	OsR498G1119615600.01.T02	Disease resistance protein RGA2			
maker-2-augustus-gene-190.3-mRNA-1	Japonica	NA	LRR-TM						
maker-2-augustus-gene-244.45-mRNA-1	Japonica	NA	LRR-TM						
maker-2-augustus-gene-31.64-mRNA-1	Japonica	NA	LRR-TM	Os2g0613200	OsR498G0204293400.01.T01	Regulatory subunit			
maker-2-augustus-gene-74.39-mRNA-1	Japonica	NA	LRR-TM	Os2g0215800	OsR498G0203001200.01.T02	Tyrosine-sulfated glycopeptide receptor 1			
maker-3-augustus-gene-22.0-mRNA-1	Japonica	NA	LRR-TM	Os2g0223000	OsR498G0203274700.01.T03	Protein phosphatase 1 regulatory subunit pprA			
maker-3-augustus-gene-42.49-mRNA-1	Japonica	NA	LRR-TM	Os3g0440900	OsR498G0304297500.01.T01	Somatic embryogenesis receptor kinase 1			
maker-3-augustus-gene-44.53-mRNA-1	Japonica	Indica	LRR-TM	Os3g0318400	OsR498G0305345100.01.T01	Leucine-rich repeat receptor-like serine/threonine-protein kinase			
maker-3-augustus-gene-46.25-mRNA-1	Japonica	NA	LRR-TM	Os3g0190300	OsR498G0305366800.01.T02	Dynein assembly factor 1, axonemal			
maker-3-augustus-gene-56.75-mRNA-1	Japonica	NA	LRR-TM	Os3g0795300	OsR498G0307198000.01.T01	Leucine-rich repeat extensin-like protein 6			
maker-4-augustus-gene-187.12-mRNA-1	Japonica	NA	LRR-TM	Os4g0480500	OsR498G0305445400.01.T01	probable leucine-rich repeat receptor-like protein kinase At1g35710			
maker-4-augustus-gene-198.30-mRNA-1	Japonica	NA	LRR-TM	Os4g0503500	OsR498G040870900.01.T01	Serine/threonine-protein kinase BR1-like protein 2			
maker-4-augustus-gene-259.29-mRNA-1	Japonica	Indica	LRR-TM	Os4g0616700	OsR498G0408848000.01.T07	F-box/LRR-repeat protein 14-like isoform X2			
maker-4-augustus-gene-259.33-mRNA-1	Japonica	Indica	LRR-TM	Os4g0616700	OsR498G0409282200.01.T05	Non-specific serine/threonine protein kinase			
maker-4-augustus-gene-259.37-mRNA-1	Japonica	Indica	LRR-TM	Os4g0616700	OsR498G0409282400.01.T05	Non-specific serine/threonine protein kinase			
maker-4-augustus-gene-275.3-mRNA-1	Japonica	NA	LRR-TM		OsR498G0409378300.01.T01	LRR binding protein			
maker-5-augustus-gene-200.18-mRNA-1	Japonica	NA	LRR-TM	Os5g0393100	OsR498G0510775500.01.T01	Serine-threonine protein kinase, plant-type, putative isoform 2			
maker-5-augustus-gene-258.5-mRNA-1	Japonica	NA	LRR-TM	Os5g0501600	OsR498G0511119100.01.T01	Dynein light chain 1, axonemal			
maker-5-augustus-gene-31.26-mRNA-1	Japonica	NA	LRR-TM	Os5g0515400	OsR498G0509763000.01.T01	Putative receptor protein kinase TMK1			
maker-5-augustus-gene-96.3-mRNA-1	Japonica	Indica	LRR-TM	Os5g0527100	OsR498G0510169700.01.T01	Non-specific serine/threonine protein kinase			
maker-6-augustus-gene-249.63-mRNA-1	Japonica	Japonica	LRR-TM	Os5g06021500	OsR498G0512965800.01.T01	NAF domain-containing protein			
maker-6-augustus-gene-250.44-mRNA-1	Japonica	NA	LRR-TM	Os5g0621500	OsR498G0512965800.01.T01	Putative disease resistance RPP13-like protein 1			
maker-6-augustus-gene-291.69-mRNA-1	Japonica	NA	LRR-TM	Os5g0692700	OsR498G0613225200.01.T03	Tyrosine-sulfated glycopeptide receptor 1			
maker-8-augustus-gene-267.30-mRNA-1	Japonica	NA	LRR-TM		OsR498G0616450000.01.T02	Plant intracellular Ras-group-related LRR protein 4			
maker-9-augustus-gene-218.12-mRNA-1	Japonica	NA	LRR-TM	Os09g058300	OsR498G0917614700.01.T01	Putative leucine-rich repeat receptor-like serine/threonine-protein kinase			
augustus-1-processed-gene-240.28-mRNA-1	NA	Indica	LRR-TM	Os09g058300	OsR498G0917912500.01.T01	Chitin elicitor-binding protein			
augustus-1-processed-gene-29.2-mRNA-1	NA	Japonica	LRR-TM	Os1g0153000	OsR498G0102493700.01.T01	Leucine-rich repeat extensin-like protein 3			
augustus-1-processed-gene-394.52-mRNA-1	NA	NA	LRR-TM	Os1g01891700	OsR498G0102493700.01.T01	RNA polymerase Rpb7-like, N-terminal domain			
augustus-1-processed-gene-395.39-mRNA-1	NA	NA	LRR-TM	Os1g01892300	OsR498G0102496500.01.T01	Putative systemin receptor SR160			
augustus-1-processed-gene-403.32-mRNA-1	NA	NA	LRR-TM	0	OsR498G0101567200.01.T01	Protein TOO MANY MOUTHS like			
augustus-1-processed-gene-446.16-mRNA-1	NA	NA	LRR-TM	Os1g01892300	OsR498G0102496500.01.T01	Putative systemin receptor SR160			
augustus-1-processed-gene-446.3-mRNA-1	NA	NA	LRR-TM	Os1g01891700	OsR498G0102493700.01.T01	RNA polymerase Rpb7-like, N terminal domain			
augustus-1-processed-gene-454.40-mRNA-1	NA	NA	LRR-TM	0	OsR498G0101567200.01.T01	Protein TOO MANY MOUTHS like			
augustus-1-processed-gene-466.5-mRNA-1	NA	NA	LRR-TM	Os1g01601700		LRR receptor-like serine/threonine-protein kinase GSO1			
augustus-11-processed-gene-230.23-mRNA-1	NA	NA	LRR-TM	Os1g01604100	OsR498G1120628100.01.T01	Leucine-rich repeat receptor-like kinase protein THICK TASSSEL DWARF1			
augustus-12-processed-gene-68.16-mRNA-1	NA	Japonica	LRR-TM	Os1g0222800	OsR498G1221130500.01.T01	Leucine Rich Repeat family protein, expressed			
augustus-2-processed-gene-166.21-mRNA-1	NA	NA	LRR-TM	0	OsR498G0203803900.01.T01	NB-ARC domain-containing protein			
augustus-2-processed-gene-246.15-mRNA-1	NA	NA	LRR-TM		OsR498G0204304700.01.T01	Leucine-rich repeat-like protein			
augustus-2-processed-gene-247.15-mRNA-1	NA	Indica	LRR-TM	Os2g0615300	OsR498G0204309700.01.T01	Putative LRR receptor-like serine/threonine-protein kinase (Fragment)			
augustus-4-processed-gene-146.12-mRNA-1	NA	NA	LRR-TM	0	OsR498G0408493900.01.T01	Protein kinase domain containing protein, expressed			
augustus-5-processed-gene-274.72-mRNA-1	NA	NA	LRR-TM	Os5g0530701	OsR498G0511233000.01.T01	Too many mouths protein			
augustus-8-processed-gene-102.47-mRNA-1	NA	NA	LRR-TM	Os5g0626400		Putative somatic embryogenesis protein kinase 1			
augustus_masked-1-processed-gene-265.17-mRNA-1	NA	NA	LRR-TM	OsR498G0101567200.01.T01	OsR498G0101567200.01.T01	Protein TOO MANY MOUTHS like			
augustus_masked-1-processed-gene-418.57-mRNA-1	NA	Indica	LRR-TM	Os1g01594300	OsR498G0101457300.01.T01	Leucine-rich repeat extensin-like protein 3			
augustus_masked-1-processed-gene-470.9-mRNA-1	NA	Indica	LRR-TM	Os1g01594300	OsR498G0101457300.01.T01	Leucine-rich repeat extensin-like protein 3			
augustus_masked-12-processed-gene-63.37-mRNA-1	NA	Japonica	LRR-TM	Os1g0215950	OsR498G1221115800.01.T01	Leucine Rich Repeat family protein, expressed			
augustus_masked-3-processed-gene-16.27-mRNA-1	NA	NA	LRR-TM	Os3g0313400	OsR498G0305181500.01.T01	Chitin elicitor-binding protein (Fragment)			
augustus_masked-5-processed-gene-2.69-mRNA-1	NA	Japonica	LRR-TM	Os5g0104600	OsR498G0509566700.01.T01	Polygalacturonase inhibitor			
augustus_masked-5-processed-gene-3.57-mRNA-1	NA	NA	LRR-TM	Os5g0104700	OsR498G0509566700.01.T01	Polygalacturonase inhibitor			
augustus_masked-6-processed-gene-21.33-mRNA-1	NA	NA	LRR-TM	Os5g0614000	OsR498G0611600200.01.T01	Serine/threonine-protein kinase bri1, putative			
augustus_masked-6-processed-gene-21.35-mRNA-1	NA	NA	LRR-TM	Os5g06140200	OsR498G0611600600.01.T01	Leucine-rich repeat domain, L domain like protein			
augustus_masked-6-processed-gene-21.36-mRNA-1	NA	NA	LRR-TM	Os5g06140300	OsR498G0611601000.01.T01	(Phosphatase 2A protein)-leucine-carboxy methyltransferase 1			
maker-1-augustus-gene-25.37-mRNA-1	NA	NA	LRR-TM	Os1g0140400	OsR498G0100141500.01.T06	Di-glucose binding protein with Leucine-rich repeat domain			
maker-1-augustus-gene-32.49-mRNA-1	NA	NA	LRR-TM	0	OsR498G007494400.01.T01	LRR receptor-like serine/threonine-protein kinase FL52			
maker-10-augustus-gene-139.21-mRNA-1	NA	NA	LRR-TM	0	OsR498G007494400.01.T01	Protein kinase domain-containing protein			
maker-10-augustus-gene-164.29-mRNA-1	NA	Japonica	LRR-TM	Os1g0649600	OsR498G1018872900.01.T01	MDIS1-interacting receptor like kinase 2			
maker-10-augustus-gene-30.6-mRNA-1	NA	NA	LRR-TM	Os1g0210400	OsR498G1018135400.01.T02	probable leucine-rich repeat receptor-like protein kinase At5g49770			
maker-11-augustus-gene-74.2-mRNA-1	NA	NA	LRR-TM	0	OsR498G1119610600.01.T03	NBS-LRR disease resistance protein family-4			
maker-12-augustus-gene-12.12-mRNA-1	NA	NA	LRR-TM			NB-ARC domain-containing protein			
maker-12-augustus-gene-18.48-mRNA-1	NA	NA	LRR-TM			NB-ARC domain-containing protein			
maker-12-augustus-gene-281.10-mRNA-1	NA	NA	LRR-TM	Os07g0115400		LRR receptor-like serine/threonine-protein kinase FL52			
maker-2-augustus-gene-190.3-mRNA-1	NA	NA	LRR-TM						
maker-2-augustus-gene-234.0-mRNA-1	NA	NA	LRR-TM	Os2g0593600	OsR498G0204224100.01.T01	Plant intracellular Ras-group-related LRR protein 2			
maker-2-augustus-gene-247.5-mRNA-1	NA	Indica	LRR-TM	Os2g0615800	OsR498G0204310500.01.T04	LRR receptor-like serine/threonine-protein kinase EFR			
maker-2-augustus-gene-248.0-mRNA-1	NA	Indica	LRR-TM	Os2g0615300	OsR498G0204314300.01.T03	Putative receptor like protein 12			
maker-2-augustus-gene-31.58-mRNA-1	NA	NA	LRR-TM			Protein kinase domain-containing protein (Fragment)			
maker-2-augustus-gene-31.66-mRNA-1	NA	NA	LRR-TM			Tyrosine-sulfated glycopeptide receptor 1			
maker-2-augustus-gene-31.67-mRNA-1	NA	Japonica	LRR-TM	Os2g0157200	OsR498G0202990800.01.T01	Tyrosine-sulfated glycopeptide receptor 1			
maker-4-augustus-gene-275.10-mRNA-1	NA	NA	LRR-TM			Phytosulfokine receptor 1			
maker-5-augustus-gene-104.35-mRNA-1	NA	Indica	LRR-TM	Os4g0291900	OsR498G0510203700.01.T01	Non-specific serine/threonine protein kinase			
maker-5-augustus-gene-2.13-mRNA-1	NA	NA	LRR-TM	Os5g0104100	OsR498G0509566700.01.T01	Vacuolar sorting protein 39/Transforming growth factor beta receptor-associated domain			
maker-5-augustus-gene-40.2-mRNA-1	NA	NA	LRR-TM	Os5g0170300	OsR498G0509827500.01.T01	LRR receptor-like serine/threonine-protein kinase			
maker-5-augustus-gene-40.23-mRNA-1	NA	NA	LRR-TM	Os5g0170700	OsR498G0509830600.01.T01	Protein NSP-INTERACTING KINASE 2			
maker-5-augustus-gene-98.23-mRNA-1	NA	NA	LRR-TM	Os498G0407958200.01.T02	OsR498G0407958200.01.T02	Non-specific serine/threonine protein kinase			
maker-6-augustus-gene-249.63-mRNA-1	NA	Japonica	LRR-TM	Os5g0621500	OsR498G0612965800.01.T01	NAF domain-containing protein			
maker-6-augustus-gene-25.37-mRNA-1	NA	NA	LRR-TM	Os5g0621500	OsR498G0612965800.01.T01	NAF domain-containing protein (Fragment)			
maker-6-augustus-gene-30.71-mRNA-1	NA	NA	LRR-TM	Os5g06179800	OsR498G0611719000.01.T01	Putative leucine-rich repeat domain, L domain-containing protein			
maker-6-augustus-gene-93.36-mRNA-1	NA	Indica	LRR-TM	Os5g0274500	OsR498G0612087300.01.T01	Somatic embryogenesis receptor kinase 1-like			
maker-7-augustus-gene-185.46-mRNA-1	NA	NA	LRR-TM	Os07g0501800	OsR498G0714373600.01.T01	Receptor like protein 4			
maker-7-augustus-gene-197.75-mRNA-1	NA	NA	LRR-TM	0	OsR498G0714448800.01.T02	Patatin			
maker-7-augustus-gene-5.39-mRNA-1	NA	NA	LRR-TM	Os07g0115400		LRR receptor-like serine/threonine-protein kinase FL52			
maker-8-augustus-gene-145.29-mRNA-1	NA	NA	LRR-TM	Os08g0322500	OsR498G0815772300.01.T01	Putative LRR receptor-like serine/threonine-protein kinase			
maker-8-augustus-gene-240.0-mRNA-1	NA	Indica	LRR-TM	Os08g049900	OsR498G0816398100.01.T01	F-box protein At 8			
maker-11-augustus-gene-87.44-mRNA-1	Indica	NA	NBS	Os12g023800		Cytosin			
maker-1-augustus-gene-259.42-mRNA-1	Japonica	Indica	NBS	Os12g0539800	OsR498G0101591800.01.T01				
maker-1-augustus-gene-325.2-mRNA-1	Japonica	NA	NBS	Os1g01757400	OsR498G0102022500.01.T02	AAA domain-containing protein (Fragment)			
maker-11-augustus-gene-252.57-mRNA-1	Japonica	Japonica	NBS	Os11g064600	OsR498G1120731800.01.T01	NBS-LRR disease resistance protein homologue-like			
maker-4-augustus-gene-271.50-mRNA-1	NA	NA	NBS	Os4g0346000	OsR498G040952200.01.T01	Shikimate kinase			
maker-7-augustus-gene-229.43-mRNA-1	Japonica	NA	NBS	Os07g053100	OsR498G0714613100.01.T02	Adenylyl-sulfate kinase			
maker-8-augustus-gene-92.16-mRNA-1	Japonica	NA	NBS			Resistance protein PSH-RGH6			
augustus_masked-12-processed-gene-127.26-mRNA-1	NA	Japonica	NBS	Os12g0409901	OsR498G1221377600.01.T02	ABC transporter domain-containing protein			
maker-11-augustus-gene-252.57-mRNA-1	NA	Japonica	NBS	Os11g064600	OsR498G1120731800.01.T01	NBS-LRR disease resistance protein homologue-like			
maker-3-augustus-gene-401.26-mRNA-1	NA	NA	NBS	Os03g0670100	OsR498G0306740000.01.T02	Protein TRIGALACTOSYLDIACYLGLYCEROL 3 chloroplastic			
maker-8-augustus-gene-96.41-mRNA-1	NA	NA	NBS	Os08g016400		Disease resistance RPP13-like protein			
augustus-8-processed-gene-189.5-mRNA-1	Indica	NA	NBS-TM	Os08g037400		CC-NBS-LRR type disease resistance protein NLRI-V			
augustus_masked-11-processed-gene-253.37-mRNA-1	Indica	NA	NBS-TM	Os11g064900	OsR498G1120736800.01.T01	NBS-LRR disease resistance protein homologue-like			
augustus_masked-6-processed-gene-102.3-mRNA-1	Indica	NA	NBS-TM	Os11g064900	OsR498G0612165700.01.T01	Disease resistance protein RPM1			
maker-1-augustus-gene-473.15-mRNA-1	Indica	NA	NBS-TM	Os01g0911300	OsR498G0102556000.01.T01	ABC transporter B family member 26, chloroplastic			
maker-1-augustus-gene-142.50-mRNA-1	Indica	NA	NBS-TM			Pollen signalling protein with adenylyl cyclase activity (Fragment)			
maker-12-augustus-gene-256.3-mRNA-1	Indica	NA	NBS-TM	Os12g0401200	OsR498G1220503300.01.T04	PRK domain-containing protein (Fragment)			
maker-2-augustus-gene-182.49-mRNA-1	Indica	NA	NBS-TM			Disease resistance protein RGA2			
maker-3-augustus-gene-301.25-mRNA-1	Indica	NA	NBS-TM	Os10g0370100		calmodulin-binding transcription activator 3			
maker-3-augustus-gene-304.14-mRNA-1	Indica	NA	NBS-TM		OsR498G1018551100.01.T01	NB-ARC domain containing protein, expressed			
maker-5-augustus-gene-75.42-mRNA-1	Indica	NA	NBS-TM	Os5g0222200	OsR498G0510052200.01.T01	Eceriferum 5 (Fragment)			
maker-6-augustus-gene-102.42-mRNA-1	Indica	NA	NBS-TM			Disease resistance protein RPM1			
maker-8-augustus-gene-60.12-mRNA-1	Indica	NA	NBS-TM	Os08g0202400	OsR498G0815386000.01.T02	NB-ARC domain-containing protein			
maker-9-augustus-gene-88.25-mRNA-1	Indica	NA	NBS-TM			NBS-LRR protein (Fragment)			
augustus-1-processed-gene-120.2-mRNA-1	Japonica	NA	NBS-TM		OsR498G0100788500.01.T01	NB-ARC domain-containing protein			
augustus-1-processed-gene-345.2-mRNA-1	Japonica	NA	NBS-TM	Os10g0799100	OsR498G10102814900.01.T02	NB-ARC domain-containing protein	</		

maker-11-augustus-gene-225.3-mRNA-1	Japanica	Indica	NBS-TM	Os07g0573100	OsR498G1120588100.01.T01	Adenylyl-sulfate kinase	
maker-11-augustus-gene-253.1-mRNA-1	Japanica	Indica	NBS-TM	Os11g0684100	OsR498G1120735400.01.T01	NBS-LRR disease resistance protein homologue-like	
maker-11-augustus-gene-37.17-mRNA-1	Japanica	NA	NBS-TM	Os11g0184900	OsR498G1119531400.01.T01	NAC domain transcription factor	
maker-11-augustus-gene-46.22-mRNA-1	Japanica	Indica	NBS-TM	OsR498G1119768400.01.T01	OsR498G1119768400.01.T01	NB-ARC domain, putative	
maker-11-augustus-gene-46.8-mRNA-1	Japanica	Japanica	NBS-TM	Os11g0266500	OsR498G1119768700.01.T02	Disease resistance protein RPM1	
maker-11-augustus-gene-59.22-mRNA-1	Japanica	NA	NBS-TM	OsR498G111970900.01.T04	OsR498G111970900.01.T04	Leucine Rich Repeat family protein, expressed	
maker-11-augustus-gene-7.73-mRNA-1	Japanica	Indica	NBS-TM	Os08g0170200	OsR498G1119365800.01.T01	Disease resistance protein RPM1	
maker-12-augustus-gene-197.0-mRNA-1	Japanica	NA	NBS-TM	OsR498G1221658300.01.T01	OsR498G1221658300.01.T01	NB-ARC domain containing protein, expressed	
maker-12-augustus-gene-206.38-mRNA-1	Japanica	NA	NBS-TM	Os12g0511400	OsR498G1221703400.01.T01	NB-ARC domain containing protein, expressed	
maker-12-augustus-gene-206.36-mRNA-1	Japanica	NA	NBS-TM			NB-ARC domain containing protein, expressed	
maker-12-augustus-gene-207.37-mRNA-1	Japanica	NA	NBS-TM			NB-ARC domain containing protein, expressed	
maker-12-augustus-gene-234.92-mRNA-1	Japanica	NA	NBS-TM	Os12g0564800	OsR498G1221892000.01.T02	NB-ARC domain containing protein expressed	
maker-12-augustus-gene-36.0-mRNA-1	Japanica	NA	NBS-TM	OsR498G1221011500.01.T01	OsR498G1221011500.01.T01	Disease resistance protein RPM1	
maker-2-augustus-gene-127.48-mRNA-1	Japanica	Indica	NBS-TM	Os02g0318500	OsR498G203559000.01.T05	PDR-type ABC transporter	
maker-3-augustus-gene-450.0-mRNA-1	Japanica	NA	NBS-TM	Os03g0755100	OsR498G2030765300.01.T01	Transporter associated with antigen processing protein 2	
maker-3-augustus-gene-51.40-mRNA-1	Japanica	Indica	NBS-TM	Os07g0573100	OsR498G2030541400.01.T04	Adenylyl-sulfate kinase	
maker-3-augustus-gene-99.37-mRNA-1	Japanica	NA	NBS-TM	OsR498G20305742500.01.T01	OsR498G20305742500.01.T01	Macro domain-containing protein	
maker-4-augustus-gene-262.52-mRNA-1	Japanica	Japanica	NBS-TM	Os04g0621500	OsR498G0409298500.01.T01	NBS-type RGA protein (Fragment)	
maker-5-augustus-gene-193.0-mRNA-1	Japanica	NA	NBS-TM	Os05g0379500	OsR498G0510726700.01.T05	Powdery mildew resistance protein PM3 variant	
maker-5-augustus-gene-193.3-mRNA-1	Japanica	NA	NBS-TM	Os05g0380300	OsR498G0510726700.01.T05	Powdery mildew resistance protein PM3	
maker-5-augustus-gene-246.48-mRNA-1	Japanica	Japanica	NBS-TM	Os05g0477000	OsR498G0511050000.01.T01	NBS-LRR disease resistance protein homologue-like	
maker-5-augustus-gene-86.6-mRNA-1	Japanica	NA	NBS-TM	Os05g0240200	OsR498G0510120000.01.T03	TOPLLESS-related 1 isoform 2	
maker-6-augustus-gene-102.42-mRNA-1	Japanica	NA	NBS-TM			Disease resistance protein RPM1	
maker-6-augustus-gene-102.49-mRNA-1	Japanica	NA	NBS-TM			Disease resistance protein RPM1	
maker-6-augustus-gene-194.39-mRNA-1	Japanica	NA	NBS-TM			Disease resistance protein RPP13	
maker-6-augustus-gene-249.57-mRNA-1	Japanica	Japanica	NBS-TM	Os06g0619000	OsR498G0612961500.01.T01	Putative disease resistance protein RGA3	
maker-6-augustus-gene-5.75-mRNA-1	Japanica	NA	NBS-TM	Os06g0109400	OsR498G0611490500.01.T01	Cell division control protein C	
maker-7-augustus-gene-42.45-mRNA-1	Japanica	NA	NBS-TM	OsR498G0713654200.01.T01	OsR498G0713654200.01.T01	AAA domain-containing protein	
maker-7-augustus-gene-97.8-mRNA-1	Japanica	NA	NBS-TM			Putative disease resistance RPP13-like protein 1	
maker-8-augustus-gene-46.43-mRNA-1	Japanica	NA	NBS-TM			Disease resistance RPP13-like protein 4	
maker-8-augustus-gene-60.12-mRNA-1	Japanica	NA	NBS-TM	Os08g0203400	OsR498G0815386000.01.T02	NB-ARC domain-containing protein	
maker-8-augustus-gene-85.10-mRNA-1	Japanica	Indica	NBS-TM	Os08g0235600	OsR498G0815501900.01.T01	NB-ARC domain-containing protein	
maker-9-augustus-gene-87.0-mRNA-1	Japanica	NA	NBS-TM			NB-ARC domain-containing protein	
augustus-1-processed-gene-244.17-mRNA-1	NA	NA	NBS-TM	0	OsR498G0101487100.01.T01	Disease resistance protein RPP13	
augustus-1-processed-gene-407.14-mRNA-1	NA	NA	NBS-TM	Os01g0615500	OsR498G0101542000.01.T01	ATPase, coupled to transmembrane movement of substances	
augustus-1-processed-gene-459.1-mRNA-1	NA	NA	NBS-TM	Os01g0615500	OsR498G0101542000.01.T01	ATPase, coupled to transmembrane movement of substances	
augustus-11-processed-gene-208.33-mRNA-1	NA	NA	NBS-TM	Os11g0405100	OsR498G11020735400.01.T01	NB-ARC domain containing protein, expressed	
augustus-11-processed-gene-252.35-mRNA-1	NA	NA	NBS-TM	Os11g0684100	OsR498G11120735400.01.T01	NBS-LRR disease resistance protein homologue-like	
augustus-11-processed-gene-43.45-mRNA-1	NA	Japanica	NBS-TM	Os11g0263000	OsR498G1119746200.01.T02	Similar to NBS-LRR disease resistance protein homologue	
augustus-4-processed-gene-129.53-mRNA-1	NA	NA	NBS-TM	Os04g0375300	OsR498G0408366900.01.T01	NB-ARC domain-containing protein	
augustus-4-processed-gene-130.56-mRNA-1	NA	NA	NBS-TM	0	OsR498G0408382700.01.T01	Disease resistance protein RGA2	
augustus-7-processed-gene-28.9-mRNA-1	NA	NA	NBS-TM	Os07g0160300	OsR498G0713563100.01.T01	P-loop containing nucleoside triphosphate hydrolase	
augustus-8-processed-gene-100.23-mRNA-1	NA	NA	NBS-TM	0	OsR498G0815571800.01.T01	Disease resistance protein RPM1	
augustus-8-processed-gene-189.5-mRNA-1	NA	NA	NBS-TM	Os08g0373400	OsR498G0815569000.01.T01	CC-NBS-LRR type disease resistance protein NLR-V	
augustus-8-processed-gene-43.39-mRNA-1	NA	NA	NBS-TM			Disease resistance protein RPP13	
augustus-8-processed-gene-99.30-mRNA-1	NA	NA	NBS-TM	Os08g0258700	OsR498G0815569000.01.T01	Nucleotide-binding leucine-rich-repeat protein 1	
augustus_masked-1-processed-gene-251.5-mRNA-1	NA	NA	NBS-TM	Os01g0615500	OsR498G0101542000.01.T01	ATPase, coupled to transmembrane movement of substances	
augustus_masked-11-processed-gene-262.11-mRNA-1	NA	NA	NBS-TM	Os05g0230700	OsR498G0510149400.01.T01	NB-ARC domain, putative	
augustus_masked-3-processed-gene-309.6-mRNA-1	NA	NA	NBS-TM			Disease resistance protein RPM1	
augustus_masked-6-processed-gene-102.3-mRNA-1	NA	NA	NBS-TM	0	OsR498G0612165700.01.T01	Disease resistance protein RPM1	
augustus_masked-6-processed-gene-182.21-mRNA-1	NA	Indica	NBS-TM	Os06g0503100	OsR498G0612565500.01.T01	ATPase, coupled to transmembrane movement of substances	
augustus_masked-8-processed-gene-198.16-mRNA-1	NA	NA	NBS-TM	Os08g0388300	OsR498G0815986100.01.T03	NB-ARC domain containing protein, expressed	
maker-1-augustus-gene-414.45-mRNA-1	NA	NA	NBS-TM	0	OsR498G0101487100.01.T01	Mitochondrial import inner membrane translocase subunit	
maker-1-augustus-gene-465.15-mRNA-1	NA	NA	NBS-TM	0	OsR498G0101487100.01.T01	Mitochondrial import inner membrane translocase subunit	
maker-11-augustus-gene-253.1-mRNA-1	NA	Indica	NBS-TM	Os11g0684100	OsR498G1120735400.01.T01	NBS-LRR disease resistance protein homologue-like	
maker-12-augustus-gene-176.30-mRNA-1	NA	NA	NBS-TM			Putative NB-ARC domain-containing protein (Fragment)	
maker-12-augustus-gene-197.0-mRNA-1	NA	NA	NBS-TM	0	OsR498G1221658300.01.T01	NB-ARC domain containing protein, expressed	
maker-12-augustus-gene-234.92-mRNA-1	NA	NA	NBS-TM	Os12g0564800	OsR498G1221892000.01.T02	NB-ARC domain containing protein expressed	
maker-2-augustus-gene-130.56-mRNA-1	NA	NA	NBS-TM			Putative disease resistance protein RGA4	
maker-3-augustus-gene-185.7-mRNA-1	NA	Indica	NBS-TM	Os07g0501500	OsR498G0306409500.01.T01	Disease resistance protein RPM1	
maker-3-augustus-gene-251.24-mRNA-1	NA	Japanica	NBS-TM	Os03g0599000	OsR498G0306507000.01.T01	Putative NBS-LRR type resistance protein	
maker-3-augustus-gene-301.25-mRNA-1	NA	NA	NBS-TM	Os10g0370100	OsR498G1018551100.01.T01	calmodulin-binding transcription activator 3	
maker-3-augustus-gene-304.14-mRNA-1	NA	NA	NBS-TM	0	OsR498G1018551100.01.T01	NB-ARC domain containing protein, expressed	
maker-4-augustus-gene-129.11-mRNA-1	NA	Indica	NBS-TM	Os04g0374175	OsR498G0408366900.01.T02	NB-ARC domain-containing protein	
maker-4-augustus-gene-150.52-mRNA-1	NA	NA	NBS-TM	Os04g0413000	OsR498G0408366900.01.T02	ABC transporter B family member 29 chloroplastic	
maker-5-augustus-gene-193.0-mRNA-1	NA	NA	NBS-TM	Os05g0379500	OsR498G0510726700.01.T05	Powdery mildew resistance protein PM3 variant	
maker-5-augustus-gene-193.3-mRNA-1	NA	NA	NBS-TM	Os05g0380300	OsR498G0510726700.01.T05	Powdery mildew resistance protein PM3 variant	
maker-5-augustus-gene-75.42-mRNA-1	NA	NA	NBS-TM	Os05g0222200	OsR498G0510052200.01.T01	Eceriferum 5 (Fragment)	
maker-5-augustus-gene-86.6-mRNA-1	NA	NA	NBS-TM	Os05g0240200	OsR498G0510120000.01.T03	TOPLLESS-related 1 isoform 2	
maker-6-augustus-gene-101.22-mRNA-1	NA	NA	NBS-TM	Os06g0286500	OsR498G0612159700.01.T03	NBS-LRR disease resistance protein homologue	
maker-6-augustus-gene-102.42-mRNA-1	NA	NA	NBS-TM			Disease resistance protein RPM1	
maker-6-augustus-gene-102.49-mRNA-1	NA	NA	NBS-TM	0	OsR498G0612165900.01.T03	Disease resistance protein RPM1	
maker-6-augustus-gene-24.47-mRNA-1	NA	NA	NBS-TM	Os06g0146100	OsR498G0611619900.01.T05	NBS-LRR type R protein Pth-1	
maker-6-augustus-gene-30.64-mRNA-1	NA	NA	NBS-TM	Os06g0158300	OsR498G0611659900.01.T02	Putative NB-ARC domain-containing protein (Fragment)	
maker-6-augustus-gene-8.48-mRNA-1	NA	NA	NBS-TM	Os06g0114600	OsR498G0611507900.01.T02	Glucanase kinase	
maker-7-augustus-gene-242.53-mRNA-1	NA	NA	NBS-TM	Os07g0591900	OsR498G0713654200.01.T01	Penitricopeptide repeat	
maker-8-augustus-gene-152.44-mRNA-1	NA	NA	NBS-TM			NBS-LRR disease resistance protein homologue (Fragment)	
maker-8-augustus-gene-43.0-mRNA-1	NA	NA	NBS-TM	Os08g0170200	OsR498G0815279900.01.T01	Disease resistance protein RPP13	
maker-9-augustus-gene-87.0-mRNA-1	NA	NA	NBS-TM			NB-ARC domain-containing protein	
maker-9-augustus-gene-88.25-mRNA-1	NA	NA	NBS-TM			NBS-LRR protein (Fragment)	
maker-10-augustus-gene-22.26-mRNA-1	Japanica	Indica	NBS-TM	PIK, PIKM	Os11g0689100	OsR498G1018095600.01.T01	Disease resistance protein Pks-2
maker-11-augustus-gene-155.0-mRNA-1	Japanica	Indica	NBS-TM	PIK, PIKM	Os11g0689100	OsR498G1120737900.01.T02	Disease resistance protein Pks-2
maker-6-augustus-gene-128.0-mRNA-1	Japanica	NA	NBS-TM	PID3	Os06g0330100	OsR498G0612165900.01.T03	Resistance protein (Fragment) PID3
augustus_masked-12-processed-gene-108.24-mRNA-1	Japanica	NA	NBS-TM	PITA	Os12g0281300	OsR498G1221311800.01.T01	Blast resistance protein Pi-ta
maker-8-augustus-gene-284.6-mRNA-1	Japanica	Indica	PtHB4	Os08g0539700	OsR498G0816550100.01.T01	Brown planthopper resistance protein BPH1/9	
maker-12-augustus-gene-110.45-mRNA-1	Japanica	Indica	PTR	Os12g0285100	OsR498G1221322300.01.T01	Disease resistance protein	
maker-12-augustus-gene-111.26-mRNA-1	Japanica	Japanica	PTR	Os12g0285100	OsR498G1221325200.01.T02	Disease resistance protein (Fragment)	
augustus-1-processed-gene-30.34-mRNA-1	Indica	NA	Kinase-TM	Os01g0155500	OsR498G0100197900.01.T01	Receptor-like protein kinase HERK 1	
augustus-1-processed-gene-8.3-mRNA-1	Indica	Japanica	Kinase-TM	Os01g0113650	OsR498G0100044500.01.T01	Putative receptor serine/threonine kinase PR5K	
augustus-10-processed-gene-1.21-mRNA-1	Indica	NA	Kinase-TM	Os10g0101000	OsR498G1017996700.01.T01	Non-specific serine/threonine protein kinase	
augustus-2-processed-gene-33.34-mRNA-1	Indica	NA	Kinase-TM	Os02g0161000	OsR498G0203015000.01.T02	Non-specific serine/threonine protein kinase	
augustus-4-processed-gene-154.23-mRNA-1	Indica	NA	Kinase-TM	Os04g0428400	OsR498G0408253300.01.T01	Non-specific serine/threonine protein kinase (Fragment)	
augustus-5-processed-gene-293.4-mRNA-1	Indica	NA	Kinase-TM	Os05g0564000	OsR498G0511355000.01.T05	Mitogen-activated protein kinase	
augustus-5-processed-gene-66.22-mRNA-1	Indica	Japanica	Kinase-TM	Os05g0208100	OsR498G0616176500.01.T01	Non-specific serine/threonine protein kinase	
augustus-7-processed-gene-12.18-mRNA-1	Indica	NA	Kinase-TM	Os07g0130100	OsR498G0713460400.01.T01	L-type lectin-domain containing receptor kinase IV.2	
augustus-7-processed-gene-12.19-mRNA-1	Indica	NA	Kinase-TM	Os07g0130200	OsR498G0713461200.01.T01	Putative receptor kinase Leckr	
augustus-7-processed-gene-12.20-mRNA-1	Indica	Japanica	Kinase-TM	Os07g0130300	OsR498G0713999000.01.T01	L-type lectin-domain containing receptor kinase IV.1	
augustus-7-processed-gene-12.25-mRNA-1	Indica	NA	Kinase-TM	Os07g0130800	OsR498G0713462000.01.T01	Putative receptor kinase Leckr	
augustus-7-processed-gene-12.31-mRNA-1	Indica	NA	Kinase-TM	Os07g0132150	OsR498G0713464000.01.T01	L-type lectin-domain containing receptor kinase IV.2	
augustus-7-processed-gene-13.14-mRNA-1	Indica	NA	Kinase-TM	OsR498G0713464300.01.T06	OsR498G0713464300.01.T06	Putative receptor-type protein kinase Lrk1	
augustus-7-processed-gene-13.27-mRNA-1	Indica	Indica	Kinase-TM	Os07g0130200	OsR498G0713465300.01.T01	Putative receptor-type protein kinase Lrk1	
augustus-7-processed-gene-13.37-mRNA-1	Indica	Indica	Kinase-TM	Os07g0133100	OsR498G0713465800.01.T01	Non-specific serine/threonine protein kinase	
augustus-7-processed-gene-181.23-mRNA-1	Indica	NA	Kinase-TM	Os07g0493800	OsR498G0714347500.01.T01	Wall-associated protein kinase	
augustus-7-processed-gene-200.7-mRNA-1	Indica	NA	Kinase-TM			Receptor-like protein kinase	
augustus_masked-1-processed-gene-8.12-mRNA-1	Indica	NA	Kinase-TM	Os01g0113400	OsR498G0100045000.01.T04	Cysteine-rich receptor-like protein kinase 37	
augustus_masked-1-processed-gene-9.31-mRNA-1	Indica	Indica	Kinase-TM	Os01g0117400	OsR498G0100056600.01.T03	Receptor-like kinase	
augustus_masked-1-processed-gene-9.4-mRNA-1	Indica	NA	Kinase-TM	Os01g0115700	OsR498G0100051200.01.T01	Receptor-like kinase	
augustus_masked-10-processed-gene-148.16-mRNA-1	Indica	NA	Kinase-TM	Os04g0103500	OsR498G0407241200.01.T01	G-type lectin 5-receptor-like serine/threonine-protein kinase	
augustus_masked-10-processed-gene-5.20-mRNA-1	Indica	NA	Kinase-TM	Os05g0104800	OsR498G05101801400.01.T01	Proline-rich receptor-like protein kinase FERK4	
augustus_masked-4-processed-gene-154.33-mRNA-1	Indica	Japanica	Kinase-TM	Os04g0429000	OsR498G0408253300.01.T01	Non-specific serine/threonine protein kinase (Fragment)	
augustus_masked-4-processed-gene-22.27-mRNA-1	Indica	Indica	Kinase-TM	Os04g0202350	OsR498G0407718200.01.T01	Non-specific serine/threonine protein kinase	
augustus_masked-5-processed-gene-161.9-mRNA-1	Indica	NA	Kinase-TM	Os05g0332300	OsR498G0510529300.01.T01	Non-specific serine/threonine protein kinase	
augustus_masked-6-processed-gene-102.31-mRNA-1	Indica	NA	Kinase-TM	Os06g0288100	OsR498G0616127600.01.T01	Leucine-rich repeat receptor-like serine/threonine/tyrosine protein kinase SOBIR 1	
augustus_masked-6-processed-gene-295.37-mRNA-1	Indica	NA	Kinase-TM	Os06g0694000	OsR498G0613249300.01.T03	Mitogen-activated protein kinase	
augustus_masked-6-processed-gene-57.46-mRNA-1	Indica	Japanica	Kinase-TM	Os06g0210400	OsR498G1019094500.01.T01	Mitogen-activated protein kinase kinase	
augustus_masked-8-processed-gene-228.11-mRNA-1	Indica	Indica	Kinase-TM	Os08g0441100	OsR498G0816176500.01.T01	Non-specific serine/threonine protein kinase	
maker-1-augustus-gene-19.21-mRNA-1	Indica	NA	Kinase-TM	Os01g0136800	OsR498G0100126800.01.T01	WAK2-OsWAK receptor-like cytoplasmic kinase (OsWAK-RLCK)	
maker-1-augustus-gene-19.9-mRNA-1	Indica	NA	Kinase-TM			Putative serine/threonine-protein kinase	
maker-1-augustus-gene-20.0-mRNA-1	Indica	NA	Kinase-TM			Protein kinase domain-containing protein (Fragment)	
maker-1-augustus-gene-20.13-mRNA-1	Indica	NA	Kinase-TM			Putative receptor serine/threonine kinase PR5K	
maker-1-augustus-gene-20.13-mRNA-1	Indica	NA	Kinase-TM			Putative receptor serine/threonine kinase PR5K	
maker-1-augustus-gene-20.18-mRNA-1	Indica	NA	Kinase-TM			Protein kinase domain-containing protein (Fragment)	
maker-1-augustus-gene-20.9-mRNA-1	Indica	NA	Kinase-TM			Protein kinase domain-containing protein (Fragment)	
maker-1-augustus-gene-21.2-mRNA-1	Indica	NA	Kinase-TM	Os01g0138400	OsR498G0100134300.01.T01		

maker-1-augustus-gene-9.99-mRNA-1	Indica	Indica	Kinase-TM	Os01g0116000	OsR498G0100052000.01.T01	Serine/threonine protein kinase
maker-10-augustus-gene-127.46-mRNA-1	Indica	NA	Kinase-TM	Os04g0141400	OsR498G0407537100.01.T01	Putative receptor-type protein kinase LRK1
maker-10-augustus-gene-127.48-mRNA-1	Indica	NA	Kinase-TM	Os04g0141200	OsR498G0407534900.01.T01	Receptor-like serine/threonine protein kinase
maker-10-augustus-gene-131.28-mRNA-1	Indica	NA	Kinase-TM	Os04g0125700	OsR498G0407519500.01.T01	Lectin-domain containing receptor kinase A4.3
maker-10-augustus-gene-142.3-mRNA-1	Indica	NA	Kinase-TM	Os01g0136400	OsR498G0100125200.01.T04	Putative serine/threonine-protein kinase
maker-10-augustus-gene-145.10-mRNA-1	Indica	NA	Kinase-TM	Os04g0109100	OsR498G0407442600.01.T01	Non-specific serine/threonine protein kinase
maker-10-augustus-gene-35.0-mRNA-1	Indica	NA	Kinase-TM			Wall-associated receptor kinase 4
maker-10-augustus-gene-45.39-mRNA-1	Indica	Indica	Kinase-TM	Os10g0174800	OsR498G1018204400.01.T01	Wall-associated kinase
maker-11-augustus-gene-256.34-mRNA-1	Indica	NA	Kinase-TM	Os11g0495850	OsR498G1120743300.01.T02	Wall-associated receptor kinase
maker-11-augustus-gene-256.35-mRNA-1	Indica	NA	Kinase-TM			Putative inactive receptor kinase RLK902
maker-11-augustus-gene-74.11-mRNA-1	Indica	NA	Kinase-TM	OsR498G1119612600.01.T01	Protein kinase domain containing protein, expressed	
maker-12-augustus-gene-147.6-mRNA-1	Indica	NA	Kinase-TM	Os12g0433500	OsR498G1221451200.01.T03	serine/threonine-protein kinase TIO
maker-2-augustus-gene-126.0-mRNA-1	Indica	NA	Kinase-TM	Os02g0513000	OsR498G0203912300.01.T01	Serine/threonine-protein kinase PBS1
maker-2-augustus-gene-250.6-mRNA-1	Indica	Japonica	Kinase-TM	Os02g0632100	OsR498G050984800.01.T02	Wall-associated receptor kinase 3
maker-2-augustus-gene-262.30-mRNA-1	Indica	NA	Kinase-TM			Wall-associated receptor kinase 4
maker-2-augustus-gene-31.54-mRNA-1	Indica	NA	Kinase-TM			L-type lectin-domain containing receptor kinase IX.2
maker-2-augustus-gene-41.37-mRNA-1	Indica	NA	Kinase-TM	Os02g0174200	OsR498G0203068200.01.T01	serine/threonine-protein kinase STY13
maker-2-augustus-gene-46.50-mRNA-1	Indica	NA	Kinase-TM		OsR498G0203101600.01.T02	Phytosulfokine receptor
maker-4-augustus-gene-126.0-mRNA-1	Indica	NA	Kinase-TM			Protein kinase domain-containing protein (Fragment)
maker-4-augustus-gene-205.9-mRNA-1	Indica	NA	Kinase-TM	Os04g0517500	OsR498G0408901300.01.T01	Phosphoenolpyruvate carboxylase kinase
maker-4-augustus-gene-255.7-mRNA-1	Indica	NA	Kinase-TM	Os04g0608900	OsR498G0409252600.01.T01	serine/threonine-protein kinase STY13
maker-4-augustus-gene-26.27-mRNA-1	Indica	Indica	Kinase-TM	Os11g0692100	OsR498G0407758000.01.T01	Bacterial blight resistance protein XA26
maker-4-augustus-gene-268.3-mRNA-1	Indica	NA	Kinase-TM	Os04g0631800	OsR498G0409332600.01.T02	Serine/threonine-protein kinase
maker-4-augustus-gene-268.39-mRNA-1	Indica	Japonica	Kinase-TM	Os04g0634000	OsR498G0409338400.01.T01	G-type lectin 5-receptor-like serine/threonine protein kinase
maker-4-augustus-gene-268.7-mRNA-1	Indica	NA	Kinase-TM	Os04g0632100	OsR498G0409332800.01.T04	Non-specific serine/threonine protein kinase
maker-4-augustus-gene-31.39-mRNA-1	Indica	Indica	Kinase-TM	Os11g0492100	OsR498G0407758000.01.T01	Receptor kinase MRKs
maker-5-augustus-gene-188.44-mRNA-1	Indica	NA	Kinase-TM		OsR498G0510697600.01.T02	Receptor-like protein kinase ANKUR1
maker-5-augustus-gene-283.37-mRNA-1	Indica	NA	Kinase-TM	Os05g0549100	OsR498G0511289600.01.T01	Serine/threonine-protein kinase SNT7
maker-5-augustus-gene-284.29-mRNA-1	Indica	NA	Kinase-TM		OsR498G0511294500.01.T02	Wall-associated kinase
maker-5-augustus-gene-289.59-mRNA-1	Indica	NA	Kinase-TM	Os05g0560300	OsR498G0511334000.01.T02	Protein MALE DISCOVERER 1
maker-5-augustus-gene-298.40-mRNA-1	Indica	Indica	Kinase-TM	Os05g0571600	OsR498G0511392300.01.T01	Mitogen-activated protein kinase
maker-5-augustus-gene-298.59-mRNA-1	Indica	NA	Kinase-TM	Os05g0577700	OsR498G0511394600.01.T02	MAP kinase kinase Kinase5
maker-5-augustus-gene-46.51-mRNA-1	Indica	NA	Kinase-TM	Os05g0207500	OsR498G0509991200.01.T01	Non-specific serine/threonine protein kinase
maker-5-augustus-gene-66.56-mRNA-1	Indica	NA	Kinase-TM	Os05g0207700	OsR498G0509991800.01.T03	Serine/threonine-protein kinase CDL1
maker-5-augustus-gene-73.26-mRNA-1	Indica	Indica	Kinase-TM	Os05g0227200	OsR498G0510036200.01.T03	Receptor protein kinase PERK1
maker-6-augustus-gene-298.25-mRNA-1	Indica	NA	Kinase-TM	Os06g0703000	OsR498G0613265800.01.T01	Putative serine/threonine-protein kinase PBL17 isoform B
maker-7-augustus-gene-12.52-mRNA-1	Indica	Indica	Kinase-TM	Os07g0129800	OsR498G0714538800.01.T01	Putative receptor kinase Leck3
maker-7-augustus-gene-12.54-mRNA-1	Indica	NA	Kinase-TM	Os07g0131000		L-type lectin-domain containing receptor kinase IV.1
maker-7-augustus-gene-189.51-mRNA-1	Indica	NA	Kinase-TM	Os07g0507300	OsR498G0714392600.01.T04	germinal center kinase 1 isoform X3
maker-7-augustus-gene-205.14-mRNA-1	Indica	NA	Kinase-TM	Os07g0534700	OsR498G0714497100.01.T02	Cysteine-rich receptor-like protein kinase 25
maker-7-augustus-gene-205.9-mRNA-1	Indica	NA	Kinase-TM		OsR498G0714496300.01.T01	Receptor-like serine/threonine protein kinase
maker-7-augustus-gene-206.10-mRNA-1	Indica	Indica	Kinase-TM	Os07g0628700	OsR498G0714502100.01.T01	Cystine-rich receptor-like protein kinase 8
maker-7-augustus-gene-207.46-mRNA-1	Indica	NA	Kinase-TM		OsR498G0714502300.01.T01	Cystine-rich receptor-like protein kinase 8
maker-7-augustus-gene-207.58-mRNA-1	Indica	NA	Kinase-TM	Os07g0537900	OsR498G0714507500.01.T01	Cysteine-rich receptor-like protein kinase 8
maker-7-augustus-gene-207.71-mRNA-1	Indica	Indica	Kinase-TM	Os07g0537900	OsR498G0714504400.01.T04	Cysteine-rich receptor-like protein kinase 8
maker-7-augustus-gene-208.36-mRNA-1	Indica	NA	Kinase-TM	Os07g0541000	OsR498G0714516300.01.T01	Receptor-like serine-threonine protein kinase
maker-7-augustus-gene-209.0-mRNA-1	Indica	NA	Kinase-TM	Os07g0541400	OsR498G0714516900.01.T02	Cysteine-rich receptor kinase
maker-7-augustus-gene-209.11-mRNA-1	Indica	Indica	Kinase-TM	Os07g0548800	OsR498G0714515800.01.T01	Receptor-like serine/threonine protein kinase
maker-7-augustus-gene-209.12-mRNA-1	Indica	NA	Kinase-TM	Os07g0541000	OsR498G0714516800.01.T01	Cysteine-rich receptor-like protein kinase 10
maker-7-augustus-gene-209.21-mRNA-1	Indica	Indica	Kinase-TM	Os07g0541500	OsR498G0714517200.01.T02	Cysteine-rich receptor kinase
maker-7-augustus-gene-210.47-mRNA-1	Indica	NA	Kinase-TM	Os07g0542400	OsR498G0714519200.01.T05	Putative Zea mays retrotransposon Opie-2
maker-7-augustus-gene-28.45-mRNA-1	Indica	Indica	Kinase-TM	Os07g0159700	OsR498G0713558800.01.T01	Protein kinase domain-containing protein (Fragment)
maker-8-augustus-gene-190.0-mRNA-1	Indica	Indica	Kinase-TM	Os08g0374600	OsR498G0815946800.01.T03	Cytokinin-regulated kinase-like
maker-9-augustus-gene-115.2-mRNA-1	Indica	NA	Kinase-TM			Serine/threonine-specific receptor protein kinase-like
maker-9-augustus-gene-117.3-mRNA-1	Indica	Indica	Kinase-TM	Os09g0356800	OsR498G0917240400.01.T05	Protein kinase domain-containing protein
maker-9-augustus-gene-145.39-mRNA-1	Indica	NA	Kinase-TM	Os09g0408800	OsR498G0917427900.01.T01	Cysteine-rich receptor-like protein kinase 10
augustus-1-processed-gene-162.25-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0384300	OsR498G0101005100.01.T01	LRR receptor-like serine/threonine-protein kinase RKF3
augustus-1-processed-gene-296.25-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0699400	OsR498G0101831600.01.T01	Mitogen-activated protein kinase kinase A
augustus-1-processed-gene-331.52-mRNA-1	Japonica	NA	Kinase-TM	Os01g0769700	OsR498G0102465800.01.T04	Receptor-like protein kinase FERONIA
augustus-1-processed-gene-337.1-mRNA-1	Japonica	NA	Kinase-TM	Os01g0779300	OsR498G0102097100.01.T01	Non-specific serine/threonine protein kinase
augustus-1-processed-gene-339.2-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0784200	OsR498G0102109300.01.T01	Receptor-like serine/threonine-protein kinase
augustus-1-processed-gene-339.4-mRNA-1	Japonica	NA	Kinase-TM	Os01g0784200		Non-specific serine/threonine protein kinase
augustus-1-processed-gene-484.34-mRNA-1	Japonica	NA	Kinase-TM	Os01g0927500	OsR498G0102625300.01.T03	Inactive leucine-rich repeat receptor-like protein kinase CORYNE
augustus-1-processed-gene-68.14-mRNA-1	Japonica	NA	Kinase-TM	Os01g0223900	OsR498G0100448100.01.T01	Non-specific serine/threonine protein kinase (Fragment)
augustus-10-processed-gene-111.2-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0442000	OsR498G0101878100.01.T01	Putative receptor-type protein kinase LRK1
augustus-10-processed-gene-35.7-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0511100	OsR498G0101583200.01.T01	Wall-associated kinase
augustus-11-processed-gene-119.2-mRNA-1	Japonica	NA	Kinase-TM	Os01g0441900	OsR498G1120029400.01.T01	G-type lectin 5-receptor-like serine/threonine-protein kinase
augustus-11-processed-gene-121.11-mRNA-1	Japonica	NA	Kinase-TM	Os01g0445300	OsR498G1120050700.01.T01	Brassinosteroid insensitive 1-associated receptor kinase 1
augustus-11-processed-gene-182.37-mRNA-1	Japonica	NA	Kinase-TM	Os01g0517500	OsR498G1120348700.01.T01	Proline-rich receptor-like protein kinase PERK14
augustus-11-processed-gene-206.17-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0661500	OsR498G1120470500.01.T01	Putative serine/threonine-specific protein kinase
augustus-11-processed-gene-8.16-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0130300	OsR498G1119321900.01.T01	Receptor-like serine/threonine-protein kinase
augustus-12-processed-gene-167.8-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0548800	OsR498G1221536100.01.T01	Histidine kinase2
augustus-12-processed-gene-260.18-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0608500	OsR498G1222080600.01.T01	Lectin protein kinase, putative, expressed
augustus-12-processed-gene-264.32-mRNA-1	Japonica	NA	Kinase-TM	Os01g0614600	OsR498G1222101900.01.T01	Protein kinase PINOID
augustus-12-processed-gene-264.34-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0615300	OsR498G1222102900.01.T01	Wall-associated receptor kinase 5
augustus-12-processed-gene-264.46-mRNA-1	Japonica	NA	Kinase-TM	Os01g0615300	OsR498G1222104500.01.T04	Wall-associated receptor kinase 5
augustus-12-processed-gene-41.13-mRNA-1	Japonica	NA	Kinase-TM		OsR498G1220411100.01.T01	Non-specific serine/threonine protein kinase
augustus-2-processed-gene-114.14-mRNA-1	Japonica	Indica	Kinase-TM	Os02g0298200	OsR498G0203485500.01.T01	Putative receptor-type protein kinase LRK1
augustus-2-processed-gene-115.18-mRNA-1	Japonica	Indica	Kinase-TM	Os02g0298200	OsR498G0203485500.01.T01	Putative receptor-type protein kinase LRK1
augustus-2-processed-gene-156.10-mRNA-1	Japonica	NA	Kinase-TM	Os02g0459600	OsR498G0203737300.01.T03	Non-specific serine/threonine protein kinase
augustus-2-processed-gene-218.61-mRNA-1	Japonica	NA	Kinase-TM	Os02g0565500	OsR498G0204133200.01.T01	Tyrosine protein kinase
augustus-2-processed-gene-238.26-mRNA-1	Japonica	NA	Kinase-TM	Os02g0603000	OsR498G0204253800.01.T01	Serine/threonine-protein kinase ONK1
augustus-2-processed-gene-265.58-mRNA-1	Japonica	NA	Kinase-TM	Os02g0640500	OsR498G0204399600.01.T01	L-type lectin-domain containing receptor kinase IV.2
augustus-2-processed-gene-359.68-mRNA-1	Japonica	NA	Kinase-TM	Os02g0767400	OsR498G0204832400.01.T01	Non-specific serine/threonine protein kinase
augustus-2-processed-gene-52.12-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0203139900.01.T01	Proline-rich receptor-like protein kinase PERK9 (Fragment)
augustus-3-processed-gene-491.56-mRNA-1	Japonica	NA	Kinase-TM			probable receptor-like serine/threonine-protein kinase
augustus-4-processed-gene-268.79-mRNA-1	Japonica	Japonica	Kinase-TM	Os04g0633800	OsR498G0409334600.01.T02	Non-specific serine/threonine protein kinase
augustus-4-processed-gene-278.43-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0635000	OsR498G0409498100.01.T01	Serine/threonine-protein kinase
augustus-4-processed-gene-295.1-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0684200	OsR498G0409514300.01.T06	CASP-like protein 1
augustus-4-processed-gene-82.4-mRNA-1	Japonica	Japonica	Kinase-TM	Os04g0307900	OsR498G0408016900.01.T01	Wall-associated receptor kinase 5
augustus-4-processed-gene-82.5-mRNA-1	Japonica	NA	Kinase-TM			Wall-associated receptor kinase 3
augustus-5-processed-gene-152.17-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0510479400.01.T04	Receptor-like protein kinase FERONIA
augustus-5-processed-gene-152.19-mRNA-1	Japonica	Japonica	Kinase-TM	Os05g0318700	OsR498G0510486400.01.T01	Receptor-like protein kinase FERONIA
augustus-6-processed-gene-291.18-mRNA-1	Japonica	NA	Kinase-TM	Os06g0493200	OsR498G0613227500.01.T01	probable receptor-like serine/threonine-protein kinase At5g57670
augustus-7-processed-gene-104.13-mRNA-1	Japonica	NA	Kinase-TM	Os07g0283050	OsR498G0713999000.01.T01	Putative receptor-type protein kinase LRK1
augustus-7-processed-gene-216.6-mRNA-1	Japonica	NA	Kinase-TM	Os07g0147600	OsR498G0713511000.01.T02	Mitogen-activated protein kinase kinase
augustus-7-processed-gene-216.33-mRNA-1	Japonica	Japonica	Kinase-TM	Os07g0553633	OsR498G0714550000.01.T01	Non-specific serine/threonine protein kinase (Fragment)
augustus-7-processed-gene-226.3-mRNA-1	Japonica	Japonica	Kinase-TM	Os07g0698800	OsR498G0714602900.01.T01	L-type lectin-domain containing receptor kinase IX.1
augustus-7-processed-gene-230.27-mRNA-1	Japonica	NA	Kinase-TM	Os07g0756000	OsR498G0714629400.01.T01	Putative receptor-type protein kinase LRK1
augustus-7-processed-gene-230.47-mRNA-1	Japonica	NA	Kinase-TM	Os07g0575700	OsR498G0714621000.01.T01	Lectin receptor-type kinase
augustus-7-processed-gene-230.48-mRNA-1	Japonica	Indica	Kinase-TM	Os07g0575700	OsR498G0714621200.01.T01	Lectin receptor-type kinase
augustus-7-processed-gene-41.40-mRNA-1	Japonica	Japonica	Kinase-TM	Os07g0186200	OsR498G0713651200.01.T01	Non-specific serine/threonine protein kinase (Fragment)
augustus-8-processed-gene-14.24-mRNA-1	Japonica	Japonica	Kinase-TM	Os08g0124100	OsR498G0815098200.01.T02	Putative receptor-type protein kinase LRK1
augustus-8-processed-gene-153.14-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0815308800.01.T01	Putative glycerophosphodiester phosphodiesterase, protein kinase RLK-Pelle-LRK10L-2 family
augustus-9-processed-gene-230.3-mRNA-1	Japonica	NA	Kinase-TM	Os09g0571200	OsR498G091537900.01.T01	Receptor-like receptor-like kinase 3
augustus-9-processed-gene-44.19-mRNA-1	Japonica	Japonica	Kinase-TM	Os09g0251250	OsR498G0916836300.01.T01	Serine/threonine-protein kinase
augustus_masked-1-processed-gene-280.18-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0668600	OsR498G0101726500.01.T01	Serine/threonine-protein kinase
augustus_masked-1-processed-gene-280.20-mRNA-1	Japonica	NA	Kinase-TM	Os01g0669100	OsR498G0101727800.01.T01	Non-specific serine/threonine protein kinase
augustus_masked-1-processed-gene-281.23-mRNA-1	Japonica	NA	Kinase-TM	Os01g0670100	OsR498G0101730000.01.T01	Non-specific serine/threonine protein kinase
augustus_masked-1-processed-gene-326.20-mRNA-1	Japonica	NA	Kinase-TM	Os01g0759200	OsR498G0102036200.01.T01	Non-specific serine/threonine protein kinase
augustus_masked-1-processed-gene-326.21-mRNA-1	Japonica	NA	Kinase-TM	Os01g0759400	OsR498G0102036400.01.T01	Non-specific serine/threonine protein kinase
augustus_masked-1-processed-gene-68.24-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0223700	OsR498G0100448000.01.T02	Non-specific serine/threonine protein kinase (Fragment)
augustus_masked-1-processed-gene-68.25-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0224000	OsR498G0100448100.01.T01	Non-specific serine/threonine protein kinase (Fragment)
augustus_masked-11-processed-gene-181.7-mRNA-1	Japonica	NA	Kinase-TM	Os10g0152000	OsR498G1018157400.01.T01	Wall-associated receptor kinase 2
augustus_masked-11-processed-gene-182.79-mRNA-1	Japonica	NA	Kinase-TM	Os11g0553500	OsR498G1120341600.01.T01	Wall-associated receptor kinase 3
augustus_masked-11-processed-gene-71.36-mRNA-1	Japonica	Indica	Kinase-TM	Os11g0554800		Wall-associated receptor kinase 1
augustus_masked-11-processed-gene-8.106-mRNA-1	Japonica	NA	Kinase-TM	Os04g0103700	OsR498G111958200.01.T01	Non-specific serine/threonine protein kinase (Fragment)
augustus_masked-11-processed-gene-8.108-mRNA-1	Japonica	NA	Kinase-TM	Os11g0133100	OsR498G1119372000.01.T01	Receptor-like serine/threonine-protein kinase
augustus_masked-11-processed-gene-8.108-mRNA-1	Japonica	NA				



augustus_masked-4-processed-gene-78.23-mRNA-1	Japonica	Japonica	Kinase-TM	Os04g0303300	OsR498G0407999200.01.T01	Receptor-like serine/threonine-protein kinase
augustus_masked-4-processed-gene-81.46-mRNA-1	Japonica	NA	Kinase-TM	Os04g0307500	OsR498G0408014500.01.T02	Wall-associated receptor kinase 1
augustus_masked-5-processed-gene-14.15-mRNA-1	Japonica	NA	Kinase-TM	Os05g0125200	OsR498G0509464500.01.T01	Receptor-like kinase LIP2
augustus_masked-5-processed-gene-15.21-mRNA-1	Japonica	NA	Kinase-TM	OsR498G0509654700.01.T01	OsR498G0509654700.01.T01	Serine/threonine-protein kinase-like protein CCR3
augustus_masked-5-processed-gene-266.19-mRNA-1	Japonica	NA	Kinase-TM	Os05g0514200	OsR498G0511175300.01.T02	Non-specific serine/threonine protein kinase
augustus_masked-5-processed-gene-269.37-mRNA-1	Japonica	NA	Kinase-TM	Os05g0519200	OsR498G0511194100.01.T05	Serine/threonine protein kinase
augustus_masked-5-processed-gene-302.32-mRNA-1	Japonica	Japonica	Kinase-TM	Os05g0585800	OsR498G0511562800.01.T03	Mitogen-activated protein kinase kinase kinase 7
augustus_masked-5-processed-gene-36.15-mRNA-1	Japonica	NA	Kinase-TM	OsR498G0509796100.01.T01	OsR498G0509796100.01.T01	Receptor-like protein kinase HERK 1
augustus_masked-6-processed-gene-238.19-mRNA-1	Japonica	NA	Kinase-TM	Os04g0602500	OsR498G041189400.01.T01	Non-specific serine/threonine protein kinase
augustus_masked-6-processed-gene-261.17-mRNA-1	Japonica	NA	Kinase-TM	Os04g0639500	OsR498G0613036700.01.T01	E3 ubiquitin-protein ligase KEG
augustus_masked-6-processed-gene-4.4-mRNA-1	Japonica	NA	Kinase-TM	OsR498G0611477400.01.T01	OsR498G0611477400.01.T01	Receptor-like serine/threonine-protein kinase
augustus_masked-6-processed-gene-47.12-mRNA-1	Japonica	Japonica	Kinase-TM	Os06g0191300	OsR498G0204966600.01.T01	MAP kinase kinase
augustus_masked-6-processed-gene-262.27-mRNA-1	Japonica	Japonica	Kinase-TM	Os06g0504800	OsR498G0917178500.01.T01	Serine/threonine-protein kinase UCNL
augustus_masked-6-processed-gene-5.49-mRNA-1	Japonica	NA	Kinase-TM	Os06g098800	OsR498G0150515500.01.T01	Serine/threonine-protein kinase-like protein CCR4
augustus_masked-9-processed-gene-188.10-mRNA-1	Japonica	NA	Kinase-TM	Os07g0486700	OsR498G0917178500.01.T01	Serine/threonine-protein kinase UCNL
augustus_masked-9-processed-gene-55.25-mRNA-1	Japonica	Indica	Kinase-TM	Os07g0283125	OsR498G0916878900.01.T01	Lectin-domain containing receptor kinase A4.2
maker-1-augustus-gene-107.29-mRNA-1	Japonica	NA	Kinase-TM	Os01g0292200	OsR498G0100720500.01.T01	Non-specific serine/threonine protein kinase
maker-1-augustus-gene-109.26-mRNA-1	Japonica	NA	Kinase-TM	Os01g0296000	OsR498G0100728600.01.T01	Putative LRR receptor-like serine/threonine-protein kinase
maker-1-augustus-gene-109.5-mRNA-1	Japonica	NA	Kinase-TM	Os01g0296100	OsR498G0100728700.01.T04	Non-specific serine/threonine protein kinase
maker-1-augustus-gene-118.0-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0310400	OsR498G0100776900.01.T03	Wall-associated receptor kinase 5
maker-1-augustus-gene-118.6-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0310400	OsR498G0100778100.01.T02	PT11-like tyrosine-protein kinase 3
maker-1-augustus-gene-124.2-mRNA-1	Japonica	NA	Kinase-TM	Os01g0323000	OsR498G0100818500.01.T02	Serine/threonine protein kinase
maker-1-augustus-gene-125.7-mRNA-1	Japonica	NA	Kinase-TM	Os01g0323100	OsR498G0100818800.01.T01	Pto-interacting protein 1
maker-1-augustus-gene-150.40-mRNA-1	Japonica	NA	Kinase-TM	Os01g0364800	OsR498G0100956900.01.T01	Wall-associated receptor kinase
maker-1-augustus-gene-225.4-mRNA-1	Japonica	NA	Kinase-TM	Os01g058400	OsR498G0101248800.01.T01	Receptor-like kinase TMK3
maker-1-augustus-gene-236.9-mRNA-1	Japonica	NA	Kinase-TM	Os01g0587400	OsR498G0101248800.01.T01	Receptor-like serine/threonine-protein kinase
maker-1-augustus-gene-258.10-mRNA-1	Japonica	NA	Kinase-TM	Os01g0629900	OsR498G0101587800.01.T02	Mitogen-activated protein kinase
maker-1-augustus-gene-259.33-mRNA-1	Japonica	NA	Kinase-TM	Os01g0631700	OsR498G0101594500.01.T03	Receptor-like protein kinase
maker-1-augustus-gene-264.49-mRNA-1	Japonica	NA	Kinase-TM	Os01g0641000	OsR498G0101624900.01.T01	Serine/threonine-protein kinase STY8
maker-1-augustus-gene-277.80-mRNA-1	Japonica	NA	Kinase-TM	Os01g0664200	OsR498G0101706400.01.T01	Putative serine/threonine-protein kinase
maker-1-augustus-gene-278.40-mRNA-1	Japonica	NA	Kinase-TM	Os01g0665200	OsR498G0101709700.01.T01	Mitogen-activated protein kinase
maker-1-augustus-gene-291.26-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0689900	OsR498G0101799400.01.T01	Wall-associated receptor-like kinase 2
maker-1-augustus-gene-292.1-mRNA-1	Japonica	NA	Kinase-TM	Os01g0690800	OsR498G0101800500.01.T01	Protein kinase domain-containing protein (Fragment)
maker-1-augustus-gene-292.4-mRNA-1	Japonica	NA	Kinase-TM	Os01g0690800	OsR498G0101800900.01.T01	Acidic endochitinase
maker-1-augustus-gene-3.26-mRNA-1	Japonica	NA	Kinase-TM	Os01g0104000	OsR498G0100015400.01.T01	C-type lectin receptor-like tyrosine-protein kinase
maker-1-augustus-gene-301.40-mRNA-1	Japonica	NA	Kinase-TM	Os01g0709500	OsR498G0101865600.01.T04	Receptor-like serine/threonine protein kinase ALE2
maker-1-augustus-gene-315.36-mRNA-1	Japonica	NA	Kinase-TM	Os01g0738300	OsR498G0101860100.01.T01	Proline-rich receptor-like protein kinase PERK10 isoform A
maker-1-augustus-gene-316.24-mRNA-1	Japonica	NA	Kinase-TM	Os01g0741200	OsR498G0101596900.01.T01	Putative serine/threonine-protein kinase RLCKVII
maker-1-augustus-gene-319.46-mRNA-1	Japonica	NA	Kinase-TM	Os01g0747400	OsR498G0101987200.01.T01	Serine/threonine-protein kinase HT1
maker-1-augustus-gene-321.19-mRNA-1	Japonica	NA	Kinase-TM	Os01g0750600	OsR498G0102002200.01.T01	proline-rich receptor-like protein kinase PERK5
maker-1-augustus-gene-339.39-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0783800	OsR498G0102108700.01.T06	G-type lectin 5-receptor-like serine/threonine-protein kinase
maker-1-augustus-gene-339.42-mRNA-1	Japonica	NA	Kinase-TM	Os01g0783800	OsR498G0102108700.01.T06	Serine/threonine-protein kinase
maker-1-augustus-gene-339.61-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0784700	OsR498G0102110200.01.T01	Serine/threonine-protein kinase
maker-1-augustus-gene-483.51-mRNA-1	Japonica	Indica	Kinase-TM	Os03g0349200	OsR498G0102619200.01.T01	probable serine/threonine-protein kinase AT1g54610
maker-1-augustus-gene-485.26-mRNA-1	Japonica	NA	Kinase-TM	OsR498G0102632300.01.T02	OsR498G0102632300.01.T02	proline-rich receptor-like protein kinase PERK3 isoform X2
maker-1-augustus-gene-488.53-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0935800	OsR498G0102655400.01.T01	Receptor-like protein kinase ANXUR1
maker-1-augustus-gene-5.48-mRNA-1	Japonica	NA	Kinase-TM	Os01g0935800	OsR498G0102655400.01.T01	Serine/threonine protein kinase
maker-1-augustus-gene-503.3-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0973500	OsR498G0102780200.01.T01	Receptor-like serine/threonine-protein kinase catalytic domain-containing protein
maker-1-augustus-gene-507.39-mRNA-1	Japonica	NA	Kinase-TM	Os01g0973500	OsR498G0102780200.01.T01	Receptor-like cytoplasmic kinase L76
maker-1-augustus-gene-55.18-mRNA-1	Japonica	NA	Kinase-TM	Os01g0201200	OsR498G0100357200.01.T04	Serine/threonine-protein kinase
maker-1-augustus-gene-6.31-mRNA-1	Japonica	NA	Kinase-TM	Os01g0110500	OsR498G0100034200.01.T01	Proline-rich receptor-like protein kinase PERK8
maker-1-augustus-gene-71.33-mRNA-1	Japonica	NA	Kinase-TM	Os01g0227200	OsR498G0100467900.01.T01	Receptor protein kinase PERK1
maker-1-augustus-gene-74.47-mRNA-1	Japonica	NA	Kinase-TM	Os01g0233800	OsR498G0100489900.01.T01	Serine/threonine-protein kinase
maker-10-augustus-gene-205.30-mRNA-1	Japonica	NA	Kinase-TM	Os04g0429000	OsR498G0101844400.01.T03	Serine/threonine protein kinase
maker-10-augustus-gene-127.41-mRNA-1	Japonica	NA	Kinase-TM	Os04g0125700	OsR498G0007534800.01.T01	Non-specific serine/threonine protein kinase
maker-10-augustus-gene-142.3-mRNA-1	Japonica	NA	Kinase-TM	Os01g0136400	OsR498G0100125200.01.T04	Putative serine/threonine-protein kinase
maker-10-augustus-gene-168.44-mRNA-1	Japonica	NA	Kinase-TM	Os01g0476100	OsR498G0101889700.01.T01	serine/threonine-protein kinase trimeric isoform X1
maker-10-augustus-gene-174.0-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0483400	OsR498G01120115000.01.T01	Protein kinase domain containing protein, expressed
maker-10-augustus-gene-181.34-mRNA-1	Japonica	NA	Kinase-TM	Os01g0497600	OsR498G0102049300.01.T01	Putative serine/threonine-protein kinase
maker-10-augustus-gene-192.47-mRNA-1	Japonica	NA	Kinase-TM	Os01g0518800	OsR498G01019051100.01.T01	Protein kinase domain containing protein, expressed
maker-10-augustus-gene-193.26-mRNA-1	Japonica	NA	Kinase-TM	Os01g0521700	OsR498G0101906000.01.T01	Non-specific serine/threonine protein kinase
maker-10-augustus-gene-25.33-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0136500	OsR498G01018109100.01.T04	Protein kinase domain containing protein, expressed
maker-10-augustus-gene-34.11-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0151100	OsR498G01018157400.01.T01	Wall-associated receptor kinase 2
maker-10-augustus-gene-35.0-mRNA-1	Japonica	NA	Kinase-TM	Os01g0174800	OsR498G0101820400.01.T01	Wall-associated receptor kinase 4
maker-10-augustus-gene-43.39-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0174800	OsR498G0101820400.01.T01	Wall associated kinase
maker-10-augustus-gene-43.42-mRNA-1	Japonica	NA	Kinase-TM	Os01g0136600	OsR498G0101982300.01.T01	Wall associated kinase
maker-11-augustus-gene-10.6-mRNA-1	Japonica	NA	Kinase-TM	Os01g0136600	OsR498G0101982300.01.T01	Calcium-dependent protein kinase
maker-11-augustus-gene-123.43-mRNA-1	Japonica	NA	Kinase-TM	Os01g0136600	OsR498G01120059900.01.T01	probable serine/threonine-protein kinase PBL28
maker-11-augustus-gene-123.48-mRNA-1	Japonica	NA	Kinase-TM	Os01g0136600	OsR498G01120059900.01.T01	Putative serine/threonine-protein kinase WNK9 (Fragment)
maker-11-augustus-gene-125.35-mRNA-1	Japonica	Indica	Kinase-TM	Os01g070200	OsR498G01120115000.01.T01	Protein kinase domain containing protein, expressed
maker-11-augustus-gene-16.16-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g050700	OsR498G01119421300.01.T01	Serine/threonine-protein kinase D6PKL2
maker-11-augustus-gene-185.0-mRNA-1	Japonica	NA	Kinase-TM	Os01g0553300	OsR498G01120370600.01.T01	Wall-associated receptor kinase 2
maker-11-augustus-gene-215.0-mRNA-1	Japonica	NA	Kinase-TM	Os01g0616100	OsR498G01120510900.01.T01	Leucine-rich repeat receptor protein kinase EX5
maker-11-augustus-gene-216.34-mRNA-1	Japonica	NA	Kinase-TM	Os01g0616100	OsR498G01120517600.01.T01	Protein kinase domain-containing protein
maker-11-augustus-gene-216.36-mRNA-1	Japonica	NA	Kinase-TM	Os01g0616100	OsR498G01120517800.01.T01	Protein kinase domain containing protein, expressed
maker-11-augustus-gene-244.49-mRNA-1	Japonica	NA	Kinase-TM	Os01g0616100	OsR498G01120517800.01.T01	Cytokinin-regulated kinase-like
maker-11-augustus-gene-245.48-mRNA-1	Japonica	NA	Kinase-TM	Os01g0616100	OsR498G01120517800.01.T01	Protein kinase domain containing protein, expressed
maker-11-augustus-gene-245.56-mRNA-1	Japonica	NA	Kinase-TM	Os01g0616100	OsR498G01120517800.01.T01	G-type lectin 5-receptor-like serine/threonine-protein kinase
maker-11-augustus-gene-251.40-mRNA-1	Japonica	NA	Kinase-TM	OsR498G01120726800.01.T02	OsR498G01120726800.01.T02	Receptor protein kinase-like
maker-11-augustus-gene-256.34-mRNA-1	Japonica	NA	Kinase-TM	Os01g0695850	OsR498G01120743300.01.T02	Wall-associated receptor kinase
maker-11-augustus-gene-256.35-mRNA-1	Japonica	NA	Kinase-TM	Os01g0695850	OsR498G01120743300.01.T02	Putative inactive receptor kinase RLK902
maker-11-augustus-gene-28.42-mRNA-1	Japonica	Japonica	Kinase-TM	Os02g0194400	OsR498G01119480300.01.T01	Leucine-rich repeat receptor protein kinase MSL1
maker-11-augustus-gene-49.33-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0271100	OsR498G0111979200.01.T06	Mitogen-activated protein kinase
maker-11-augustus-gene-62.7-mRNA-1	Japonica	NA	Kinase-TM	Os01g0194900	OsR498G01119551000.01.T02	Protein kinase domain-containing protein
maker-11-augustus-gene-70.39-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0207200	OsR498G01119591700.01.T01	Mitogen-activated protein kinase kinase kinase 3
maker-11-augustus-gene-71.9-mRNA-1	Japonica	Indica	Kinase-TM	Os07g0186200	OsR498G01119598200.01.T01	Serine/threonine-protein kinase
maker-11-augustus-gene-75.2-mRNA-1	Japonica	NA	Kinase-TM	OsR498G01119613600.01.T01	OsR498G01119613600.01.T01	Customer beta subunit, putative
maker-11-augustus-gene-75.8-mRNA-1	Japonica	Japonica	Kinase-TM	OsR498G01119614000.01.T02	OsR498G01119614000.01.T02	Putative mitogen-activated protein (MAP) kinase kinase kinase Ste11, Cryptococcus
maker-11-augustus-gene-9.0-mRNA-1	Japonica	NA	Kinase-TM	Os01g0312200	OsR498G01119377100.01.T07	Non-specific serine/threonine protein kinase
maker-11-augustus-gene-90.9-mRNA-1	Japonica	NA	Kinase-TM	Os01g0242500	OsR498G01119688900.01.T03	Cyclin-dependent kinase C
maker-12-augustus-gene-1.5-mRNA-1	Japonica	NA	Kinase-TM	Os01g0312200	OsR498G01119377100.01.T07	Nonphototropic hypocotyl C1
maker-12-augustus-gene-15.46-mRNA-1	Japonica	NA	Kinase-TM	Os01g0312200	OsR498G01119377100.01.T07	Receptor-like serine/threonine-protein kinase
maker-12-augustus-gene-16.0-mRNA-1	Japonica	NA	Kinase-TM	Os01g0312200	OsR498G01119377100.01.T07	Non-specific serine/threonine-protein kinase
maker-12-augustus-gene-17.34-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0312200	OsR498G01119377100.01.T07	Calcium-dependent protein kinase
maker-12-augustus-gene-190.35-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0486900	OsR498G01121633900.01.T01	Receptor-like serine/threonine-protein kinase ALE2 isoform X2
maker-12-augustus-gene-252.9-mRNA-1	Japonica	NA	Kinase-TM	Os01g0594300	OsR498G01122027100.01.T01	Serine/threonine-protein kinase CTR1
maker-12-augustus-gene-253.0-mRNA-1	Japonica	NA	Kinase-TM	Os01g0595800	OsR498G01122032500.01.T02	Wall-associated receptor kinase-like 14
maker-12-augustus-gene-26.35-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0497000	OsR498G01119421300.01.T01	Serine/threonine-protein kinase D6PKL2
maker-12-augustus-gene-249.61-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0497000	OsR498G01119421300.01.T01	C-type lectin domain containing receptor kinase IX.1
maker-12-augustus-gene-260.63-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0497000	OsR498G01122081400.01.T02	Wall-associated receptor kinase-like 21
maker-12-augustus-gene-261.18-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0611100	OsR498G011220806800.01.T03	Serine/threonine-protein kinase receptor
maker-12-augustus-gene-264.0-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0615000	OsR498G011222103900.01.T01	Wall-associated receptor kinase 3
maker-12-augustus-gene-264.3-mRNA-1	Japonica	NA	Kinase-TM	Os01g0615000	OsR498G011222103900.01.T01	Wall-associated receptor kinase 5
maker-12-augustus-gene-268.14-mRNA-1	Japonica	NA	Kinase-TM	Os01g0621500	OsR498G011222131900.01.T03	Probable serine/threonine-protein kinase IREH1 isoform X1
maker-12-augustus-gene-3.77-mRNA-1	Japonica	NA	Kinase-TM	Os01g0621500	OsR498G011222131900.01.T03	Putative LRR receptor-like serine/threonine-protein kinase MRH1-like
maker-12-augustus-gene-34.19-mRNA-1	Japonica	NA	Kinase-TM	OsR498G011221004600.01.T02	OsR498G011221004600.01.T02	Serine/threonine-protein kinase STY46
maker-12-augustus-gene-42.18-mRNA-1	Japonica	NA	Kinase-TM	OsR498G011221046200.01.T01	OsR498G011221046200.01.T01	Protein kinase protein with adenine nucleotide alpha hydrolase-like domain
maker-12-augustus-gene-43.8-mRNA-1	Japonica	NA	Kinase-TM	OsR498G011221046200.01.T01	OsR498G011221046200.01.T01	Protein kinase protein with adenine nucleotide alpha hydrolase-like domain
maker-12-augustus-gene-5.18-mRNA-1	Japonica	NA	Kinase-TM	Os01g0108100	OsR498G011220806200.01.T01	Putative serine/threonine-protein kinase
maker-12-augustus-gene-56.4-mRNA-1	Japonica	NA	Kinase-TM	Os01g0124500	OsR498G01119688900.01.T03	Serine/threonine-protein kinase
maker-12-augustus-gene-85.4-mRNA-1	Japonica	Japonica	Kinase-TM	Os01g0248000	OsR498G011221217600.01.T01	Interleukin 1 receptor-associated kinase 4
maker-12-augustus-gene-86.0-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0249900	OsR498G011221164600.01.T01	Protein kinase domain-containing protein

maker-2-agustus-gene-385.47-mRNA-1	Japonica	NA	Kinase-TM		OsR498G020506800.01.T01	Aarf domain-containing kinase
maker-2-agustus-gene-43.67-mRNA-1	Japonica	NA	Kinase-TM	Os02g0178000	OsR498G0203083200.01.T03	Non-specific serine/threonine protein kinase
maker-2-agustus-gene-52.43-mRNA-1	Japonica	NA	Kinase-TM	Os02g0194600	OsR498G0203145700.01.T02	Putative STRUBELLIG family receptor protein kinase
maker-2-agustus-gene-6.44-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0202833400.01.T05	Receptor-like serine/threonine protein kinase NCRK
maker-2-agustus-gene-6.52-mRNA-1	Japonica	Japonica	Kinase-TM	Os02g0111600	OsR498G0202835200.01.T02	Wall-associated receptor kinase 5
maker-2-agustus-gene-68.16-mRNA-1	Japonica	NA	Kinase-TM		OsR498G020233800.01.T02	(Rice Genome Annotation Project) MAP3K delta-1 protein kinase
maker-2-agustus-gene-79.10-mRNA-1	Japonica	NA	Kinase-TM	Os02g0232600	OsR498G0203300400.01.T01	Non-specific serine/threonine protein kinase
maker-2-agustus-gene-81.8-mRNA-1	Japonica	NA	Kinase-TM	Os02g0241600	OsR498G0203312300.01.T01	Serine/threonine protein kinase EDR1
maker-2-agustus-gene-91.25-mRNA-1	Japonica	NA	Kinase-TM	Os01g0711200	OsR498G0101783000.01.T01	Putative leucine-rich repeat receptor-like protein kinase
maker-3-agustus-gene-10.20-mRNA-1	Japonica	NA	Kinase-TM	Os03g0122000	OsR498G0305141900.01.T02	Serine/threonine-protein kinase ATG1a
maker-3-agustus-gene-100.19-mRNA-1	Japonica	NA	Kinase-TM	Os03g0242800	OsR498G0305747600.01.T01	Putative LRR receptor-like serine/threonine-protein kinase MRH1
maker-3-agustus-gene-101.30-mRNA-1	Japonica	NA	Kinase-TM	Os03g0295600	OsR498G0305749600.01.T01	Serine/threonine-protein kinase STY46
maker-3-agustus-gene-113.44-mRNA-1	Japonica	NA	Kinase-TM	Os03g0319400	OsR498G0305833000.01.T03	CB1-interacting protein kinase
maker-3-agustus-gene-12.18-mRNA-1	Japonica	Indica	Kinase-TM	Os03g0331500	OsR498G0305155100.01.T01	probable serine/threonine protein kinase At1g01540
maker-3-agustus-gene-126.57-mRNA-1	Japonica	NA	Kinase-TM	Os10g0571300	OsR498G1019232500.01.T01	probable serine/threonine-protein kinase At4g35230
maker-3-agustus-gene-13.17-mRNA-1	Japonica	Indica	Kinase-TM	Os11g0134300	OsR498G0305158600.01.T04	Non-specific serine/threonine protein kinase
maker-3-agustus-gene-131.90-mRNA-1	Japonica	NA	Kinase-TM			Cyclin-dependent kinase E
maker-3-agustus-gene-135.46-mRNA-1	Japonica	Japonica	Kinase-TM	Os10g0533150	OsR498G0305155100.01.T01	Protein kinase domain containing protein, expressed
maker-3-agustus-gene-138.0-mRNA-1	Japonica	NA	Kinase-TM	Os10g0539600	OsR498G1019112100.01.T04	Calcium-dependent protein kinase isoform 1
maker-3-agustus-gene-14.0-mRNA-1	Japonica	NA	Kinase-TM	Os03g0128700	OsR498G0305164700.01.T02	Calcium-dependent protein kinase
maker-3-agustus-gene-140.5-mRNA-1	Japonica	Indica	Kinase-TM	Os03g0132800	OsR498G10191215100.01.T01	Serine/threonine-protein kinase BSK1-2
maker-3-agustus-gene-15.13-mRNA-1	Japonica	NA	Kinase-TM	Os03g0130900	OsR498G0305172900.01.T01	Putative serine/threonine-protein kinase PBL21
maker-3-agustus-gene-177.10-mRNA-1	Japonica	NA	Kinase-TM	Os03g0364400	OsR498G0306001300.01.T01	probable serine/threonine-protein kinase PBL15
maker-3-agustus-gene-178.12-mRNA-1	Japonica	NA	Kinase-TM	Os03g0366200	OsR498G0306008700.01.T02	Calcium/calmodulin-dependent serine/threonine protein kinase 1
maker-3-agustus-gene-191.31-mRNA-1	Japonica	NA	Kinase-TM	Os03g0390200	OsR498G0306085400.01.T01	Serine/threonine-protein kinase SRZC
maker-3-agustus-gene-214.24-mRNA-1	Japonica	NA	Kinase-TM	Os03g0424200	OsR498G0306238100.01.T04	Y-box domain-containing protein
maker-3-agustus-gene-214.49-mRNA-1	Japonica	NA	Kinase-TM	Os03g0424200	OsR498G0306240800.01.T02	Y-box domain-containing protein 32
maker-3-agustus-gene-278.24-mRNA-1	Japonica	NA	Kinase-TM	Os10g0405100	OsR498G1018676700.01.T05	probable serine/threonine-protein kinase PBL3
maker-3-agustus-gene-29.65-mRNA-1	Japonica	NA	Kinase-TM	Os03g0160100	OsR498G0305260500.01.T01	Serine/threonine-protein kinase EDR1
maker-3-agustus-gene-3.4-mRNA-1	Japonica	Indica	Kinase-TM	Os03g0118400	OsR498G0305096900.01.T04	Cell division control protein A
maker-3-agustus-gene-325.29-mRNA-1	Japonica	NA	Kinase-TM	Os03g0329700	OsR498G1018459800.01.T01	Receptor-like serine/threonine protein kinase
maker-3-agustus-gene-327.30-mRNA-1	Japonica	NA	Kinase-TM	Os10g0327000	OsR498G1018494900.01.T02	Receptor-like serine/threonine protein kinase
maker-3-agustus-gene-342.3-mRNA-1	Japonica	NA	Kinase-TM	Os03g0568800	OsR498G0306402700.01.T01	Proline-rich receptor-like protein kinase PERK13
maker-3-agustus-gene-380.27-mRNA-1	Japonica	Indica	Kinase-TM	Os12g0640700	OsR498G0306621200.01.T01	Serine/threonine-protein kinase Nek2
maker-3-agustus-gene-384.43-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0306653000.01.T01	Wall-associated receptor kinase 5
maker-3-agustus-gene-385.45-mRNA-1	Japonica	NA	Kinase-TM	Os03g0643250		Phosphonate metabolism protein, putative
maker-3-agustus-gene-39.11-mRNA-1	Japonica	NA	Kinase-TM	Os03g0715100	OsR498G0305326300.01.T01	Serine/threonine-protein kinase RPKP
maker-3-agustus-gene-420.19-mRNA-1	Japonica	NA	Kinase-TM	Os03g0703400	OsR498G0306885800.01.T03	Mitogen-activated protein kinase kinase kinase 1
maker-3-agustus-gene-420.9-mRNA-1	Japonica	Indica	Kinase-TM	Os03g0704400	OsR498G0306887900.01.T01	Serine/threonine-protein kinase mph1
maker-3-agustus-gene-424.23-mRNA-1	Japonica	NA	Kinase-TM	Os03g0711300	OsR498G0306914200.01.T02	Serine/threonine-protein kinase gri2
maker-3-agustus-gene-425.62-mRNA-1	Japonica	NA	Kinase-TM	Os03g0711800	OsR498G0306916400.01.T04	probable serine/threonine protein kinase IREH1
maker-3-agustus-gene-429.46-mRNA-1	Japonica	NA	Kinase-TM	Os03g0719850	OsR498G0306945400.01.T01	Serine/threonine domain containing protein
maker-3-agustus-gene-449.11-mRNA-1	Japonica	NA	Kinase-TM	Os03g0735000	OsR498G03070345100.01.T01	Serine/threonine-protein kinase dsl1
maker-3-agustus-gene-453.37-mRNA-1	Japonica	Indica	Kinase-TM	Os07g0114400	OsR498G0307088600.01.T01	Casein kinase II alpha subunit
maker-3-agustus-gene-454.22-mRNA-1	Japonica	NA	Kinase-TM	Os03g0764300	OsR498G0307097600.01.T02	Mitogen-activated protein kinase kinase kinase 5
maker-3-agustus-gene-454.4-mRNA-1	Japonica	NA	Kinase-TM	Os03g0763000	OsR498G0307094500.01.T01	Casein kinase II subunit alpha
maker-3-agustus-gene-455.0-mRNA-1	Japonica	NA	Kinase-TM	Os03g0764800	OsR498G0307099900.01.T01	Serine/threonine-protein kinase SAPK8
maker-3-agustus-gene-460.80-mRNA-1	Japonica	NA	Kinase-TM	Os03g0771800	OsR498G0307138400.01.T01	Proline-rich receptor-like protein kinase PERK4
maker-3-agustus-gene-480.25-mRNA-1	Japonica	Indica	Kinase-TM	Os03g0816100	OsR498G0307269400.01.T01	Non-specific lipid-transfer protein-like isoform 1
maker-3-agustus-gene-485.0-mRNA-1	Japonica	Indica	Kinase-TM	Os03g0825300	OsR498G0307301100.01.T01	Putative serine/threonine-protein kinase BSK3
maker-3-agustus-gene-491.22-mRNA-1	Japonica	NA	Kinase-TM	Os03g0839900	OsR498G0307344800.01.T01	Protein kinase protein with adenine nucleotide alpha hydrolase-like domain
maker-3-agustus-gene-494.32-mRNA-1	Japonica	NA	Kinase-TM	Os03g0847600	OsR498G0307365500.01.T05	Serine/threonine protein kinase
maker-3-agustus-gene-5.37-mRNA-1	Japonica	NA	Kinase-TM	Os03g0113000	OsR498G0305110000.01.T01	Receptor protein kinase GINKYL4
maker-3-agustus-gene-5.49-mRNA-1	Japonica	NA	Kinase-TM	Os03g0207300	OsR498G0305432000.01.T01	Protein kinase CK2 alpha chain
maker-3-agustus-gene-64.25-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0305491900.01.T01	Proline-rich receptor-like protein kinase PERK4 isoform A
maker-3-agustus-gene-64.4-mRNA-1	Japonica	NA	Kinase-TM	Os03g0225700	OsR498G0305488100.01.T01	Wall-associated receptor kinase
maker-3-agustus-gene-64.8-mRNA-1	Japonica	NA	Kinase-TM	Os03g0226300	OsR498G0305489900.01.T01	Pto kinase interactor
maker-3-agustus-gene-65.20-mRNA-1	Japonica	NA	Kinase-TM	Os03g0227900	OsR498G0305497400.01.T02	probable serine/threonine-protein kinase At1g01540
maker-3-agustus-gene-73.25-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0305498000.01.T01	Serine/threonine-protein kinase RPKP-like isoform X1
maker-3-agustus-gene-8.0-mRNA-1	Japonica	NA	Kinase-TM	Os03g0118400	OsR498G0305126900.01.T01	Cell division control protein A
maker-3-agustus-gene-83.13-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0305621000.01.T02	MAP kinase kinase kinase10
maker-3-agustus-gene-86.49-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0305644000.01.T04	Serine/threonine-protein kinase ATG1c isoform C
maker-3-agustus-gene-87.18-mRNA-1	Japonica	NA	Kinase-TM	Os03g0293000	OsR498G0305649000.01.T01	Serine/threonine-protein kinase
maker-3-agustus-gene-9.19-mRNA-1	Japonica	NA	Kinase-TM	Os03g0285800	OsR498G0305716200.01.T01	Mitogen-activated protein kinase
maker-4-agustus-gene-123.1-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0364000	OsR498G0409532800.01.T02	Calcium binding EGF domain containing protein, expressed
maker-4-agustus-gene-124.35-mRNA-1	Japonica	NA	Kinase-TM	Os04g0368000	OsR498G0408337400.01.T01	Wall-associated receptor kinase 2
maker-4-agustus-gene-139.33-mRNA-1	Japonica	NA	Kinase-TM	Os04g0393900	OsR498G0408485500.01.T01	Serine/threonine-protein kinase NAK
maker-4-agustus-gene-159.60-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0430000	OsR498G0408585300.01.T02	probable serine/threonine-protein kinase At1g01540
maker-4-agustus-gene-159.68-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0430400	OsR498G0408586700.01.T01	Protein kinase domain-containing protein
maker-4-agustus-gene-160.11-mRNA-1	Japonica	NA	Kinase-TM	Os04g0452000	OsR498G0408595100.01.T01	Serine/threonine-protein kinase SAPK7
maker-4-agustus-gene-174.80-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0472700	OsR498G0407704500.01.T02	Cysteine-rich receptor-like protein kinase 6
maker-4-agustus-gene-19.50-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0472000	OsR498G0407709800.01.T01	Cysteine-rich receptor-like protein kinase 6
maker-4-agustus-gene-191.39-mRNA-1	Japonica	NA	Kinase-TM	Os04g0488700	OsR498G0408802200.01.T01	Serine/threonine-protein kinase OX1
maker-4-agustus-gene-201.39-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0408871500.01.T01	Receptor-like serine/threonine-protein kinase ale2
maker-4-agustus-gene-220.0-mRNA-1	Japonica	NA	Kinase-TM	Os04g0546300	OsR498G0409018300.01.T01	Serine/threonine-protein kinase D6PKL1
maker-4-agustus-gene-221.65-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0558800	OsR498G0409565800.01.T02	Putative leucine-rich repeat receptor-like protein kinase family protein
maker-4-agustus-gene-242.17-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0580500	OsR498G0409144800.01.T01	Clade VII lectin receptor kinase
maker-4-agustus-gene-242.4-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0584600	OsR498G0409166900.01.T02	Calcium-dependent protein kinase
maker-4-agustus-gene-248.40-mRNA-1	Japonica	NA	Kinase-TM	Os04g0598600		Wall-associated kinase
maker-4-agustus-gene-248.42-mRNA-1	Japonica	NA	Kinase-TM	Os04g0598800	OsR498G0409215700.01.T01	Wall-associated receptor kinase-like 22 (Fragment)
maker-4-agustus-gene-248.50-mRNA-1	Japonica	NA	Kinase-TM	Os04g0599000	OsR498G0409216600.01.T02	Wall-associated kinase
maker-4-agustus-gene-254.39-mRNA-1	Japonica	NA	Kinase-TM	Os04g0619900	OsR498G0409261700.01.T03	Serine/threonine-protein kinase CTR1
maker-4-agustus-gene-259.35-mRNA-1	Japonica	NA	Kinase-TM	Os04g0616600	OsR498G0409282400.01.T01	Leucine-rich repeat transmembrane protein kinase
maker-4-agustus-gene-261.12-mRNA-1	Japonica	NA	Kinase-TM	Os04g0619400	OsR498G0409292800.01.T02	Serine/threonine-protein kinase receptor
maker-4-agustus-gene-268.0-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0633800	OsR498G0409337500.01.T02	Serine/threonine-protein kinase
maker-4-agustus-gene-268.22-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0632700	OsR498G0409334800.01.T01	Serine/threonine-protein kinase
maker-4-agustus-gene-268.25-mRNA-1	Japonica	Japonica	Kinase-TM	Os04g0636200	OsR498G0409335600.01.T01	Non-specific serine/threonine protein kinase
maker-4-agustus-gene-268.8-mRNA-1	Japonica	NA	Kinase-TM	Os04g0631300	OsR498G0409334300.01.T01	Non-specific serine/threonine protein kinase
maker-4-agustus-gene-269.71-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0783800	OsR498G0409339200.01.T03	Cysteine rich receptor like kinase
maker-4-agustus-gene-279.14-mRNA-1	Japonica	NA	Kinase-TM	Os04g0654600	OsR498G0409406500.01.T01	probable receptor-like serine/threonine-protein kinase AT5g57670
maker-4-agustus-gene-279.21-mRNA-1	Japonica	NA	Kinase-TM	Os04g0655300	OsR498G0409409300.01.T01	G-type lectin 5-receptor-like serine/threonine-protein kinase
maker-4-agustus-gene-279.23-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0655400	OsR498G0409409600.01.T01	G-type lectin 5-receptor-like serine/threonine-protein kinase
maker-4-agustus-gene-280.0-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0655300	OsR498G0409409600.01.T01	Mitogen-activated protein kinase kinase
maker-4-agustus-gene-281.48-mRNA-1	Japonica	Japonica	Kinase-TM	Os04g0558700	OsR498G0409421500.01.T01	Similar to putative receptor protein kinase from A. thaliana
maker-4-agustus-gene-292.61-mRNA-1	Japonica	NA	Kinase-TM	Os04g0679200	OsR498G0409497000.01.T02	Serine/threonine-protein kinase
maker-4-agustus-gene-296.20-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0409524800.01.T04	Serine/threonine-protein kinase STY46
maker-4-agustus-gene-298.34-mRNA-1	Japonica	NA	Kinase-TM	Os04g0689400	OsR498G0409533700.01.T01	Serine/threonine-protein kinase
maker-4-agustus-gene-299.42-mRNA-1	Japonica	NA	Kinase-TM	Os04g0691100	OsR498G0409538500.01.T02	Serine/threonine-protein kinase SAPK5
maker-4-agustus-gene-301.0-mRNA-1	Japonica	Indica	Kinase-TM	Os04g0711200	OsR498G0409546500.01.T02	probable serine/threonine-protein kinase At1g54610
maker-4-agustus-gene-31.39-mRNA-1	Japonica	Indica	Kinase-TM	Os11g0692100	OsR498G0407758000.01.T01	Receptor kinase MRK4
maker-4-agustus-gene-35.20-mRNA-1	Japonica	NA	Kinase-TM	Os04g0226600	OsR498G0407773100.01.T02	Non-specific serine/threonine protein kinase (Fragment)
maker-4-agustus-gene-66.41-mRNA-1	Japonica	NA	Kinase-TM	Os04g0286000		Calcium binding EGF domain containing protein, expressed
maker-4-agustus-gene-68.42-mRNA-1	Japonica	NA	Kinase-TM	Os04g0288500	OsR498G0407951200.01.T01	Putative receptor-type protein kinase LRK1
maker-4-agustus-gene-78.5-mRNA-1	Japonica	NA	Kinase-TM	Os04g0303500	OsR498G0408000400.01.T01	Receptor-like serine/threonine-protein kinase
maker-5-agustus-gene-79.14-mRNA-1	Japonica	NA	Kinase-TM			Putative LOV domain-containing protein
maker-5-agustus-gene-14.39-mRNA-1	Japonica	Japonica	Kinase-TM	Os05g0125300	OsR498G0509647100.01.T01	Cysteine-rich kinase LIP2
maker-5-agustus-gene-152.41-mRNA-1	Japonica	NA	Kinase-TM	Os05g0319700	OsR498G0510482900.01.T01	Phytosulfokine receptor
maker-5-agustus-gene-17.57-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0509666500.01.T01	Cysteine-rich receptor-like protein kinase 3
maker-5-agustus-gene-198.7-mRNA-1	Japonica	NA	Kinase-TM	Os05g0389700	OsR498G0510762700.01.T02	Cyclin-dependent kinase
maker-5-agustus-gene-20.20-mRNA-1	Japonica	NA	Kinase-TM	Os05g0134000	OsR498G0509679200.01.T01	Non-specific serine/threonine protein kinase
maker-5-agustus-gene-200.12-mRNA-1	Japonica	NA	Kinase-TM	Os05g0392300	OsR498G0510773500.01.T01	Cdk activating kinase (CAK)/RNA polymerase II transcription initiation
maker-5-agustus-gene-200.22-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0510772400.01.T05	RING-type E3 ubiquitin transferase
maker-5-agustus-gene-203.8-mRNA-1	Japonica	NA	Kinase-TM	Os05g0398800	OsR498G0510792100.01.T01	Putative serine/threonine-protein kinase RLCKVII (Fragment)
maker-5-agustus-gene-21.30-mRNA-1	Japonica	NA	Kinase-TM	Os05g0135800	OsR498G0509688700.01.T01	Pto-interacting protein 1
maker-5-agustus-gene-21.51-mRNA-1	Japonica	NA	Kinase-TM	Os05g0136200	OsR498G0509691000.01.T02	Non-specific serine/threonine protein kinase
maker-5-agustus-gene-238.66-mRNA-1	Japonica	NA	Kinase-TM	Os05g0463000		Putative serine/threonine-protein kinase PBL26
maker-5-agustus-gene-247.0-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0511051300.01.T01	Serine/threonine-protein kinase STN8 chloroplastic
maker-5-agustus-gene-25.37-mRNA-1	Japonica	Indica	Kinase-TM	Os11g0271100	OsR498G0509721500.0	

maker-7-augustus-gene-143.41-mRNA-1	Japonica	Indica	Kinase-TM	Os07g0348500	OsR498G0714165300.01.T03	Putative serine/threonine-protein kinase SiS8 isoform A
maker-7-augustus-gene-157.34-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0714229400.01.T02	ABC1 domain-containing protein (Fragment)
maker-7-augustus-gene-164.33-mRNA-1	Japonica	Indica	Kinase-TM	Os07g0471000	OsR498G0714268500.01.T01	Serine/threonine-protein kinase/endonuclease IRE1a
maker-7-augustus-gene-167.38-mRNA-1	Japonica	Indica	Kinase-TM	Os07g0472400	OsR498G0714275700.01.T01	probable serine/threonine-protein kinase sky1
maker-7-augustus-gene-169.35-mRNA-1	Japonica	Indica	Kinase-TM	Os07g0475900	OsR498G0714289000.01.T01	serine/threonine-protein kinase STY46 isoform X2
maker-7-augustus-gene-177.3-mRNA-1	Japonica	NA	Kinase-TM	Os07g0487400		Receptor protein kinase-like protein
maker-7-augustus-gene-206.4-mRNA-1	Japonica	NA	Kinase-TM	Os07g0537000	OsR498G0714501700.01.T01	Receptor-like serine/threonine-protein kinase
maker-7-augustus-gene-206.5-mRNA-1	Japonica	NA	Kinase-TM			G-type lectin 5-receptor-like serine/threonine-protein kinase
maker-7-augustus-gene-207.43-mRNA-1	Japonica	Indica	Kinase-TM	Os07g0537500	OsR498G0714502600.01.T01	Cysteine-rich receptor-like protein kinase 6
maker-7-augustus-gene-208.31-mRNA-1	Japonica	Indica	Kinase-TM	Os07g0537900	OsR498G0714510100.01.T01	Cysteine-rich receptor-like protein kinase 8
maker-7-augustus-gene-209.33-mRNA-1	Japonica	NA	Kinase-TM			Cysteine-rich receptor-like protein kinase 25 isoform C
maker-7-augustus-gene-209.7-mRNA-1	Japonica	Indica	Kinase-TM	Os07g0541500	OsR498G0714517300.01.T01	Cysteine-rich receptor kinase
maker-7-augustus-gene-210.35-mRNA-1	Japonica	NA	Kinase-TM			PinKase domain-containing protein/Stress-antifung domain-containing protein
maker-7-augustus-gene-210.44-mRNA-1	Japonica	Indica	Kinase-TM	Os07g0542400	OsR498G0714520000.01.T01	Cysteine-rich receptor-like protein kinase 15
maker-7-augustus-gene-214.18-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0714538800.01.T02	Non-specific serine/threonine protein kinase (Fragment)
maker-7-augustus-gene-214.21-mRNA-1	Japonica	NA	Kinase-TM	Os07g0550900	OsR498G0714541400.01.T01	Serine/threonine-protein kinase
maker-7-augustus-gene-214.25-mRNA-1	Japonica	NA	Kinase-TM	Os07g0551300	OsR498G0714542600.01.T02	Serine/threonine-protein kinase
maker-7-augustus-gene-228.2-mRNA-1	Japonica	NA	Kinase-TM	Os07g0572800	OsR498G0714612300.01.T06	Serine/threonine-protein kinase WNK1
maker-7-augustus-gene-250.8-mRNA-1	Japonica	NA	Kinase-TM	Os07g0613500	OsR498G0714745300.01.T02	Serine/threonine-protein kinase RIKP
maker-7-augustus-gene-255.26-mRNA-1	Japonica	NA	Kinase-TM			Serine/threonine-protein kinase SRK2C
maker-7-augustus-gene-258.17-mRNA-1	Japonica	NA	Kinase-TM	Os07g0628700	OsR498G0714798600.01.T01	Cysteine-rich receptor-like protein kinase 8
maker-7-augustus-gene-258.21-mRNA-1	Japonica	NA	Kinase-TM	Os07g0628900	OsR498G0714798800.01.T02	Non-specific serine/threonine protein kinase
maker-7-augustus-gene-260.64-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0714811200.01.T01	serine/threonine-protein kinase STY8-like isoform X1
maker-7-augustus-gene-262.14-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0714826500.01.T04	Non-specific serine/threonine protein kinase
maker-7-augustus-gene-264.57-mRNA-1	Japonica	Indica	Kinase-TM	Os03g0366200	OsR498G0714839200.01.T01	Calcium/calmodulin-dependent serine/threonine-protein kinase 1
maker-7-augustus-gene-280.12-mRNA-1	Japonica	Indica	Kinase-TM	Os03g0349200	OsR498G0715139400.01.T02	probable serine/threonine-protein kinase At1g54610
maker-7-augustus-gene-284.30-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0714949300.01.T02	PEK protein kinase
maker-7-augustus-gene-290.60-mRNA-1	Japonica	Indica	Kinase-TM	Os03g0319400	OsR498G0714991900.01.T01	Non-specific serine/threonine protein kinase
maker-7-augustus-gene-293.6-mRNA-1	Japonica	NA	Kinase-TM	Os07g0693000	OsR498G0715012100.01.T01	Putative inactive receptor-like protein kinase
maker-7-augustus-gene-32.0-mRNA-1	Japonica	Japonica	Kinase-TM	Os07g0203900	OsR498G0713710700.01.T01	Proto-oncogene tyrosine-protein kinase YRK
maker-7-augustus-gene-4.14-mRNA-1	Japonica	NA	Kinase-TM	Os07g0119000	OsR498G0713919000.01.T01	Mitogen-activated protein kinase kinase YODA
maker-7-augustus-gene-70.33-mRNA-1	Japonica	Indica	Kinase-TM	Os07g0534500	OsR498G0713832100.01.T01	Cysteine-rich receptor-like protein kinase 29
maker-7-augustus-gene-89.7-mRNA-1	Japonica	NA	Kinase-TM			Clade IV lectin receptor kinase
maker-8-augustus-gene-158.8-mRNA-1	Japonica	NA	Kinase-TM	Os08g0343000	OsR498G0815840500.01.T03	Proline-rich receptor-like protein kinase PERK14 isoform X5
maker-8-augustus-gene-16.11-mRNA-1	Japonica	Japonica	Kinase-TM	Os08g0125200	OsR498G0815100800.01.T01	Putative receptor-type protein kinase LRK1
maker-8-augustus-gene-2.45-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0815032000.01.T02	Serine/threonine-protein kinase STY46
maker-8-augustus-gene-23.45-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0815149000.01.T02	Calcium/calmodulin-regulated receptor-like protein kinase 1
maker-8-augustus-gene-260.33-mRNA-1	Japonica	NA	Kinase-TM	Os08g0501500	OsR498G0816405000.01.T01	Wall-associated receptor kinase 1
maker-8-augustus-gene-261.0-mRNA-1	Japonica	Japonica	Kinase-TM	Os08g0501600	OsR498G0816405300.01.T01	Wall associated kinase
maker-8-augustus-gene-267.13-mRNA-1	Japonica	NA	Kinase-TM	Os08g0512600	OsR498G0816453300.01.T01	Cyclin-dependent kinase B
maker-8-augustus-gene-268.36-mRNA-1	Japonica	Japonica	Kinase-TM	Os08g0514000	OsR498G0816459900.01.T01	L-type lectin-domain containing receptor kinase IV.2
maker-8-augustus-gene-268.38-mRNA-1	Japonica	Indica	Kinase-TM	Os08g0328400	OsR498G0816460300.01.T01	Mitogen-activated protein kinase kinase
maker-8-augustus-gene-283.2-mRNA-1	Japonica	NA	Kinase-TM	Os08g0385200	OsR498G0816454500.01.T02	Chitin elicitor receptor kinase 1
maker-8-augustus-gene-45.40-mRNA-1	Japonica	Japonica	Kinase-TM	Os08g0174800	OsR498G0815299300.01.T01	LRR receptor kinase BAK1
maker-8-augustus-gene-48.33-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0815310900.01.T05	Non-specific serine/threonine protein kinase
maker-8-augustus-gene-79.35-mRNA-1	Japonica	NA	Kinase-TM	Os08g0224100	OsR498G0815462500.01.T01	serine/threonine-protein kinase STY13
maker-9-augustus-gene-104.0-mRNA-1	Japonica	NA	Kinase-TM			Senescence-induced receptor-like serine/threonine-protein kinase
maker-9-augustus-gene-107.14-mRNA-1	Japonica	Indica	Kinase-TM	Os09g0349600	OsR498G0917233000.01.T01	Putative LRR receptor-like serine/threonine protein kinase
maker-9-augustus-gene-108.67-mRNA-1	Japonica	Indica	Kinase-TM	Os09g0348300	OsR498G0917213300.01.T01	Serine/threonine-specific receptor protein kinase-like
maker-9-augustus-gene-108.69-mRNA-1	Japonica	Indica	Kinase-TM	Os09g0348300	OsR498G0917213100.01.T01	Serine/threonine-specific receptor protein kinase-like
maker-9-augustus-gene-110.4-mRNA-1	Japonica	NA	Kinase-TM			L-type lectin-domain containing receptor kinase IX.1
maker-9-augustus-gene-114.2-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0917185900.01.T01	Clade XIV lectin receptor kinase
maker-9-augustus-gene-114.3-mRNA-1	Japonica	NA	Kinase-TM	Os09g0334800	OsR498G0917182700.01.T01	L-type lectin-domain containing receptor kinase IX.1
maker-9-augustus-gene-115.3-mRNA-1	Japonica	NA	Kinase-TM			Serine/threonine-specific receptor protein kinase-like
maker-9-augustus-gene-116.0-mRNA-1	Japonica	Japonica	Kinase-TM	Os09g0356200	OsR498G0917236300.01.T05	Putative LRR receptor-like serine/threonine-protein kinase
maker-9-augustus-gene-117.3-mRNA-1	Japonica	Indica	Kinase-TM	Os09g0356800	OsR498G0917240400.01.T05	Protein kinase domain-containing protein
maker-9-augustus-gene-127.39-mRNA-1	Japonica	Indica	Kinase-TM	Os09g0375600	OsR498G0917296000.01.T01	Serine/threonine-protein kinase CDL1
maker-9-augustus-gene-171.35-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0917599400.01.T02	Non-specific serine/threonine protein kinase
maker-9-augustus-gene-178.50-mRNA-1	Japonica	Japonica	Kinase-TM	Os09g0449000	OsR498G0917648000.01.T02	Serine/threonine-protein kinase PEPK2
maker-9-augustus-gene-180.51-mRNA-1	Japonica	NA	Kinase-TM	Os09g0466900	OsR498G0917661800.01.T01	Wall-associated receptor kinase-like 8
maker-9-augustus-gene-181.50-mRNA-1	Japonica	NA	Kinase-TM			Wall-associated receptor kinase
maker-9-augustus-gene-186.2-mRNA-1	Japonica	NA	Kinase-TM	Os09g0482640	OsR498G0917701900.01.T01	Wall associated kinase
maker-9-augustus-gene-199.37-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0917786500.01.T01	Chitin elicitor receptor kinase 1
maker-9-augustus-gene-201.0-mRNA-1	Japonica	Indica	Kinase-TM	Os01g0899000	OsR498G0917927200.01.T02	Putative Pto kinase interactor 1
maker-9-augustus-gene-219.38-mRNA-1	Japonica	Indica	Kinase-TM	Os09g0551500	OsR498G0917921800.01.T02	Non-specific serine/threonine protein kinase (Fragment)
maker-9-augustus-gene-219.45-mRNA-1	Japonica	NA	Kinase-TM			Non-specific serine/threonine protein kinase (Fragment)
maker-9-augustus-gene-219.47-mRNA-1	Japonica	NA	Kinase-TM		Os09g0505000	Non-specific serine/threonine protein kinase (Fragment)
maker-9-augustus-gene-219.50-mRNA-1	Japonica	NA	Kinase-TM			Non-specific serine/threonine protein kinase
maker-9-augustus-gene-219.52-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0917920000.01.T01	Serine/threonine-protein kinase
maker-9-augustus-gene-219.54-mRNA-1	Japonica	Indica	Kinase-TM		OsR498G0917921800.01.T01	Non-specific serine/threonine protein kinase
maker-9-augustus-gene-220.26-mRNA-1	Japonica	NA	Kinase-TM	Os09g0552300	OsR498G0917948800.01.T01	Serine/threonine-protein kinase ac33
maker-9-augustus-gene-224.22-mRNA-1	Japonica	Japonica	Kinase-TM	Os09g0541500	OsR498G0917950700.01.T01	Wall-associated receptor kinase 3
maker-9-augustus-gene-227.10-mRNA-1	Japonica	NA	Kinase-TM		OsR498G0917964200.01.T02	Tyrosine kinase
maker-9-augustus-gene-230.46-mRNA-1	Japonica	NA	Kinase-TM	Os09g0572600	OsR498G0917982500.01.T01	probable serine/threonine-protein kinase PBL23
maker-9-augustus-gene-96.74-mRNA-1	Japonica	Japonica	Kinase-TM	Os09g0325140	OsR498G0917156400.01.T04	LysM domain receptor-like kinase 10
augustus-1-processed-gene-151.26-mRNA-1	NA	NA	Kinase-TM	Os01g0366300		Cysteine-rich receptor-like protein kinase 10
augustus-1-processed-gene-381.44-mRNA-1	NA	NA	Kinase-TM	Os01g0386900	OsR498G09102413500.01.T01	Serine/threonine-protein kinase SAPK4
augustus-1-processed-gene-384.53-mRNA-1	NA	Indica	Kinase-TM	Os01g0889900	OsR498G09102461100.01.T01	Receptor-like serine/threonine-protein kinase
augustus-1-processed-gene-390.53-mRNA-1	NA	NA	Kinase-TM	Os01g0883000		Receptor-like protein kinase
augustus-1-processed-gene-390.54-mRNA-1	NA	Indica	Kinase-TM	Os01g0424200	OsR498G09102463700.01.T01	Tyrosine-protein kinase
augustus-1-processed-gene-392.0-mRNA-1	NA	NA	Kinase-TM	Os01g0885700	OsR498G09102473900.01.T01	Serine/threonine-protein kinase
augustus-1-processed-gene-395.54-mRNA-1	NA	Indica	Kinase-TM	Os01g0891800	OsR498G09102498100.01.T02	Dual specificity protein kinase shK
augustus-1-processed-gene-435.41-mRNA-1	NA	NA	Kinase-TM	Os01g0869900	OsR498G09102413500.01.T01	Serine/threonine-protein kinase SAPK4
augustus-1-processed-gene-435.54-mRNA-1	NA	Indica	Kinase-TM	Os01g0889900	OsR498G09102461100.01.T01	Receptor-like serine/threonine-protein kinase
augustus-1-processed-gene-441.20-mRNA-1	NA	NA	Kinase-TM	Os01g0883000		Receptor-like protein kinase
augustus-1-processed-gene-441.21-mRNA-1	NA	Indica	Kinase-TM	Os01g0492400	OsR498G09102463700.01.T01	Tyrosine-protein kinase
augustus-1-processed-gene-442.42-mRNA-1	NA	NA	Kinase-TM	Os01g0885700	OsR498G09102473900.01.T01	Serine/threonine-protein kinase
augustus-1-processed-gene-446.17-mRNA-1	NA	Indica	Kinase-TM	Os01g0891800	OsR498G09102498100.01.T02	Dual specificity protein kinase shK
augustus-1-processed-gene-58.69-mRNA-1	NA	Indica	Kinase-TM	Os01g0206300	OsR498G09100377100.01.T01	Non-specific serine/threonine protein kinase
augustus-1-processed-gene-67.44-mRNA-1	NA	Indica	Kinase-TM	Os01g0222800	OsR498G09100443500.01.T01	Serine/threonine-protein kinase
augustus-1-processed-gene-67.45-mRNA-1	NA	NA	Kinase-TM	0	OsR498G09100443900.01.T01	Serine/threonine-protein kinase
augustus-1-processed-gene-93.35-mRNA-1	NA	NA	Kinase-TM	Os01g0267800	OsR498G09100624700.01.T01	serine/threonine-protein kinase-like protein At5g23170
augustus-10-processed-gene-38.5-mRNA-1	NA	Japonica	Kinase-TM	Os01g0157400	OsR498G0910161300.01.T01	Putative cyclin-dependent kinase F-2
augustus-10-processed-gene-9.12-mRNA-1	NA	Indica	Kinase-TM	Os01g0105100	OsR498G09101803700.01.T01	Wall-associated receptor kinase 2
augustus-11-processed-gene-256.22-mRNA-1	NA	NA	Kinase-TM	Os01g0691240	OsR498G1120759300.01.T01	Wall associated kinase-like
augustus-2-processed-gene-261.6-mRNA-1	NA	NA	Kinase-TM	Os02g0632800	OsR498G09204378000.01.T02	Wall-associated receptor kinase-like protein 9
augustus-4-processed-gene-121.14-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0408317100.01.T03	Wall-associated receptor kinase 3
augustus-4-processed-gene-212.65-mRNA-1	NA	NA	Kinase-TM	Os04g0531300	OsR498G0408965500.01.T01	Lectin receptor-type kinase
augustus-4-processed-gene-268.79-mRNA-1	NA	Japonica	Kinase-TM	Os04g0433800	OsR498G0409334600.01.T02	Non-specific serine/threonine protein kinase
augustus-5-processed-gene-118.14-mRNA-1	NA	NA	Kinase-TM	Os05g0280700	OsR498G05102277400.01.T01	Receptor-like protein kinase ANXUR1
augustus-5-processed-gene-281.47-mRNA-1	NA	NA	Kinase-TM	Os05g0545400	OsR498G0511283000.01.T01	Mitogen-activated protein kinase kinase ANP1-like
augustus-7-processed-gene-12.20-mRNA-1	NA	Japonica	Kinase-TM	Os07g0130300	OsR498G0713999000.01.T01	L-type lectin-domain containing receptor kinase IV.1
augustus-7-processed-gene-12.22-mRNA-1	NA	Japonica	Kinase-TM	Os07g0130600	OsR498G0716878800.01.T01	Putative receptor kinase Leckr
augustus-7-processed-gene-12.23-mRNA-1	NA	Japonica	Kinase-TM	Os07g0160700	OsR498G0713461800.01.T01	L-type lectin-domain containing receptor kinase IV.1
augustus-7-processed-gene-12.25-mRNA-1	NA	NA	Kinase-TM	Os07g0130800	OsR498G0713462000.01.T01	Putative receptor kinase Leckr
augustus-7-processed-gene-181.23-mRNA-1	NA	NA	Kinase-TM	Os07g0493800	OsR498G0714347500.01.T01	Wall-associated protein kinase
augustus-7-processed-gene-208.7-mRNA-1	NA	NA	Kinase-TM			Receptor-like serine/threonine-protein kinase
augustus-7-processed-gene-285.36-mRNA-1	NA	Japonica	Kinase-TM	Os07g0678300	OsR498G0306613200.01.T01	Non-specific serine/threonine protein kinase
augustus-7-processed-gene-285.47-mRNA-1	NA	NA	Kinase-TM	Os07g0678600	OsR498G0714955800.01.T01	CBL interacting protein kinase
augustus-7-processed-gene-126.25-mRNA-1	NA	NA	Kinase-TM			Wall-associated receptor kinase 2
augustus_masked-1-processed-gene-58.86-mRNA-1	NA	NA	Kinase-TM	Os01g0208700	OsR498G09100377600.01.T01	Non-specific serine/threonine protein kinase
augustus_masked-10-processed-gene-148.16-mRNA-1	NA	NA	Kinase-TM	Os04g0103500	OsR498G0407421200.01.T01	G-type lectin 5-receptor-like serine/threonine protein kinase
augustus_masked-10-processed-gene-17.31-mRNA-1	NA	Japonica	Kinase-TM	Os01g0123300	OsR498G1018069800.01.T01	Mitogen-activated protein kinase
augustus_masked-10-processed-gene-36.28-mRNA-1	NA	NA	Kinase-TM	Os01g0154500	OsR498G1018162400.01.T01	Cyclin-dependent kinase-like 2
augustus_masked-12-processed-gene-139.29-mRNA-1	NA	NA	Kinase-TM	Os01g0427000		Cyclin-dependent kinase
augustus_masked-12-processed-gene-199.30-mRNA-1	NA	NA	Kinase-TM	Os01g0504000		active receptor kinase-like protein
augustus_masked-12-processed-gene-257.18-mRNA-1	NA	Japonica	Kinase-TM	Os01g0603700	OsR498G0306613200.01.T01	Non-specific serine/threonine protein kinase
augustus_masked-12-processed-gene-260.9-mRNA-1	NA	Indica	Kinase-TM	Os01g0608500	OsR498G1222075300.01.T01	L-type lectin-domain containing receptor kinase IX.1
augustus_masked-3-processed-gene-242.7-mRNA-1	NA	NA	Kinase-TM	Os03g0269300	OsR498G0305649000.01.T01	Protein kinase domain-containing protein (Fragment)
augustus_masked-3-processed-gene-318.0-mRNA-1	NA	NA	Kinase-TM	Os01g0342300	OsR498G0408563300.01.T01	Non-specific serine/threonine protein kinase (Fragment)
augustus_masked-3-processed-gene-502.39-mRNA-1	NA	NA	Kinase-TM	Os01g0242000		Cyclin-dependent kinase
augustus_masked-3-processed-gene-63.45-mRNA-1	NA	NA	Kinase-TM	Os03g0223100	OsR498G030548800.01.T01	Mitogen

maker-1-augustus-gene-254.15-mRNA-1	NA	NA	Kinase-TM	Os01g0621600	OsR498G0101562800.01.T02	Serine/threonine-protein kinase MARK2
maker-1-augustus-gene-255.29-mRNA-1	NA	Indica	Kinase-TM	Os05g0855500	OsR498G0101565900.01.T01	Calcium-dependent protein kinase 1 isoform A
maker-1-augustus-gene-264.49-mRNA-1	NA	NA	Kinase-TM	Os01g0641000	OsR498G0101624900.01.T01	Serine/threonine-protein kinase STY8
maker-1-augustus-gene-265.37-mRNA-1	NA	NA	Kinase-TM	0	0	Non-specific serine/threonine protein kinase
maker-1-augustus-gene-266.5-mRNA-1	NA	NA	Kinase-TM	0	0	Mitogen-activated protein kinase
maker-1-augustus-gene-278.40-mRNA-1	NA	NA	Kinase-TM	Os01g0665200	OsR498G0101709700.01.T01	Mitogen-activated protein kinase
maker-1-augustus-gene-292.1-mRNA-1	NA	NA	Kinase-TM	Os01g0690800	OsR498G0101800500.01.T01	Protein kinase domain-containing protein (Fragment)
maker-1-augustus-gene-374.48-mRNA-1	NA	Indica	Kinase-TM	Os03g0825800	OsR498G0102345600.01.T02	Serine/threonine protein kinase
maker-1-augustus-gene-384.34-mRNA-1	NA	Indica	Kinase-TM	Os01g0889900	OsR498G010244800.01.T01	Receptor-like serine/threonine protein kinase
maker-1-augustus-gene-384.35-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0102415600.01.T01	Non-specific serine/threonine protein kinase (Fragment)
maker-1-augustus-gene-390.20-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0102460400.01.T03	probable serine/threonine-protein kinase PBL16
maker-1-augustus-gene-394.0-mRNA-1	NA	Indica	Kinase-TM	Os01g0890600	OsR498G0102489700.01.T01	Non-specific serine/threonine protein kinase (Fragment)
maker-1-augustus-gene-394.19-mRNA-1	NA	NA	Kinase-TM	Os01g0889900	OsR498G0102488800.01.T01	Receptor-like serine/threonine protein kinase
maker-1-augustus-gene-394.3-mRNA-1	NA	Indica	Kinase-TM	Os01g0890600	OsR498G0102491100.01.T02	Receptor-like serine/threonine-protein kinase
maker-1-augustus-gene-398.16-mRNA-1	NA	NA	Kinase-TM	Os01g0899000	OsR498G0102515200.01.T01	Tyrosine-protein kinase
maker-1-augustus-gene-404.31-mRNA-1	NA	NA	Kinase-TM	Os01g0621600	OsR498G0101562800.01.T02	Serine/threonine-protein kinase MARK2
maker-1-augustus-gene-414.47-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0101485500.01.T05	Kinase protein with adenine nucleotide alpha hydrolases-like domain isoform 1
maker-1-augustus-gene-415.56-mRNA-1	NA	Indica	Kinase-TM	Os01g0601200	OsR498G0101477700.01.T01	Putative serine/threonine-protein kinase
maker-1-augustus-gene-425.19-mRNA-1	NA	Indica	Kinase-TM	Os03g0825800	OsR498G0102345600.01.T02	Serine/threonine protein kinase
maker-1-augustus-gene-435.37-mRNA-1	NA	Indica	Kinase-TM	Os01g0889900	OsR498G0102415600.01.T01	Receptor-like serine/threonine-protein kinase
maker-1-augustus-gene-435.39-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0102415600.01.T01	Non-specific serine/threonine protein kinase (Fragment)
maker-1-augustus-gene-441.74-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0102460400.01.T03	probable serine/threonine-protein kinase PBL16
maker-1-augustus-gene-445.24-mRNA-1	NA	NA	Kinase-TM	Os01g0889900	OsR498G0102488800.01.T01	Receptor-like serine/threonine-protein kinase
maker-1-augustus-gene-445.6-mRNA-1	NA	Indica	Kinase-TM	Os01g0890600	OsR498G0102489700.01.T01	Non-specific serine/threonine protein kinase (Fragment)
maker-1-augustus-gene-449.48-mRNA-1	NA	Indica	Kinase-TM	Os01g0890600	OsR498G0102491100.01.T02	Receptor-like serine/threonine-protein kinase
maker-1-augustus-gene-453.37-mRNA-1	NA	NA	Kinase-TM	Os01g0899000	OsR498G0102515200.01.T01	Tyrosine-protein kinase
maker-1-augustus-gene-465.17-mRNA-1	NA	NA	Kinase-TM	Os01g0621600	OsR498G0101562800.01.T02	Serine/threonine-protein kinase MARK2
maker-1-augustus-gene-465.17-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0101485500.01.T05	Kinase protein with adenine nucleotide alpha hydrolases-like domain isoform 1
maker-1-augustus-gene-466.47-mRNA-1	NA	Indica	Kinase-TM	Os01g0601200	OsR498G0101477700.01.T01	Putative serine/threonine-protein kinase
maker-1-augustus-gene-47.42-mRNA-1	NA	NA	Kinase-TM	Os01g0186700	OsR498G0100292200.01.T01	AGC (cAMP-dependent cGMP-dependent and protein kinase C) kinase family protein
maker-1-augustus-gene-51.18-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0100292200.01.T01	Protein kinase domain-containing protein
maker-1-augustus-gene-53.5-mRNA-1	NA	Indica	Kinase-TM	Os08g0112500	OsR498G0100355100.01.T01	probable serine/threonine-protein kinase At1g54610
maker-1-augustus-gene-58.31-mRNA-1	NA	Indica	Kinase-TM	Os05g0207500	OsR498G0100374600.01.T04	Non-specific serine/threonine protein kinase
maker-1-augustus-gene-82.9-mRNA-1	NA	NA	Kinase-TM	Os01g0247500	OsR498G0100545400.01.T01	receptor-like serine/threonine-protein kinase At1g78530
maker-1-augustus-gene-84.39-mRNA-1	NA	NA	Kinase-TM	Os01g0252100	OsR498G0100559700.01.T07	Non-specific serine/threonine protein kinase
maker-1-augustus-gene-84.72-mRNA-1	NA	NA	Kinase-TM	Os01g0253100	OsR498G0100562800.01.T03	proline-rich receptor-like protein kinase PERK3
maker-1-augustus-gene-89.20-mRNA-1	NA	NA	Kinase-TM	Os01g0259200	OsR498G0100587300.01.T01	Serine/threonine-protein kinase PBL27
maker-1-augustus-gene-87.52-mRNA-1	NA	NA	Kinase-TM	Os01g0259400	OsR498G0100587800.01.T01	Serine/threonine-protein kinase RUNELK
maker-10-augustus-gene-127.40-mRNA-1	NA	NA	Kinase-TM	Os04g0140400	OsR498G0407534800.01.T01	Serine/threonine-protein kinase
maker-10-augustus-gene-127.41-mRNA-1	NA	NA	Kinase-TM	Os04g0125700	OsR498G0407534800.01.T01	Non-specific serine/threonine protein kinase
maker-10-augustus-gene-127.48-mRNA-1	NA	NA	Kinase-TM	Os04g0141200	OsR498G0407536900.01.T01	Receptor-like serine/threonine-protein kinase
maker-10-augustus-gene-122.28-mRNA-1	NA	NA	Kinase-TM	Os04g0125700	OsR498G0407536900.01.T01	Agglutinin-2
maker-10-augustus-gene-145.10-mRNA-1	NA	Indica	Kinase-TM	Os04g0109100	OsR498G0407442400.01.T01	Non-specific serine/threonine protein kinase
maker-10-augustus-gene-56.31-mRNA-1	NA	Indica	Kinase-TM	Os01g0180800	OsR498G0101827600.01.T01	Calcium binding EGF domain containing protein, expressed
maker-11-augustus-gene-123.43-mRNA-1	NA	NA	Kinase-TM	0	OsR498G1120059900.01.T01	probable serine/threonine-protein kinase PBL28
maker-11-augustus-gene-230.58-mRNA-1	NA	Indica	Kinase-TM	Os06g0693200	OsR498G1120627100.01.T01	Protein kinase domain containing protein, expressed
maker-11-augustus-gene-256.34-mRNA-1	NA	NA	Kinase-TM	Os01g0695850	OsR498G1120743300.01.T02	Wall-associated receptor kinase
maker-11-augustus-gene-256.48-mRNA-1	NA	Indica	Kinase-TM	Os01g0691240	OsR498G1120759300.01.T01	Wall-associated kinase-like
maker-11-augustus-gene-75.2-mRNA-1	NA	NA	Kinase-TM	0	OsR498G1119613600.01.T01	Customer beta subunit, putative
maker-12-augustus-gene-1.5-mRNA-1	NA	NA	Kinase-TM	0	0	Nonphosphotrophic hypocoxy 1
maker-12-augustus-gene-147.6-mRNA-1	NA	NA	Kinase-TM	Os02g0433500	OsR498G1221451200.01.T03	serine/threonine-protein kinase TIO
maker-12-augustus-gene-241.74-mRNA-1	NA	Indica	Kinase-TM	Os02g0559300	OsR498G1221932600.01.T02	Protein kinase domain containing protein, expressed
maker-12-augustus-gene-247.13-mRNA-1	NA	NA	Kinase-TM	Os01g0586100	OsR498G1221987400.01.T01	Serine/threonine-protein kinase SAPK10
maker-12-augustus-gene-252.9-mRNA-1	NA	NA	Kinase-TM	Os02g0594300	OsR498G1222027100.01.T01	Serine/threonine-protein kinase CTR1
maker-12-augustus-gene-259.2-mRNA-1	NA	NA	Kinase-TM	Os01g0606000	0	Lectin protein kinase, putative, expressed
maker-12-augustus-gene-260.56-mRNA-1	NA	Indica	Kinase-TM	Os01g0608500	OsR498G1222073900.01.T01	Protein kinase-like resistance protein (Fragment)
maker-12-augustus-gene-281.15-mRNA-1	NA	NA	Kinase-TM	Os07g0114400	OsR498G0713403200.01.T01	CK2 protein kinase alpha 4
maker-12-augustus-gene-283.35-mRNA-1	NA	NA	Kinase-TM	Os04g0560600	OsR498G0409068000.01.T01	Calcium-dependent protein kinase
maker-12-augustus-gene-284.41-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0409078000.01.T02	Mitogen-activated protein kinase pink-2 (inferred by orthology to a C. elegans protein)
maker-12-augustus-gene-285.20-mRNA-1	NA	NA	Kinase-TM	Os01g0606000	0	probable serine/threonine-protein kinase PXL13
maker-12-augustus-gene-288.123-mRNA-1	NA	NA	Kinase-TM	0	0	Lectin protein kinase, putative, expressed
maker-12-augustus-gene-288.90-mRNA-1	NA	NA	Kinase-TM	Os01g0606000	0	Lectin protein kinase, putative, expressed
maker-12-augustus-gene-43.8-mRNA-1	NA	NA	Kinase-TM	0	OsR498G1221046200.01.T01	Protein kinase protein with adenine nucleotide alpha hydrolase-like domain
maker-12-augustus-gene-43.9-mRNA-1	NA	NA	Kinase-TM	0	OsR498G1221046200.01.T01	Proline-rich receptor-like protein kinase PERK13
maker-12-augustus-gene-5.18-mRNA-1	NA	NA	Kinase-TM	Os01g0186700	OsR498G0100292200.01.T01	Putative serine/threonine-protein kinase
maker-2-augustus-gene-10.86-mRNA-1	NA	NA	Kinase-TM	Os02g0120100	OsR498G0202861000.01.T04	Serine/threonine-protein kinase STY46
maker-2-augustus-gene-107.44-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0203403400.01.T02	serine/threonine-protein kinase RH35
maker-2-augustus-gene-197.16-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0203979600.01.T05	Mitogen activated kinase kinase kinase CTR1
maker-2-augustus-gene-234.7-mRNA-1	NA	NA	Kinase-TM	Os02g0594100	OsR498G0204225300.01.T02	serine/threonine-protein kinase STY13
maker-2-augustus-gene-247.6-mRNA-1	NA	Indica	Kinase-TM	Os02g0615500	OsR498G0204301900.01.T02	Putative LRR receptor-like serine/threonine-protein kinase
maker-2-augustus-gene-262.27-mRNA-1	NA	NA	Kinase-TM	Os02g0630646	OsR498G0204379000.01.T01	Wall-associated receptor kinase-4
maker-2-augustus-gene-262.30-mRNA-1	NA	NA	Kinase-TM	0	0	Wall-associated receptor kinase-4
maker-2-augustus-gene-296.6-mRNA-1	NA	NA	Kinase-TM	Os02g0700600	OsR498G0204600900.01.T03	Serine/threonine-protein kinase MHK
maker-2-augustus-gene-326.33-mRNA-1	NA	NA	Kinase-TM	Os06g0676600	OsR498G0613170800.01.T01	Serine/threonine-protein kinase StpK-D
maker-2-augustus-gene-333.46-mRNA-1	NA	NA	Kinase-TM	Os06g0663400	OsR498G0613118900.01.T01	Serine/threonine-protein kinase STY13
maker-2-augustus-gene-344.16-mRNA-1	NA	NA	Kinase-TM	Os06g0654500	OsR498G0613085100.01.T01	Concanavalin A-like lectin/glucanase domain, Serine/threonine-protein kinase, SIK1/2
maker-2-augustus-gene-368.34-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0613057100.01.T01	Trithorax group protein osa-like
maker-2-augustus-gene-35.20-mRNA-1	NA	NA	Kinase-TM	Os02g0165100	OsR498G0203030300.01.T07	Serine/threonine-protein kinase StpK-B
maker-2-augustus-gene-383.0-mRNA-1	NA	Japonica	Kinase-TM	Os02g0811200	OsR498G0204979300.01.T01	Wall-associated receptor kinase 5
maker-2-augustus-gene-385.38-mRNA-1	NA	NA	Kinase-TM	Os02g0815900	OsR498G0205003400.01.T01	Receptor-like serine/threonine-protein kinase ALE2 isoform A
maker-2-augustus-gene-4.19-mRNA-1	NA	NA	Kinase-TM	Os02g0106900	OsR498G0202819600.01.T01	Sensescence-induced receptor-like serine/threonine protein kinase
maker-2-augustus-gene-44.50-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0203114600.01.T01	Physiolokine receptor
maker-2-augustus-gene-73.17-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0203266600.01.T01	Receptor-like protein kinase HSL1
maker-3-augustus-gene-122.0-mRNA-1	NA	NA	Kinase-TM	Os01g0562500	OsR498G0101920190.01.T03	Serine/threonine-protein kinase D6PKL2
maker-3-augustus-gene-122.11-mRNA-1	NA	NA	Kinase-TM	Os01g0563500	OsR498G01019206100.01.T02	Serine/threonine-protein kinase cdc7
maker-3-augustus-gene-123.59-mRNA-1	NA	NA	Kinase-TM	Os01g0564500	OsR498G0101920960.01.T02	Serine/threonine-protein kinase sapk3
maker-3-augustus-gene-157.53-mRNA-1	NA	NA	Kinase-TM	Os03g0339900	OsR498G0305916600.01.T02	Non-specific serine/threonine protein kinase
maker-3-augustus-gene-205.34-mRNA-1	NA	Japonica	Kinase-TM	Os03g0407900	OsR498G0304167000.01.T01	Serine/threonine-protein kinase RPKP
maker-3-augustus-gene-258.11-mRNA-1	NA	Indica	Kinase-TM	Os03g0610900	OsR498G0306549800.01.T02	Serine/threonine-protein kinase SAPK10
maker-3-augustus-gene-301.27-mRNA-1	NA	NA	Kinase-TM	0	0	Serine/threonine-protein kinase edf1
maker-3-augustus-gene-311.6-mRNA-1	NA	NA	Kinase-TM	Os01g0351500	OsR498G01018522700.01.T01	Tyrosine-protein kinase
maker-3-augustus-gene-327.30-mRNA-1	NA	NA	Kinase-TM	Os01g0327000	OsR498G0101844900.01.T02	Receptor-like serine/threonine-protein kinase
maker-3-augustus-gene-351.20-mRNA-1	NA	NA	Kinase-TM	Os03g0266200	OsR498G030649000.01.T01	Proline-rich receptor-like protein kinase PERK3
maker-3-augustus-gene-367.3-mRNA-1	NA	Indica	Kinase-TM	Os03g0610900	OsR498G0306549800.01.T02	Serine/threonine-protein kinase SAPK10
maker-3-augustus-gene-444.40-mRNA-1	NA	Indica	Kinase-TM	Os03g0745700	OsR498G0307037500.01.T01	Serine/threonine-protein kinase sty17
maker-3-augustus-gene-5.25-mRNA-1	NA	NA	Kinase-TM	Os03g0114300	OsR498G0305114700.01.T01	Serine/threonine-protein kinase frak2
maker-3-augustus-gene-81.19-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0305607600.01.T01	Putative receptor-type protein kinase LRRK1
maker-3-augustus-gene-95.56-mRNA-1	NA	NA	Kinase-TM	Os03g0283900	OsR498G0305709600.01.T01	Serine/threonine-protein kinase RLCKVII
maker-4-augustus-gene-202.31-mRNA-1	NA	Indica	Kinase-TM	Os04g0364900	OsR498G0408254600.01.T01	Wall-associated receptor kinase 1
maker-4-augustus-gene-124.35-mRNA-1	NA	NA	Kinase-TM	Os04g0368000	OsR498G0408337400.01.T01	Wall-associated receptor kinase 2
maker-4-augustus-gene-126.0-mRNA-1	NA	NA	Kinase-TM	0	0	Protein kinase domain-containing protein (Fragment)
maker-4-augustus-gene-179.56-mRNA-1	NA	Japonica	Kinase-TM	Os04g0465900	OsR498G0408725800.01.T01	Serine/threonine-protein kinase
maker-4-augustus-gene-190.22-mRNA-1	NA	NA	Kinase-TM	Os04g0480000	OsR498G0408798300.01.T05	Cyclin-dependent kinase G-2
maker-4-augustus-gene-201.39-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0408871500.01.T01	Receptor-like serine/threonine-protein kinase ale2
maker-4-augustus-gene-205.22-mRNA-1	NA	Indica	Kinase-TM	Os04g0364800	OsR498G0408902600.01.T01	Wall-associated receptor kinase 1
maker-4-augustus-gene-217.46-mRNA-1	NA	NA	Kinase-TM	Os04g0540900	OsR498G0408995400.01.T01	Leucine-rich repeat receptor protein kinase EXS
maker-4-augustus-gene-22.52-mRNA-1	NA	Japonica	Kinase-TM	Os04g0201900	OsR498G0407717600.01.T01	Non-specific serine/threonine protein kinase
maker-4-augustus-gene-227.38-mRNA-1	NA	NA	Kinase-TM	Os04g0560600	OsR498G0409068000.01.T01	Calcium-dependent protein kinase
maker-4-augustus-gene-229.42-mRNA-1	NA	NA	Kinase-TM	0	0	Protein kinase domain-containing protein
maker-4-augustus-gene-229.58-mRNA-1	NA	NA	Kinase-TM	Os04g0563900	OsR498G0409078000.01.T01	probable serine/threonine-protein kinase PXL13
maker-4-augustus-gene-250.43-mRNA-1	NA	NA	Kinase-TM	Os04g0402800	OsR498G0409227400.01.T04	Serine/threonine-protein kinase mli/brain-like
maker-4-augustus-gene-255.7-mRNA-1	NA	NA	Kinase-TM	Os04g0608900	OsR498G0409252600.01.T01	Serine/threonine-protein kinase STY13
maker-4-augustus-gene-268.10-mRNA-1	NA	NA	Kinase-TM	Os04g0632300	0	Non-specific serine/threonine protein kinase
maker-4-augustus-gene-268.13-mRNA-1	NA	NA	Kinase-TM	Os04g0632500	OsR498G0409334400.01.T03	Serine/threonine-protein kinase
maker-4-augustus-gene-268.16-mRNA-1	NA	Indica	Kinase-TM	Os04g0632600	OsR498G0409334600.01.T02	Non-specific serine/threonine protein kinase
maker-4-augustus-gene-268.22-mRNA-1	NA	Indica	Kinase-TM	Os04g0632700	OsR498G0409334800.01.T01	Serine/threonine-protein kinase
maker-4-augustus-gene-268.31-mRNA-1	NA	NA	Kinase-TM	Os04g0633300	OsR498G0409336200.01.T01	Non-specific serine/threonine protein kinase
maker-4-augustus-gene-268.36-mRNA-1	NA	NA	Kinase-TM	Os04g0633900	OsR498G0409338200.01.T01	Serine/threonine-protein kinase
maker-4-augustus-gene-268.39-mRNA-1	NA	Japonica	Kinase-TM	Os04g0634000	OsR498G0409338400.01.T01	G-type lectin 5-receptor-like

maker-6-augustus-gene-275.0-mRNA-1	NA	NA	Kinase-TM	Os06g0663400	OsR498G0611318900.01.T01	serine/threonine-protein kinase STY13
maker-6-augustus-gene-282.18-mRNA-1	NA	NA	Kinase-TM	Os06g0676600	OsR498G0611370800.01.T03	Putative leucine-rich repeat receptor-like serine/threonine-protein kinase
maker-6-augustus-gene-358.0-mRNA-1	NA	NA	Kinase-TM	Os06g0734900	OsR498G051533700.01.T01	Serine/threonine-protein kinase sty46
maker-6-augustus-gene-34.7-mRNA-1	NA	NA	Kinase-TM	Os06g0164900	OsR498G0611684100.01.T01	Mitogen-activated protein kinase kinase kinase
maker-6-augustus-gene-35.67-mRNA-1	NA	NA	Kinase-TM	Os06g0168800	OsR498G0611688600.01.T01	Mitogen-activated protein kinase kinase kinase
maker-6-augustus-gene-36.12-mRNA-1	NA	NA	Kinase-TM	Os06g0170250	OsR498G0611702500.01.T01	Putative WAK family receptor-like protein kinase
maker-6-augustus-gene-37.1-mRNA-1	NA	NA	Kinase-TM	Os06g0170250	OsR498G0611702500.01.T01	Putative WAK family receptor-like protein kinase
maker-6-augustus-gene-40.43-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0611724300.01.T05	Serine/threonine-protein kinase
maker-6-augustus-gene-51.47-mRNA-1	NA	Indica	Kinase-TM	Os10g0411900	OsR498G0610146400.01.T01	Putative receptor kinase Lerck
maker-6-augustus-gene-9.3-mRNA-1	NA	NA	Kinase-TM	Os06g0116100	OsR498G0611512100.01.T03	GAMBY-binding protein
maker-6-augustus-gene-98.2-mRNA-1	NA	NA	Kinase-TM	Os06g0283300	OsR498G0612142700.01.T02	probable leucine-rich repeat receptor-like serine/threonine-protein kinase At5g15730 isoform I1
maker-7-augustus-gene-12.54-mRNA-1	NA	NA	Kinase-TM	Os07g0131000	OsR498G07131000.01.T01	L-type lectin domain containing receptor kinase IV.1
maker-7-augustus-gene-15.66-mRNA-1	NA	Japanica	Kinase-TM	Os07g0137800	OsR498G0713481800.01.T01	Proline-rich receptor-like protein kinase PERK4
maker-7-augustus-gene-164.31-mRNA-1	NA	NA	Kinase-TM	NA	NA	Serine/threonine-protein kinase SRK
maker-7-augustus-gene-167.38-mRNA-1	NA	Indica	Kinase-TM	Os07g0472400	OsR498G0714275700.01.T01	probable serine/threonine-protein kinase sky1
maker-7-augustus-gene-17.67-mRNA-1	NA	NA	Kinase-TM	Os06g0241100	OsR498G0713492600.01.T02	G-type lectin 5-receptor-like serine/threonine-protein kinase
maker-7-augustus-gene-189.51-mRNA-1	NA	NA	Kinase-TM	Os07g0507300	OsR498G0714392600.01.T04	germinal center kinase 1 isoform X3
maker-7-augustus-gene-206.0-mRNA-1	NA	Indica	Kinase-TM	Os07g0535800	OsR498G0714500300.01.T06	Putative serine/threonine-specific protein kinase
maker-7-augustus-gene-206.10-mRNA-1	NA	Indica	Kinase-TM	Os07g0628700	OsR498G0714502100.01.T01	Cysteine-rich receptor-like protein kinase 8
maker-7-augustus-gene-208.4-mRNA-1	NA	NA	Kinase-TM	Os07g0537000	OsR498G0714501700.01.T01	Receptor-like serine-threonine protein kinase
maker-7-augustus-gene-206.5-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0714502900.01.T01	G-type lectin 5-receptor-like serine/threonine-protein kinase
maker-7-augustus-gene-207.50-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0714503300.01.T01	Cysteine-rich receptor-like protein kinase 8
maker-7-augustus-gene-207.52-mRNA-1	NA	NA	Kinase-TM	Os07g0537900	OsR498G0714503300.01.T01	Cysteine-rich receptor-like protein kinase 8
maker-7-augustus-gene-207.62-mRNA-1	NA	NA	Kinase-TM	Os07g0537500	OsR498G0714502600.01.T01	Cysteine-rich receptor-like protein kinase 6
maker-7-augustus-gene-207.66-mRNA-1	NA	NA	Kinase-TM	Os07g0538200	OsR498G0714504000.01.T01	Cysteine-rich receptor-like protein kinase 6
maker-7-augustus-gene-208.11-mRNA-1	NA	NA	Kinase-TM	Os07g0537000	OsR498G0714501000.01.T01	Cysteine-rich receptor-like protein kinase 8
maker-7-augustus-gene-208.36-mRNA-1	NA	NA	Kinase-TM	Os07g0541000	OsR498G0714516300.01.T01	Receptor-like serine-threonine protein kinase
maker-7-augustus-gene-209.11-mRNA-1	NA	NA	Kinase-TM	Os07g0540800	OsR498G0714515800.01.T01	Receptor-like serine-threonine protein kinase
maker-7-augustus-gene-209.12-mRNA-1	NA	NA	Kinase-TM	Os07g0541000	OsR498G0714516800.01.T01	Cysteine-rich receptor-like protein kinase 10
maker-7-augustus-gene-209.26-mRNA-1	NA	NA	Kinase-TM	Os07g0541800	OsR498G0714517600.01.T05	Membrane binding protein
maker-7-augustus-gene-209.30-mRNA-1	NA	NA	Kinase-TM	Os07g0541900	OsR498G0714517800.01.T05	Cysteine-rich receptor-like protein kinase 10
maker-7-augustus-gene-210.47-mRNA-1	NA	NA	Kinase-TM	Os07g0542400	OsR498G0714519200.01.T05	Putative Zea mays retrotransposon Ople-2
maker-7-augustus-gene-22.17-mRNA-1	NA	NA	Kinase-TM	Os07g0150700	OsR498G0713521400.01.T01	Non-specific serine/threonine protein kinase
maker-7-augustus-gene-228.2-mRNA-1	NA	NA	Kinase-TM	Os07g0572800	OsR498G0714612300.01.T06	Serine/threonine-protein kinase WNK1
maker-7-augustus-gene-250.8-mRNA-1	NA	NA	Kinase-TM	Os07g0613500	OsR498G0714745300.01.RIPK	Serine/threonine-protein kinase RPK
maker-7-augustus-gene-280.12-mRNA-1	NA	Indica	Kinase-TM	Os03g0349200	OsR498G0714922100.01.T01	probable serine/threonine-protein kinase At1g54610
maker-7-augustus-gene-280.16-mRNA-1	NA	NA	Kinase-TM	0	OsR498G0714923700.01.T02	Receptor-like serine/threonine protein kinase
maker-7-augustus-gene-280.42-mRNA-1	NA	NA	Kinase-TM	Os07g0668900	OsR498G0714925200.01.T01	Serine/threonine-protein kinase PBL27
maker-7-augustus-gene-36.35-mRNA-1	NA	NA	Kinase-TM	Os07g0176600	OsR498G0713618700.01.T01	Serine/threonine-protein kinase Nek2
maker-7-augustus-gene-4.20-mRNA-1	NA	NA	Kinase-TM	Os07g0114400	OsR498G0713403200.01.T01	CK2 protein kinase alpha 4
maker-7-augustus-gene-47.32-mRNA-1	NA	NA	Kinase-TM	Os07g0194100	OsR498G0713681500.01.T01	Non-specific serine/threonine protein kinase
maker-8-augustus-gene-0.31-mRNA-1	NA	Japanica	Kinase-TM	Os08g0124900	OsR498G0815100800.01.T01	Putative receptor-type protein kinase LRK1
maker-8-augustus-gene-114.50-mRNA-1	NA	Indica	Kinase-TM	Os08g0319700	OsR498G0815446200.01.T03	Phytosulfokine receptor
maker-8-augustus-gene-138.24-mRNA-1	NA	NA	Kinase-TM	Os08g0249100	OsR498G0815539600.01.T01	probable receptor-like serine/threonine-protein kinase At5g57670
maker-8-augustus-gene-138.26-mRNA-1	NA	NA	Kinase-TM	Os08g0249100	OsR498G0815539600.01.T01	probable receptor-like serine/threonine-protein kinase At5g57670
maker-8-augustus-gene-158.8-mRNA-1	NA	NA	Kinase-TM	Os08g0343000	OsR498G0815840500.01.T03	Proline-rich receptor-like protein kinase PBL14 isoform X5
maker-8-augustus-gene-181.48-mRNA-1	NA	NA	Kinase-TM	Os08g0365800	OsR498G0815948800.01.T03	Putative WAK family receptor-like protein kinase
maker-8-augustus-gene-190.0-mRNA-1	NA	NA	Kinase-TM	Os08g0374600	OsR498G0815948800.01.T03	tyrosinyl-regulated kinase-like
maker-8-augustus-gene-252.2-mRNA-1	NA	NA	Kinase-TM	Os08g0484600	OsR498G0816337100.01.T01	Serine/threonine-protein kinase OSK4
maker-8-augustus-gene-256.55-mRNA-1	NA	Japanica	Kinase-TM	Os08g0491200	OsR498G0917684300.01.T03	Serine/threonine-protein kinase DAPK1.1
maker-8-augustus-gene-261.3-mRNA-1	NA	Indica	Kinase-TM	Os08g0501700	OsR498G0816405900.01.T01	Wall-associated kinase-like
maker-8-augustus-gene-35.28-mRNA-1	NA	NA	Kinase-TM	Os08g0157000	OsR498G0815225900.01.T01	Mitogen-activated protein kinase
maker-8-augustus-gene-46.39-mRNA-1	NA	Japanica	Kinase-TM	Os08g0176200	OsR498G0815299300.01.T01	LRR receptor kinase SERK2
maker-8-augustus-gene-51.35-mRNA-1	NA	NA	Kinase-TM	Os08g0224100	OsR498G0815462500.01.T01	Serine/threonine-protein kinase STY13
maker-8-augustus-gene-94.36-mRNA-1	NA	NA	Kinase-TM	Os08g0249100	OsR498G0815539600.01.T01	probable receptor-like serine/threonine-protein kinase At5g57670
maker-9-augustus-gene-104.0-mRNA-1	NA	NA	Kinase-TM	NA	NA	Senescence-induced receptor-like serine/threonine-protein kinase
maker-9-augustus-gene-107.12-mRNA-1	NA	Japanica	Kinase-TM	Os09g0349100	OsR498G0917214100.01.T01	Serine/threonine-specific receptor protein kinase-like
maker-9-augustus-gene-110.4-mRNA-1	NA	NA	Kinase-TM	NA	NA	L-type lectin domain containing receptor kinase IX.1
maker-9-augustus-gene-112.7-mRNA-1	NA	NA	Kinase-TM	Os09g0339000	OsR498G0917194500.01.T01	L-type lectin domain containing receptor kinase IX.1
maker-9-augustus-gene-115.2-mRNA-1	NA	NA	Kinase-TM	NA	NA	Serine/threonine-specific receptor protein kinase-like
maker-9-augustus-gene-116.0-mRNA-1	NA	Japanica	Kinase-TM	Os09g0356200	OsR498G0917236300.01.T05	Putative LRR receptor-like serine/threonine-protein kinase
maker-9-augustus-gene-145.39-mRNA-1	NA	NA	Kinase-TM	Os09g0408800	OsR498G0917427900.01.T01	Cysteine-rich receptor-like protein kinase 10
maker-9-augustus-gene-20.40-mRNA-1	NA	NA	Kinase-TM	Os09g0123300	OsR498G0916722500.01.T02	Putative leucine-rich repeat receptor-like protein kinase At4g00330
maker-9-augustus-gene-210.13-mRNA-1	NA	Indica	Kinase-TM	Os09g0654500	OsR498G0917848400.01.T02	Serine/threonine protein kinase
maker-9-augustus-gene-216.0-mRNA-1	NA	NA	Kinase-TM	Os09g0543800	OsR498G0917897100.01.T01	Serine/threonine protein kinase STY46
maker-9-augustus-gene-88.42-mRNA-1	NA	NA	Kinase-TM	Os09g0315600	OsR498G0917897100.01.T01	L-type lectin domain containing receptor kinase IV.2
augustus_masked-9-processed-gene-225.0-mRNA-1	Japanica	NA	Kinase-TM	Os09g0526200	OsR498G0917953300.01.T02	Wall-associated receptor kinase 3
maker-4-augustus-gene-283.19-mRNA-1	Japanica	NA	Kinase-TM	Os04g0660500	OsR498G0409429000.01.T02	MAP3K epsilon protein kinase 1
maker-2-augustus-gene-44.2-mRNA-1	Indica	NA	CC-Kinase	NA	NA	Mitogen-activated protein kinase kinase kinase ANP1
augustus-1-processed-gene-152.17-mRNA-1	Japanica	NA	CC-Kinase	Os10g0367700	OsR498G1010962700.01.T05	probable serine/threonine-protein kinase At1g54610
augustus-5-processed-gene-5.3-mRNA-1	Japanica	NA	CC-Kinase	Os05g1008300	OsR498G0505975990.01.T03	Non-specific serine/threonine protein kinase
maker-2-augustus-gene-308.34-mRNA-1	Japanica	NA	CC-Kinase	NA	NA	Non-specific serine/threonine protein kinase
maker-2-augustus-gene-389.0-mRNA-1	Japanica	NA	CC-Kinase	NA	NA	U-box domain-containing protein 38
maker-3-augustus-gene-423.29-mRNA-1	Japanica	NA	CC-Kinase	NA	NA	Homologous-pairing protein 2 homolog
maker-3-augustus-gene-429.41-mRNA-1	Japanica	NA	CC-Kinase	NA	NA	Putative serine/threonine-protein kinase dyk2
maker-9-augustus-gene-62.59-mRNA-1	Japanica	NA	CC-Kinase	NA	NA	Putative serine/threonine-protein kinase
maker-12-augustus-gene-233.9-mRNA-1	NA	NA	CC-Kinase	Os12g0562500	OsR498G1221845500.01.T01	Putative serine/threonine-protein kinase recoc
maker-2-augustus-gene-9.40-mRNA-1	NA	NA	CC-Kinase	Os02g0118200	OsR498G0202854300.01.T01	probable serine/threonine-protein kinase PIX13
maker-3-augustus-gene-162.14-mRNA-1	NA	Indica	CC-Kinase	Os03g0349200	OsR498G0305945000.01.T02	probable serine/threonine-protein kinase At1g54610
maker-9-augustus-gene-62.50-mRNA-1	NA	NA	CC-Kinase	0	OsR498G0916904200.01.T03	Serine/threonine protein kinase
augustus-1-processed-gene-15.3-mRNA-1	Indica	NA	Kinase	NA	NA	G-type lectin 5-receptor-like serine/threonine-protein kinase
augustus-10-processed-gene-2.3-mRNA-1	Indica	NA	Kinase	Os10g0142600	OsR498G1010091500.01.T01	Receptor-like protein kinase FERONIA
augustus_masked-10-processed-gene-38.31-mRNA-1	Indica	Japanica	Kinase	Os10g0157400	OsR498G1018162400.01.T01	Putative cyclin-dependent kinase F-2
augustus_masked-10-processed-gene-54.31-mRNA-1	Indica	Japanica	Kinase	Os10g0174800	OsR498G1018205000.01.T02	Wall-associated receptor kinase
augustus_masked-6-processed-gene-300.24-mRNA-1	Indica	Indica	Kinase	Os02g0623600	OsR498G0613277600.01.T01	Putative tyrosine-protein kinase, insulin-like receptor
maker-1-augustus-gene-448.23-mRNA-1	Indica	NA	Kinase	NA	NA	Cell division control protein 2
maker-10-augustus-gene-111.62-mRNA-1	Indica	NA	Kinase	NA	NA	Putative serine/threonine-protein kinase NAK
maker-11-augustus-gene-82.3-mRNA-1	Indica	NA	Kinase	NA	NA	Retrosynapson protein, putative, LINE subclass
maker-3-augustus-gene-199.9-mRNA-1	Indica	NA	Kinase	NA	NA	Serine/threonine-protein kinase CTR1
maker-5-augustus-gene-188.30-mRNA-1	Indica	Indica	Kinase	Os10g0936100	OsR498G0510698900.01.T01	Serine/threonine-protein kinase PBL27
maker-6-augustus-gene-301.39-mRNA-1	Indica	NA	Kinase	Os06g0708000	OsR498G0613281300.01.T01	Mitogen-activated protein kinase
maker-6-augustus-gene-304.20-mRNA-1	Indica	NA	Kinase	Os06g0714900	OsR498G0613284000.01.T04	probable serine/threonine-protein kinase PBL19
maker-6-augustus-gene-309.34-mRNA-1	Indica	NA	Kinase	Os06g0727400	OsR498G0613334400.01.T01	probable serine/threonine-protein kinase PIX13
maker-7-augustus-gene-181.8-mRNA-1	Indica	NA	Kinase	NA	NA	Receptor-like serine/threonine protein kinase
augustus-1-processed-gene-73.17-mRNA-1	Japanica	NA	Kinase	Os10g0231500	OsR498G1010081100.01.T06	Casein kinase (Serine/threonine/tyrosine protein kinase)
augustus-2-processed-gene-371.37-mRNA-1	Japanica	NA	Kinase	Os02g0787300	OsR498G0204906600.01.T01	MAP kinase kinase
augustus-3-processed-gene-493.97-mRNA-1	Japanica	NA	Kinase	Os03g0844100	OsR498G0307355200.01.T01	Tyrosine-protein kinase
augustus-7-processed-gene-294.64-mRNA-1	Japanica	NA	Kinase	Os07g0695300	OsR498G0715020300.01.T01	Putative serine/threonine-protein kinase PBL7
augustus_masked-11-processed-gene-2.65-mRNA-1	Japanica	NA	Kinase	Os11g0121800	OsR498G1018161800.01.T01	Serine/threonine-protein kinase At5g01020
augustus_masked-3-processed-gene-281.48-mRNA-1	Japanica	NA	Kinase	Os09g0374600	OsR498G0910181600.01.T01	Putative leucine-rich repeat receptor-like protein kinase
augustus_masked-1-processed-gene-458.51-mRNA-1	Japanica	Indica	Kinase	Os04g0531500	OsR498G040307125400.01.T01	Non-specific serine/threonine protein kinase
augustus_masked-5-processed-gene-304.15-mRNA-1	Japanica	NA	Kinase	Os05g0588300	OsR498G0511432300.01.T01	Receptor-like protein kinase 1-like
maker-1-augustus-gene-186.38-mRNA-1	Japanica	NA	Kinase	NA	NA	MAPKK
maker-1-augustus-gene-236.19-mRNA-1	Japanica	NA	Kinase	Os10g0388500	OsR498G101429400.01.T01	Putative serine/threonine-protein kinase PIX7
maker-1-augustus-gene-246.20-mRNA-1	Japanica	NA	Kinase	Os10g0499500	OsR498G1018161800.01.T01	Putative MAPKKK family protein kinase
maker-1-augustus-gene-301.12-mRNA-1	Japanica	Indica	Kinase	Os05g0593800	OsR498G05101862300.01.T01	Serine/threonine-protein kinase
maker-1-augustus-gene-341.44-mRNA-1	Japanica	NA	Kinase	NA	NA	probable serine/threonine-protein kinase PBL23
maker-1-augustus-gene-488.40-mRNA-1	Japanica	NA	Kinase	Os01g0936100	OsR498G0102657500.01.T01	Serine/threonine-protein kinase PBL27
maker-10-augustus-gene-106.13-mRNA-1	Japanica	NA	Kinase	Os10g0431900	OsR498G1018176800.01.T02	Probable serine/threonine-protein kinase PBL16
maker-10-augustus-gene-169.27-mRNA-1	Japanica	NA	Kinase	Os10g0476300	OsR498G1018891700.01.T01	Casein kinase I isoform epsilon
maker-10-augustus-gene-190.66-mRNA-1	Japanica	NA	Kinase	Os03g0113000	OsR498G0305404800.01.T01	Putative receptor protein kinase
maker-10-augustus-gene-75.0-mRNA-1	Japanica	NA	Kinase	NA	NA	Putative receptor-like protein kinase
maker-11-augustus-gene-187.12-mRNA-1	Japanica	Japanica	Kinase	Os11g0568800	OsR498G1120381200.01.T01	Protein kinase domain-containing protein
maker-11-augustus-gene-2.19-mRNA-1	Japanica	NA	Kinase	Os11g0121400	OsR498G1119338800.01.T01	Serine/threonine-protein kinase NAK
maker-11-augustus-gene-2.20-mRNA-1	Japanica	NA	Kinase	NA	NA	Putative serine/threonine-protein kinase PBL8
maker-11-augustus-gene-236.36-mRNA-1	Japanica	NA	Kinase	NA	NA	Major disease resistance protein Xa4
maker-11-augustus-gene-82.2-mRNA-1	Japanica	NA	Kinase	NA	NA	Retrosynapson protein, putative, LINE subclass
maker-12-augustus-gene-10.62-mRNA-1	Japanica	NA	Kinase	NA	NA	Serine-threonine kinase STX11
maker-12-augustus-gene-114.0-mRNA-1	Japanica	Indica	Kinase	Os05g0511400	OsR498G1221346100.01.T01	Serine/threonine-protein kinase CBK1
maker-12-augustus-gene-185.37-mRNA-1	Japanica	Indica	Kinase	Os12g0480200	OsR498G1221602400.01.T01	Serine/threonine-protein kinase KIPK
maker-12-augustus-gene-259.0-mRNA-1	Japanica	NA	Kinase	Os12g0605900	OsR498G122269500.01.T01	CXC domain-containing T501-like protein 1
maker-12-augustus-gene-5.16-mRNA-1	Japanica	Japanica				

maker-5-augustus-gene-233.10-mRNA-1	Japonica	Indica	Kinase	Os11g0620500	OsR498G0510972100.01.T01	Pollen receptor-like kinase 6
maker-5-augustus-gene-240.19-mRNA-1	Japonica	Indica	Kinase	Os05g0466900	OsR498G0511007800.01.T01	Putative serine/threonine-protein kinase dyrk2
maker-5-augustus-gene-248.28-mRNA-1	Japonica	NA	Kinase	Os05g0511400	OsR498G051165400.01.T04	G-type lectin 5-receptor-like serine/threonine-protein kinase
maker-6-augustus-gene-130.2-mRNA-1	Japonica	NA	Kinase	Os06g0334400	OsR498G0612552700.01.T02	Cyclin-dependent kinase
maker-6-augustus-gene-167.6-mRNA-1	Japonica	Indica	Kinase	Os03g0568800	OsR498G0612359600.01.T01	Proline-rich receptor-like protein kinase PERK8
maker-6-augustus-gene-260.32-mRNA-1	Japonica	NA	Kinase	Os06g0636600	OsR498G0613026300.01.T03	Serine/threonine-protein kinase
maker-6-augustus-gene-291.61-mRNA-1	Japonica	NA	Kinase	Os06g0693900		Cyclin dependent protein kinase
maker-7-augustus-gene-205.7-mRNA-1	Japonica	NA	Kinase		OsR498G0714495300.01.T01	G-type lectin 5-receptor-like serine/threonine-protein kinase
maker-7-augustus-gene-234.9-mRNA-1	Japonica	NA	Kinase	Os07g0584100	OsR498G0714647100.01.T01	probable serine/threonine-protein kinase WNK11
maker-7-augustus-gene-240.62-mRNA-1	Japonica	NA	Kinase	Os07g0596600	OsR498G0714693400.01.T01	Putative serine/threonine-protein kinase
maker-7-augustus-gene-287.22-mRNA-1	Japonica	Indica	Kinase	Os07g0680900	OsR498G0714963900.01.T06	Non-specific serine/threonine-protein kinase
maker-7-augustus-gene-290.51-mRNA-1	Japonica	Indica	Kinase	Os07g0686800	OsR498G0714991100.01.T01	Putative serine/threonine-protein kinase PBL18
maker-7-augustus-gene-40.80-mRNA-1	Japonica	NA	Kinase	Os07g06185000	OsR498G0713644600.01.T01	Putative serine/threonine-protein kinase WNK9 (Fragment)
maker-8-augustus-gene-237.9-mRNA-1	Japonica	NA	Kinase		OsR498G0816229900.01.T01	Cyclin-dependent kinase C-3
maker-8-augustus-gene-237.9-mRNA-1	Japonica	NA	Kinase	Os08g0457400	OsR498G0816238400.01.T01	Serine/threonine-protein kinase RPKP
maker-9-augustus-gene-111.31-mRNA-1	Japonica	Japonica	Kinase	Os09g0341100	OsR498G0917194300.01.T01	L-type lectin-domain containing receptor kinase IX.1
maker-9-augustus-gene-119.5-mRNA-1	Japonica	Indica	Kinase	Os09g0361100	OsR498G0917245900.01.T01	Putative serine/threonine-protein kinase PIX7
maker-9-augustus-gene-180.47-mRNA-1	Japonica	NA	Kinase	Os09g0471200	OsR498G0917660800.01.T02	Wall-associated receptor kinase 3
maker-9-augustus-gene-49.9-mRNA-1	Japonica	NA	Kinase	Os09g0258500	OsR498G0916850600.01.T01	Serine/threonine-protein kinase D6PKL2
augustus-10-processed-gene-29.3-mRNA-1	NA	NA	Kinase	Os10g0142600		Receptor-like protein kinase FERONIA
augustus-12-processed-gene-209.10-mRNA-1	NA	NA	Kinase	0	OsR498G1221718300.01.T01	probable serine/threonine-protein kinase PIX13 isoform X2
augustus-9-processed-gene-126.24-mRNA-1	NA	Japonica	Kinase	Os09g0373800	OsR498G0917660800.01.T02	Putative wall-associated kinase 4
augustus_masked-10-processed-gene-132.3-mRNA-1	NA	NA	Kinase	Os04g0125700	OsR498G0407520900.01.T01	Non-specific serine/threonine-protein kinase
augustus_masked-6-processed-gene-300.24-mRNA-1	NA	Indica	Kinase	Os02g0623600	OsR498G0613277600.01.T01	Putative tyrosine-protein kinase, insulin-like receptor
augustus_masked-6-processed-gene-312.31-mRNA-1	NA	Indica	Kinase	Os02g0623600	OsR498G0613277600.01.T01	Putative tyrosine-protein kinase, insulin-like receptor
augustus_masked-6-processed-gene-35.26-mRNA-1	NA	NA	Kinase	0	OsR498G0101892200.01.T01	C2H2-type domain-containing protein
maker-1-augustus-gene-207.34-mRNA-1	NA	NA	Kinase	Os01g0541900	OsR498G0101225400.01.T04	Kinase family protein / protein phosphatase 3C (PP2C) family protein isoform 1
maker-1-augustus-gene-243.42-mRNA-1	NA	Indica	Kinase	Os01g0601200	OsR498G0101477700.01.T01	Serine/threonine-protein kinase
maker-1-augustus-gene-381.17-mRNA-1	NA	NA	Kinase	0	OsR498G0102391800.01.T03	Serine/threonine-protein kinase Nek5
maker-1-augustus-gene-385.27-mRNA-1	NA	NA	Kinase	Os01g0872800	OsR498G0102422600.01.T01	Non-specific serine/threonine-protein kinase
maker-1-augustus-gene-397.48-mRNA-1	NA	Indica	Kinase	Os08g0512600	OsR498G0613277600.01.T01	Cell division control protein 2
maker-1-augustus-gene-432.6-mRNA-1	NA	NA	Kinase	0	OsR498G0102391800.01.T03	Serine/threonine-protein kinase Nek5
maker-1-augustus-gene-436.78-mRNA-1	NA	NA	Kinase	Os01g0872800	OsR498G0102422600.01.T01	Non-specific serine/threonine-protein kinase
maker-1-augustus-gene-448.23-mRNA-1	NA	NA	Kinase	0	OsR498G0102507600.01.T01	Cell division control protein 2
maker-11-augustus-gene-256.36-mRNA-1	NA	NA	Kinase			Major disease resistance protein Xa4
maker-11-augustus-gene-82.2-mRNA-1	NA	NA	Kinase			Retrotransposon protein, putative, LINE subclass
maker-12-augustus-gene-114.0-mRNA-1	NA	Indica	Kinase	Os05g0511400	OsR498G1221346100.01.T01	Serine/threonine-protein kinase CBK1
maker-12-augustus-gene-258.16-mRNA-1	NA	NA	Kinase	Os12g0604700	OsR498G1222065800.01.T02	Serine/threonine-protein kinase Nek2
maker-12-augustus-gene-282.64-mRNA-1	NA	NA	Kinase	Os04g0559800	OsR498G0409066400.01.T05	Putative MAPKKK family protein kinase isoform 1
maker-2-augustus-gene-12.47-mRNA-1	NA	Indica	Kinase	Os02g0123100	OsR498G0202873300.01.T01	Cell division control protein 2 like A
maker-2-augustus-gene-18.33-mRNA-1	NA	NA	Kinase	Os02g0135200	OsR498G0202916400.01.T05	Mitogen-activated protein kinase
maker-2-augustus-gene-19.16-mRNA-1	NA	NA	Kinase	0	OsR498G0202916600.01.T01	Putative cell cycle regulatory protein kinase Wee1 (Fragment)
maker-2-augustus-gene-238.40-mRNA-1	NA	NA	Kinase	Os02g0402100	OsR498G0204253300.01.T07	Cyclin-dependent kinase G-1
maker-2-augustus-gene-333.40-mRNA-1	NA	NA	Kinase	Os06g0663900	OsR498G0613121100.01.T03	Receptor-like cytosolic serine/threonine-protein kinase RBK1
maker-2-augustus-gene-334.0-mRNA-1	NA	NA	Kinase	Os06g0663200	OsR498G0613117600.01.T02	Putative serine/threonine-protein kinase PBL17
maker-2-augustus-gene-48.69-mRNA-1	NA	NA	Kinase	Os02g0186500	OsR498G0203116200.01.T02	Mitogen-activated protein kinase kinase
maker-3-augustus-gene-199.0-mRNA-1	NA	NA	Kinase	0	OsR498G0306131300.01.T02	Serine/threonine-protein kinase CTR1
maker-4-augustus-gene-144.0-mRNA-1	NA	NA	Kinase	Os04g0437600	OsR498G0408619300.01.T01	Mitogen-activated protein kinase kinase kinase YODA
maker-4-augustus-gene-227.29-mRNA-1	NA	NA	Kinase	Os04g0559800	OsR498G0409066400.01.T05	Putative MAPKKK family protein kinase isoform 1
maker-4-augustus-gene-259.31-mRNA-1	NA	Japonica	Kinase	Os04g0616400	OsR498G0409282400.01.T01	Leucine-rich repeat transmembrane protein kinase
maker-5-augustus-gene-98.24-mRNA-1	NA	NA	Kinase	Os04g0291900	OsR498G0407958200.01.T01	Non-specific serine/threonine-protein kinase
maker-6-augustus-gene-275.10-mRNA-1	NA	NA	Kinase	Os06g0663200	OsR498G0613117600.01.T02	Putative serine/threonine-protein kinase PBL17
maker-6-augustus-gene-276.41-mRNA-1	NA	NA	Kinase	Os06g0663900	OsR498G0613121100.01.T03	Receptor-like cytosolic serine/threonine-protein kinase RBK1
maker-7-augustus-gene-205.7-mRNA-1	NA	NA	Kinase	0	OsR498G0714495300.01.T01	C-type lectin 5-receptor-like serine/threonine-protein kinase
maker-8-augustus-gene-59.0-mRNA-1	NA	NA	Kinase	Os08g0200500	OsR498G0815381500.01.T04	Serine/threonine-protein kinase receptor
maker-8-augustus-gene-69.0-mRNA-1	NA	NA	Kinase	Os08g0200500	OsR498G0815381500.01.T04	Serine/threonine-protein kinase receptor
maker-9-augustus-gene-184.31-mRNA-1	NA	NA	Kinase	Os09g0478500	OsR498G0917684300.01.T03	Serine/threonine-protein kinase D6PKL1
maker-9-augustus-gene-211.19-mRNA-1	NA	NA	Kinase	Os09g0533600	OsR498G0917854200.01.T01	probable serine/threonine-protein kinase PBL19
maker-1-augustus-gene-181.10-mRNA-1	Japonica	NA	NRAMP6	Os01g0503400	OsR498G0101068400.01.T03	Metal transporter
maker-9-augustus-gene-460.78-mRNA-1	Japonica	NA	ONAC066	Os03g0777000	OsR498G0307142500.01.T01	Transcription factor JUNGBRUNNEN 1
maker-11-augustus-gene-18.28-mRNA-1	Japonica	NA	NAC17	Os11g0154500	OsR498G1119437300.01.T01	NAC domain-containing protein 90
maker-2-augustus-gene-142.5-mRNA-1	Japonica	Indica	OsSNAP32	Os02g0437200	OsR498G0203643200.01.T06	SNAPous protein SNAP33
augustus_masked-3-processed-gene-439.14-mRNA-1	Japonica	Indica	OsVSP121	Os03g0787000	OsR498G0307007300.01.T01	Syntaxin-related protein KNOLLE
maker-1-augustus-gene-487.26-mRNA-1	Japonica	NA	PIR7A	Os01g0934900	OsR498G0102650800.01.T03	AB hydrolase-1 domain-containing protein (Fragment)
maker-1-augustus-gene-487.25-mRNA-1	Japonica	NA	PIR7B	Os01g0934800	OsR498G0102650800.01.T01	AB hydrolase-1 domain-containing protein
maker-3-augustus-gene-17.61-mRNA-1	Japonica	Japonica	RAI1	Os03g0135700	OsR498G0305187800.01.T01	BHLH transcription factor
maker-10-augustus-gene-175.19-mRNA-1	Japonica	NA	TPR1	Os10g0486900	OsR498G1018945500.01.T01	Tetratricopeptide repeat protein 1
maker-4-augustus-gene-235.33-mRNA-1	Japonica	NA	CCSD	Os04g0573200	OsR498G0409117900.01.T03	Putative superoxide dismutase, copper/zinc binding domain, heavy metal-associated domain, HMA
augustus-2-processed-gene-15.68-mRNA-1	NA	NA	CC-TM	Os02g0129800		Response to low sulfur 3
maker-3-augustus-gene-162.5-mRNA-1	Japonica	NA	CSO1	Os03g0315500	OsR498G0305951300.01.T01	Superoxide dismutase
maker-6-augustus-gene-304.4-mRNA-1	Indica	NA	TM	Os06g0714500	OsR498G0613301300.01.T01	ATPase family AAA domain-containing protein 1-A
maker-3-augustus-gene-457.9-mRNA-1	Japonica	NA	TM	Os03g0769600	OsR498G0307113800.01.T02	C-type cytochrome synthesis protein1
maker-9-augustus-gene-201.47-mRNA-1	Japonica	NA	TM	Os09g0515500	OsR498G0917797500.01.T01	Tr-type G domain-containing protein (Fragment)
maker-7-augustus-gene-224.48-mRNA-1	Japonica	Indica	TIR	Os07g0566800	OsR498G0714593200.01.T01	TIR domain-containing protein (Fragment)
maker-3-augustus-gene-263.0-mRNA-1	NA	NA	TIR	Os03g0626400	OsR498G0306573300.01.T02	B3 domain-containing protein (Fragment)
maker-3-augustus-gene-272.3-mRNA-1	NA	NA	TIR	Os03g0626400	OsR498G0306573300.01.T02	B3 domain-containing protein (Fragment)
maker-5-augustus-gene-177.84-mRNA-1	Japonica	NA	TIR	Os05g0358500	OsR498G0510639400.01.T04	PPM-type phosphatase domain-containing protein
augustus_masked-1-processed-gene-327.6-mRNA-1	Japonica	NA	TIR-TM	Os01g0760400	OsR498G0102039800.01.T01	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase