

**Supplementary Table 2.** List of genes with DMRs intersecting their ORF, identified via the (

Gene ID		UniProtKB	Mapped IDs
ARATH	TAIR=locus=2046901	UniProtKB=Q43295	AT2G14750
ARATH	TAIR=locus=2029426	UniProtKB=Q5BPU6	AT1G77960
ARATH	TAIR=locus=2167245	UniProtKB=F4KGY0	AT5G17250
ARATH	TAIR=locus=2179290	UniProtKB=P58050	AT5G25140
ARATH	Gene_OrderedLocusName=At1g67520	UniProtKB=O64793	AT1G67520
ARATH	TAIR=locus=2103065	UniProtKB=Q8H1N6	AT3G04210
ARATH	TAIR=locus=2137045	UniProtKB=Q9T053	AT4G11850
ARATH	TAIR=locus=2008778	UniProtKB=F4HTM3	AT1G67490
ARATH	Gene_OrderedLocusName=At2g47020	UniProtKB=A0A1P8AYS2	AT2G47020
ARATH	TAIR=locus=2137134	UniProtKB=Q9XEC6	AT4G04490
ARATH	TAIR=locus=2119545	UniProtKB=Q9SVM4	AT4G13890
ARATH	TAIR=locus=2164870	UniProtKB=Q93Z27	AT5G39670
ARATH	TAIR=locus=2051129	UniProtKB=O22788	AT2G33380
ARATH	EnsemblGenome=AT4G16550	UniProtKB=F4JMH8	AT4G16550
ARATH	TAIR=locus=2170578	UniProtKB=O80396	AT5G40440
ARATH	TAIR=locus=2203891	UniProtKB=Q9SXE1	AT1G62560
ARATH	TAIR=locus=2096915	UniProtKB=P38418	AT3G45140
ARATH	TAIR=locus=2197649	UniProtKB=O64784	AT1G61360
ARATH	TAIR=locus=2155513	UniProtKB=Q9FHA1	AT5G67120
ARATH	TAIR=locus=2122729	UniProtKB=F4JLL3	AT4G10210
ARATH	TAIR=locus=2098725	UniProtKB=Q9SCS7	AT3G50470
ARATH	TAIR=locus=2027554	UniProtKB=Q9FXB9	AT1G56690
ARATH	EnsemblGenome=AT2G41080	UniProtKB=Q8S9M4	AT2G41080
ARATH	TAIR=locus=2054830	UniProtKB=F4IK98	AT2G07240
ARATH	TAIR=locus=2045213	UniProtKB=Q8VZE7	AT2G31890
ARATH	TAIR=locus=2011339	UniProtKB=Q9LP24	AT1G35710
ARATH	TAIR=locus=504956169	UniProtKB=F4I389	AT1G36675
ARATH	TAIR=locus=2206490	UniProtKB=F4I839	AT1G57590
ARATH	EnsemblGenome=AT5G65610	UniProtKB=F4K110	AT5G65610
ARATH	TAIR=locus=2100972	UniProtKB=F4JD27	AT3G61030
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ARATH	TAIR=locus=2054016	UniProtKB=Q9ZV49	AT2G18690
ARATH	EnsemblGenome=AT5G59660	UniProtKB=A0A1P8BEN9	AT5G59660
ARATH	TAIR=locus=2116757	UniProtKB=Q9SZ58	AT4G31910
ARATH	TAIR=locus=2098715	UniProtKB=Q9SCS8	AT3G50460
ARATH	TAIR=locus=2175304	UniProtKB=Q9FF79	AT5G04950
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ARATH	TAIR=locus=2040446	UniProtKB=Q1PF74	AT2G13770
ARATH	TAIR=locus=2123909	UniProtKB=Q9S7U9	AT4G29810
ARATH	TAIR=locus=2144148	UniProtKB=F4K3X4	AT5G06630
ARATH	TAIR=locus=2077001	UniProtKB=Q9LJ86	AT3G22600
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ARATH	TAIR=locus=2203911	UniProtKB=Q9SXD9	AT1G62580
ARATH	TAIR=locus=2124874	UniProtKB=Q9C5T4	AT4G31800
ARATH	TAIR=locus=2130145	UniProtKB=B3LF83	AT4G15440
ARATH	TAIR=locus=2088712	UniProtKB=Q8GZ28	AT3G23510
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ARATH	TAIR=locus=2056799	UniProtKB=Q9SI52	AT2G03890
ARATH	TAIR=locus=2015716	UniProtKB=Q94BQ9	AT1G30890
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ARATH	TAIR=locus=2146834	UniProtKB=Q8GWS3	AT5G26690
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ARATH	TAIR=locus=2056181	UniProtKB=Q3E6P4	AT2G02240
ARATH	TAIR=locus=504955417	UniProtKB=Q7PC82	AT4G15233
ARATH	TAIR=locus=4010713767	UniProtKB=Q9LIE8	AT3G22142
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ARATH	TAIR=locus=2032308	UniProtKB=Q9FVV8	AT1G71320
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ARATH	TAIR=locus=2030185	UniProtKB=Q9CAH1	AT1G72540
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ARATH	TAIR=locus=2143305	UniProtKB=F4K5Q9	AT5G27890
ARATH	TAIR=locus=2049756	UniProtKB=Q9ZUU3	AT2G37230
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ARATH	TAIR=locus=2146243	UniProtKB=F4JWL8	AT5G18360
ARATH	TAIR=locus=1009023191	UniProtKB=Q2V492	AT2G07669
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ARATH	TAIR=locus=1006230186	UniProtKB=Q5XVC1	AT3G05725
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ARATH	TAIR=locus=2197744	UniProtKB=O64778	AT1G61420
ARATH	Gene_OrderedLocusName=At2g07680	UniProtKB=Q9SKX0	AT2G07680
ARATH	TAIR=locus=2098607	UniProtKB=F4J924	AT3G31910
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ARATH	TAIR=locus=2037169	UniProtKB=Q9LP07	AT1G43950
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ARATH	TAIR=locus=2124019	UniProtKB=O23144	AT4G27500
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ARATH	TAIR=locus=2123086	UniProtKB=Q9M3G8	AT4G11430
ARATH	TAIR=locus=2183780	UniProtKB=Q9LEU3	AT5G10970
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ARATH	TAIR=locus=2040174	UniProtKB=Q7Y222	AT2G25160
ARATH	TAIR=locus=4010713519	UniProtKB=Q1G3E7	AT1G36622
ARATH	TAIR=locus=2087363	UniProtKB=Q9LY77	AT3G63380
ARATH	TAIR=locus=2013820	UniProtKB=Q39263	AT1G66140

Gene Ontology database.

**Gene name; Gene symbol**

Adenylyl-sulfate kinase 1, chloroplastic;APK1;ortholog  
 Repressor ROX1-like protein;At1g77960;ortholog  
 Alkaline-phosphatase-like family protein;MKP11.10;ortholog  
 Cytochrome P450 71B13;CYP71B13;ortholog  
 G-type lectin S-receptor-like serine/threonine-protein kinase At1g67520;At1g67520;ortholog  
 At3g04210/T6K12\_17;At3g04210;ortholog  
 Phospholipase D gamma 1;PLDGAMMA1;ortholog  
 Mannosyl-oligosaccharide glucosidase GCS1;GCS1;ortholog  
 Peptide chain release factor 1;At2g47020;ortholog  
 Cysteine-rich receptor-like protein kinase 36;CRK36;ortholog  
 Serine hydroxymethyltransferase 5;SHM5;ortholog  
 Probable calcium-binding protein CML46;CML46;ortholog  
 Probable peroxygenase 3;PXG3;ortholog  
 HSP20-like chaperone;At4g16550;ortholog  
 Mitogen-activated protein kinase kinase 3;MKK3;ortholog  
 Flavin-containing monooxygenase FMO GS-OX3;FMOGS-OX3;ortholog  
 Lipoxygenase 2, chloroplastic;LOX2;ortholog  
 G-type lectin S-receptor-like serine/threonine-protein kinase At1g61360;At1g61360;ortholog  
 RING/U-box superfamily protein;At5g67120;ortholog  
 Transmembrane protein, putative (DUF239);At4g10210;ortholog  
 RPW8-like protein 3;HR3;ortholog  
 Pentatricopeptide repeat-containing protein At1g56690, mitochondrial;PCMP-H69;ortholog  
 Pentatricopeptide repeat-containing protein At2g41080;PCMP-H29;ortholog  
 Cysteine-type peptidase;At2g07240;ortholog  
 RAP domain-containing protein, chloroplastic;RAP;ortholog  
 Probable leucine-rich repeat receptor-like protein kinase At1g35710;At1g35710;ortholog  
 Glycine-rich protein;At1g36675;ortholog  
 Pectin acetylesterase 2;PAE2;ortholog  
 Uncharacterized protein;At5g65610;ortholog  
 Calcium-dependent lipid-binding (CaLB domain) family protein;At3g61030;ortholog  
 HXXXD-type acyl-transferase family protein;At3g29690;ortholog  
 Expressed protein;MSF3.7;ortholog  
 Leucine-rich repeat protein kinase family protein;MTH12.10;ortholog  
 Brassinosteroid-related acyltransferase 1;BAT1;ortholog  
 RPW8-like protein 2;HR2;ortholog  
 Nicotianamine synthase 1;NAS1;ortholog  
 Granule-bound starch synthase 1, chloroplastic/amyloplastic;GBSS1;ortholog  
 BTB/POZ domain-containing protein At5g48130;At5g48130;ortholog  
 Plant self-incompatibility protein S1 family;At2g24880;ortholog  
 Cytochrome P450;CYP72A7;ortholog  
 Receptor-like protein 7;RLP7;ortholog  
 Ureide permease 2;UPS2;ortholog  
 B-block binding subunit of TFIIC;At1g17450;ortholog  
 Nuclease;At2g13770;ortholog  
 Mitogen-activated protein kinase kinase 2;MKK2;ortholog  
 Proline-rich extensin-like family protein;At5g06630;ortholog  
 AT3g22600/F16J14\_17;LTPG5;ortholog  
 Polyketide cyclase/dehydrase and lipid transport superfamily protein;At1g02470;ortholog

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Uncharacterized protein At1g76660;At1g76660;ortholog  
Multiple organellar RNA editing factor 7, mitochondrial;MORF7;ortholog  
Uncharacterized protein;At3g15518;ortholog  
Synaptobrevin family protein;At3g25013;ortholog  
Flavin-containing monooxygenase FMO GS-OX-like 7;At1g62580;ortholog  
WRKY transcription factor 18;WRKY18;ortholog  
Probable inactive linolenate hydroperoxide lyase;CYP74B2;ortholog  
Cyclopropane-fatty-acyl-phospholipid synthase;At3g23500;ortholog  
Probable WRKY transcription factor 26;WRKY26;ortholog  
Tryptophan aminotransferase-related protein 4;TAR4;ortholog  
Photosystem I chlorophyll a/b-binding protein 2, chloroplastic;LHCA2;ortholog  
At2g29590;At2g29590;ortholog  
Phosphatidylinositol 4-kinase gamma 7;PI4KG7;ortholog  
Integral membrane HRF1 family protein;At1g30890;ortholog  
NB-ARC domain-containing disease resistance protein;At4g09360;ortholog  
Heavy metal-associated isoprenylated plant protein 2;HIPPO2;ortholog  
Ankyrin repeat family protein;MIK22.12;ortholog  
F-box protein At2g02240;At2g02240;ortholog  
ABC transporter G family member 42;ABCG42;ortholog  
Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein;At3g22142;ortholog  
Wall-associated receptor kinase 3;WAK3;ortholog  
Putative F-box protein At1g71320;At1g71320;ortholog  
Plant self-incompatibility protein S1 family;At2g24870;ortholog  
Putative receptor-like protein kinase At1g72540;At1g72540;ortholog  
Putative membrane lipoprotein;At3g18250;ortholog  
Farnesoic acid carboxyl-O-methyltransferase;FAMT;ortholog  
Uncharacterized protein;At5g27890;ortholog  
Pentatricopeptide repeat-containing protein At2g37230;At2g37230;ortholog  
Myotubularin-like protein;At1g36940;ortholog  
Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein;MTE17.16;ortholog  
AT1G67850 protein;AT1G67850.1;ortholog  
Mitogen-activated protein kinase kinase kinase 3;MEKK3;ortholog  
Cytochrome B/B6 protein;At2g07773;ortholog  
Hapless 8;HAP8;ortholog  
RING/U-box superfamily protein;MFH8.3;ortholog  
DEAD-box ATP-dependent RNA helicase 46;RH46;ortholog  
Protein transport protein SEC16B homolog;SEC16B;ortholog  
Regulator of Vps4 activity in the MVB pathway protein;At1g13340;ortholog  
Epithiospecifier protein;ESP;ortholog  
Uncharacterized protein;At5g35732;ortholog  
Disease resistance protein (TIR-NBS-LRR class) family;At5g18360;ortholog  
Uncharacterized protein;At2g07669;ortholog  
Cytokinin dehydrogenase 1;CKX1;ortholog  
RNA-binding (RRM/RBD/RNP motifs) family protein;At1g17640;ortholog  
WAT1-related protein At4g15540;At4g15540;ortholog  
Uncharacterized protein;At3g05725;ortholog  
Peptide methionine sulfoxide reductase B6;MSRB6;ortholog  
G-type lectin S-receptor-like serine/threonine-protein kinase At1g61420;At1g61420;ortholog  
ABC transporter C family member 13;ABCC13;ortholog  
Ulp1 protease family protein (DUF1985);At3g31910;ortholog  
Uncharacterized protein;At1g13470;ortholog

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Farnesol kinase, chloroplastic;FOLK;ortholog  
Amino acid permease 5;AAP5;ortholog  
Probable WRKY transcription factor 50;WRKY50;ortholog  
Putative F-box protein At3g17400;At3g17400;ortholog  
Beta-galactosidase related protein;At1g37000;ortholog  
Homeobox-leucine zipper protein HDG9;HDG9;ortholog  
Uncharacterized protein;At2g10975;ortholog  
Expressed protein;At2g15340;ortholog  
Transmembrane protein;At1g34315;ortholog  
Scarecrow-like protein 31;SCL31;ortholog  
Putative auxin response factor 23;ARF23;ortholog  
Auxin-responsive protein SAUR63;SAUR63;ortholog  
Protein with RNI-like/FBD-like domain;At5g35926;ortholog  
Ferredoxin-3, chloroplastic;FD3;ortholog  
Phospholipase D gamma 3;PLDGAMMA3;ortholog  
Uncharacterized protein At1g77270;At1g77270;ortholog  
Heat stress transcription factor A-4a;HSFA4A;ortholog  
Elongator complex protein 1;ELP1;ortholog  
Protein-tyrosine phosphatase;At3g44620;ortholog  
Replication factor C subunit 1;RFC1;ortholog  
Uncharacterized protein;At5g23490;ortholog  
Methylsterol monooxygenase 2-1;SMO2-1;ortholog  
Proton pump-interactor 1;PPI1;ortholog  
Disease resistance like protein;At4g13820;ortholog  
Zinc ion binding protein;At2g07505;ortholog  
Germin-like protein subfamily 1 member 14;At5g39110;ortholog  
Hydroxyproline-rich glycoprotein family protein;At4g11430;ortholog  
C2H2 and C2HC zinc fingers superfamily protein;At5g10970;ortholog  
Putative transcription elongation factor SPT5 homolog 1;At4g08350;ortholog  
At2g25160;CYP82F1;ortholog  
Transmembrane protein;At1g36622;ortholog  
Calcium-transporting ATPase 12, plasma membrane-type;ACA12;ortholog  
Zinc finger protein 4;ZFP4;ortholog

**PANTHER Family/Subfamily**

ADENYLYL-SULFATE KINASE 1, CHLOROPLASTIC (PTHR11055:SF55)

GPI ETHANOLAMINE PHOSPHATE TRANSFERASE 3 (PTHR23071:SF1)  
CYTOCHROME P450 71B13-RELATED (PTHR47956:SF92)  
G-TYPE LECTIN S-RECEPTOR-LIKE SERINE/THREONINE-PROTEIN KINASE CES101 (PTHR27002:SF787)  
DISEASE RESISTANCE PROTEIN (TIR-NBS-LRR CLASS) FAMILY (PTHR11017:SF297)  
PHOSPHOLIPASE D GAMMA 1-RELATED (PTHR18896:SF152)  
MANNOSYL-OLIGOSACCHARIDE GLUCOSIDASE (PTHR10412:SF11)  
LD18447P (PTHR43804:SF7)  
CYSTEINE-RICH RECEPTOR-LIKE PROTEIN KINASE 36 (PTHR27002:SF389)  
SERINE HYDROXYMETHYLTRANSFERASE, CYTOSOLIC (PTHR11680:SF35)  
CALCIUM-BINDING PROTEIN CML46-RELATED (PTHR10891:SF745)  
PEROXYGENASE 3-RELATED (PTHR31495:SF0)  
57 KDA HEAT SHOCK PROTEIN-RELATED (PTHR46991:SF6)  
DUAL SPECIFICITY MITOGEN-ACTIVATED PROTEIN KINASE KINASE 5 (PTHR48013:SF9)  
FLAVIN-CONTAINING MONOOXYGENASE FMO GS-OX1-RELATED (PTHR23023:SF244)  
LIPOXYGENASE 2, CHLOROPLASTIC (PTHR11771:SF168)  
SUBFAMILY NOT NAMED (PTHR27002:SF411)  
RING/U-BOX SUPERFAMILY PROTEIN (PTHR22937:SF142)  
PROTEIN, PUTATIVE (DUF239)-RELATED (PTHR31589:SF123)  
RPW8-LIKE PROTEIN 1-RELATED (PTHR36766:SF5)  
OS03G0317100 PROTEIN (PTHR24015:SF1924)  
OS03G0816600 PROTEIN (PTHR24015:SF1956)

GH07286P-RELATED (PTHR21228:SF40)  
OS02G0553000 PROTEIN (PTHR48053:SF22)

PECTIN ACETYLESTERASE 2 (PTHR21562:SF75)

C2 CALCIUM/LIPID-BINDING ENDONUCLEASE/EXONUCLEASE/PHOSPHATASE-RELATED (PTHR10774:SF1)  
AGMATINE COUMAROYLTRANSFERASE-RELATED (PTHR31625:SF36)  
EXPRESSED PROTEIN-RELATED (PTHR33133:SF26)  
LRR RECEPTOR-LIKE SERINE/THREONINE-PROTEIN KINASE PAM74-RELATED (PTHR45631:SF57)  
BRASSINOSTEROID-RELATED ACYLTRANSFERASE 1 (PTHR31642:SF145)  
RPW8-LIKE PROTEIN 1-RELATED (PTHR36766:SF5)  
NICOTIANAMINE SYNTHASE 1 (PTHR32266:SF14)  
GRANULE-BOUND STARCH SYNTHASE 1, CHLOROPLASTIC/AMYLOPLASTIC (PTHR45825:SF3)  
OS07G0584200 PROTEIN (PTHR32370:SF13)  
PLANT SELF-INCOMPATIBILITY PROTEIN S1 FAMILY-RELATED (PTHR31232:SF54)  
CYTOCHROME P450 (PTHR24282:SF113)  
RECEPTOR-LIKE PROTEIN 6-RELATED (PTHR27004:SF173)  
UREIDE PERMEASE 1-RELATED (PTHR31081:SF5)  
GENERAL TRANSCRIPTION FACTOR 3C POLYPEPTIDE 1 (PTHR15180:SF1)

DUAL SPECIFICITY MITOGEN-ACTIVATED PROTEIN KINASE KINASE 1 (PTHR24361:SF785)  
EXTENSIN-2-RELATED (PTHR36586:SF16)  
BIFUNCTIONAL INHIBITOR/LIPID-TRANSFER PROTEIN/SEED STORAGE 2S ALBUMIN SUPERFAMILY PROTEIN  
POLYKETIDE CYCLASE/DEHYDRASE AND LIPID TRANSPORT SUPERFAMILY PROTEIN (PTHR33824:SF4)

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OS01G0103800 PROTEIN (PTHR31798:SF3)  
MULTIPLE ORGANELLAR RNA EDITING FACTOR 7, MITOCHONDRIAL (PTHR31346:SF12)

FLAVIN-CONTAINING MONOOXYGENASE FMO GS-OX-LIKE 2-RELATED (PTHR23023:SF250)  
WRKY FAMILY TRANSCRIPTION FACTOR-RELATED (PTHR31429:SF76)  
INACTIVE LINOLENATE HYDROPEROXIDE LYASE-RELATED (PTHR24286:SF49)  
CYCLOPROPANE-FATTY-ACYL-PHOSPHOLIPID SYNTHASE (PTHR43675:SF8)  
WRKY TRANSCRIPTION FACTOR PROTEIN 1-RELATED (PTHR31221:SF1)  
TRYPTOPHAN AMINOTRANSFERASE-RELATED PROTEIN 4 (PTHR43795:SF88)  
CHLOROPHYLL A-B BINDING PROTEIN, CHLOROPLASTIC-RELATED (PTHR21649:SF80)  
OS02G0521700 PROTEIN (PTHR21660:SF8)  
PHOSPHATIDYLINOSITOL 4-KINASE GAMMA 7 (PTHR45800:SF11)  
INTEGRAL MEMBRANE HRF1 FAMILY PROTEIN (PTHR14083:SF11)  
NB-ARC DOMAIN-CONTAINING DISEASE RESISTANCE PROTEIN (PTHR11017:SF341)  
HEAVY METAL-ASSOCIATED ISOPRENYLATED PLANT PROTEIN 2-RELATED (PTHR45811:SF33)  
ANKYRIN REPEAT FAMILY PROTEIN (PTHR24177:SF286)  
F-BOX PROTEIN PP2-B5-RELATED (PTHR32278:SF57)  
ABC TRANSPORTER G FAMILY MEMBER 42-RELATED (PTHR19241:SF567)  
BIFUNCTIONAL INHIBITOR/LIPID-TRANSFER PROTEIN/SEED STORAGE 2S ALBUMIN SUPERFAMILY PROTEIN F16F4.7 PROTEIN-RELATED (PTHR27005:SF304)  
F-BOX ASSOCIATED UBIQUITINATION EFFECTOR FAMILY PROTEIN-RELATED (PTHR31945:SF80)

BNA02G16030D PROTEIN (PTHR45621:SF88)  
MEMBRANE LIPOPROTEIN-RELATED (PTHR37199:SF2)  
ATPP-LIKE PROTEIN-RELATED (PTHR31009:SF58)  
MEIOSIS-SPECIFIC PROTEIN ASY2-RELATED (PTHR31099:SF18)  
PENTATRICOPEPTIDE (PPR) REPEAT PROTEIN (PTHR47932:SF41)  
MYOTUBULARIN-LIKE PROTEIN (PTHR36323:SF1)  
BIFUNCTIONAL INHIBITOR/LIPID-TRANSFER PROTEIN/SEED STORAGE 2S ALBUMIN SUPERFAMILY PROTEIN F16F4.7 PROTEIN-RELATED (PTHR27005:SF304)  
LYSINE KETOGLUTARATE REDUCTASE TRANS-SPLICING PROTEIN (PTHR31210:SF68)  
MEKK1, ISOFORM B (PTHR48016:SF29)  
CYTOCHROME B/B6 PROTEIN-RELATED (PTHR30071:SF1)  
HAPLESS 8 (PTHR35767:SF9)  
RING/U-BOX SUPERFAMILY PROTEIN (PTHR46279:SF10)  
DEAD-BOX ATP-DEPENDENT RNA HELICASE 46 (PTHR47958:SF52)  
SECRETORY 16, ISOFORM I (PTHR13402:SF6)  
REGULATOR OF VPS4 ACTIVITY IN THE MVB PATHWAY PROTEIN (PTHR12161:SF16)  
EPITHIOSPECIFIER PROTEIN (PTHR47435:SF2)

DISEASE RESISTANCE PROTEIN (TIR-NBS-LRR CLASS) FAMILY (PTHR11017:SF275)

CYTOKININ DEHYDROGENASE 1 (PTHR13878:SF114)  
RNA-BINDING (RRM/RBD/RNP MOTIFS) FAMILY PROTEIN (PTHR24012:SF808)  
WAT1-RELATED PROTEIN (PTHR31218:SF304)  
BNAANNG02720D PROTEIN (PTHR33193:SF33)  
PEPTIDE METHIONINE SULFOXIDE REDUCTASE B6-RELATED (PTHR46081:SF3)  
SUBFAMILY NOT NAMED (PTHR27002:SF506)  
MULTIDRUG RESISTANCE-ASSOCIATED PROTEIN 7 (PTHR24223:SF330)

BNAC08G40310D PROTEIN (PTHR31050:SF6)



pantherGeneList

FARNESOL KINASE, CHLOROPLASTIC (PTHR32523:SF7)  
AMINO ACID PERMEASE 5 (PTHR48017:SF141)  
WRKY TRANSCRIPTION FACTOR 50-RELATED (PTHR31221:SF219)  
F-BOX ASSOCIATED UBIQUITINATION EFFECTOR FAMILY PROTEIN (PTHR47993:SF37)

HOMEBOX-LEUCINE ZIPPER PROTEIN HDG10-RELATED (PTHR45654:SF9)

SCARECROW-LIKE PROTEIN 31 (PTHR31636:SF279)  
AUXIN RESPONSE FACTOR 12-RELATED (PTHR31384:SF120)  
AUXIN-RESPONSIVE PROTEIN SAUR62-RELATED (PTHR31175:SF50)  
F-BOX/RNI SUPERFAMILY PROTEIN-RELATED (PTHR31639:SF29)  
FERREDOXIN-3, CHLOROPLASTIC (PTHR43112:SF30)  
PHOSPHOLIPASE D GAMMA 1-RELATED (PTHR18896:SF152)  
BNAA02G18490D PROTEIN (PTHR34194:SF18)  
E2F/DP FAMILY WINGED-HELIX DNA-BINDING DOMAIN-CONTAINING PROTEIN-RELATED (PTHR10015:SF3)  
ELONGATOR COMPLEX PROTEIN 1 (PTHR12747:SF0)  
LOW MOLECULAR WEIGHT PHOSPHOTYROSINE PROTEIN PHOSPHATASE-RELATED (PTHR47439:SF1)  
REPLICATION FACTOR C SUBUNIT 1 (PTHR23389:SF6)  
OS05G0100900 PROTEIN (PTHR31149:SF10)  
METHYLSTEROL MONOOXYGENASE 2-1 (PTHR11863:SF144)  
PROTON PUMP-INTERACTOR 1 (PTHR32219:SF2)

GERMIN-LIKE PROTEIN SUBFAMILY 1 MEMBER 13-RELATED (PTHR31238:SF188)

C2H2 AND C2HC ZINC FINGERS SUPERFAMILY PROTEIN (PTHR47287:SF9)  
KOW DOMAIN-CONTAINING PROTEIN-RELATED (PTHR11125:SF13)  
CYTOCHROME P450 CYP82D47-LIKE (PTHR47947:SF29)

CALCIUM-TRANSPORTING ATPASE 12, PLASMA MEMBRANE-TYPE (PTHR24093:SF455)  
ZINC FINGER PROTEIN 3-RELATED (PTHR45730:SF71)





