

附表 1 引物序列

Supplementary table 1 Primer sequence

引物名称 Primer name	序列 Sequence(5'-3')
SAP3-F	TTGCCATCATCTCAAACCTT
SAP3-R	CAGAGCGGTAATCAAACAG
EF- α -F	CCCCTTCGTCTTCCACTT
EF- α -R	CCTTACCTGAACGCCTGTC

附表 2 测序分析后获得的 29 个阳性克隆

Supplementary table 2 The 29 positive clones obtained after sequencing analysis

编号	注释结果
BD-SAP3-1_T7.seq	PREDICTED: Solanum tuberosum ubiquitin-60S ribosomal protein L40 (LOC102589413), mRNA
BD-SAP3-2_T7.seq	PREDICTED: Solanum tuberosum ubiquitin-60S ribosomal protein L40 (LOC102600598), mRNA
BD-SAP3-3_T7.seq	PREDICTED: Solanum tuberosum polyubiquitin (LOC102599865), mRNA
BD-SAP3-9_T7.seq	PREDICTED: Solanum tuberosum outer envelope pore protein 24A, chloroplastic-like (LOC102595398), mRNA
BD-SAP3-14_T7.seq	PREDICTED: Solanum tuberosum pollen-specific leucine-rich repeat extensin-like protein 2 (LOC102587296), mRNA
BD-SAP3-21_T7.seq	PREDICTED: Solanum tuberosum polyubiquitin-like (LOC102586619), mRNA
BD-SAP3-26_T7.seq	PREDICTED: Solanum tuberosum uncharacterized protein (LOC102589576), mRNA
BD-SAP3-27_T7.seq	Solanum tuberosum catechol oxidase B, chloroplastic-like (PPO), mRNA; nuclear gene for chloroplast product
BD-SAP3-28_T7.seq	PREDICTED: Solanum tuberosum COP9 signalosome complex subunit 6a-like (LOC102584188), mRNA
BD-SAP3-30_T7.seq	S.tuberosum mRNA for aconitase/aconitate hydratase
BD-SAP3-35_T7.seq	Solanum tuberosum clone 083G05 fruit-ripening protein-like mRNA, complete cds
BD-SAP3-36_T7.seq	Solanum tuberosum glyceraldehyde 3-phosphate dehydrogenase mRNA, complete cds
BD-SAP3-43_T7.seq	PREDICTED: Solanum tuberosum heat shock cognate 70 kDa protein 2-like (LOC102580808), mRNA
BD-SAP3-45_T7.seq	Solanum tuberosum mRNA for extensin, partial cds

BD-SAP3-47_T7.seq	PREDICTED: Solanum tuberosum protein C2-DOMAIN ABA-RELATED 2-like (LOC102598270), transcript variant X1, mRNA
BD-SAP3-54_T7.seq	PREDICTED: Solanum tuberosum subtilisin-like protease SBT1.7 (LOC102604251), mRNA
BD-SAP3-58_T7.seq	PREDICTED: Solanum tuberosum E3 ubiquitin-protein ligase SINAT2-like (LOC102584192), transcript variant X2, mRNA
BD-SAP3-69_T7.seq	PREDICTED: Solanum tuberosum 40S ribosomal protein SA-like (LOC102601481), transcript variant X1, mRNA
BD-SAP3-72_T7.seq	Solanum tuberosum clone 056C03 glyceraldehyde 3-phosphate dehydrogenase-like mRNA, complete cds
BD-SAP3-75_T7.seq	PREDICTED: Solanum tuberosum acetolactate synthase small subunit 1, chloroplastic (LOC102600503), mRNA
BD-SAP3-77_T7.seq	Solanum tuberosum epoxide hydrolase (LOC102577894), mRNA
BD-SAP3-79_T7.seq	PREDICTED: Solanum tuberosum non-specific lipid-transfer protein 2-like (LOC107059031), mRNA
BD-SAP3-83_T7.seq	Solanum tuberosum clone 131C06 beta-tubulin-like protein mRNA, complete cds
BD-SAP3-85_T7.seq	PREDICTED: Solanum tuberosum uncharacterized protein (LOC102589471), transcript variant X2, mRNA
BD-SAP3-86_T7.seq	Solanum tuberosum 60S ribosomal protein L9-1-like (LOC102599440), mRNA
BD-SAP3-89_T7.seq	PREDICTED: Solanum tuberosum chromophore lyase CRL, chloroplastic (LOC102588453), transcript variant X1, mRNA
BD-SAP3-94_T7.seq	PREDICTED: Solanum tuberosum ubiquitin-conjugating enzyme E2 10-like (LOC102579292), mRNA
BD-SAP3-95_T7.seq	Solanum tuberosum clone StDT110 photosystem II 10 kDa polypeptide mRNA, complete cds
BD-SAP3-96_T7.seq	PREDICTED: Solanum tuberosum auxin-responsive protein IAA4-like (LOC102592864), mRNA

附表 3 1665 个候选互作蛋白

Supplementary table 2 1665 candidate interacting protein

Gene ID	注释	kinase/TF
LOC102580286	ubiquitin-60S ribosomal protein L40	
LOC102595398	outer envelope pore protein 24A, chloroplastic-like	
LOC102587296	pollen-specific leucine-rich repeat extensin-like protein 2	
LOC102599865	polyubiquitin	
LOC102589576	uncharacterized protein LOC102589576	

PPO	catechol oxidase B, chloroplastic	
LOC102584188	COP9 signalosome complex subunit 6a-like	
LOC102587698	aconitate hydratase, cytoplasmic	
LOC102580808	heat shock cognate 70 kDa protein 2-like	
LOC102605153	extensin-2-like	
LOC102598270	protein C2-DOMAIN ABA-RELATED 2-like isoform X1	
LOC102604251	subtilisin-like protease SBT1.7	
LOC102584192	E3 ubiquitin-protein ligase SINAT2-like	
LOC102601481	40S ribosomal protein SA-like isoform X1	
GAPDH	glyceraldehyde-3-phosphate dehydrogenase	
LOC102577894	epoxide hydrolase	
LOC107058563	non-specific lipid-transfer protein 2-like	
LOC102577624	beta-tubulin-like protein	
LOC102589471	uncharacterized protein LOC102589471 isoform X1	
LOC102599440	60S ribosomal protein L9-1-like	
LOC102588453	chromophore lyase CRL, chloroplastic isoform X1	
LOC102579292	ubiquitin-conjugating enzyme E2 10-like	
PSBR	photosystem II 10 kDa polypeptide, chloroplastic	
LOC102592864	auxin-responsive protein IAA4-like	
AP1	MADS-box protein CMB1	TF
BBR/BPC1	protein BASIC PENTACYSSTEINE2-like	TF
BBR/BPC3	protein BASIC PENTACYSSTEINE6-like isoform X1	TF
BEL30	BEL1-related homeotic protein 30 isoform X1	TF
CBF3	AP2 domain CBF protein	TF
CO	CONSTANS isoform X1	TF
FIN1	putative alfin-like transcription factor isoform X1	TF
LOC102577439	CBF2	TF
LOC102577461	ABRE binding factor isoform X1	TF
LOC102577473	transcription factor NF-Y CCAAT-binding-like protein-like isoform X1	TF
LOC102577481	nam-like protein	TF
LOC102577491	WRKY transcription factor 2	TF
LOC102577612	uncharacterized protein LOC102577612 isoform X2	TF
LOC102577613	transcription factor MYB1R1	TF
LOC102577630	single-stranded DNA-binding protein WHY2, mitochondrial isoform X1	TF
LOC102577797	protein YABBY 4	TF
LOC102577893	WRKY transcription factor 6	TF
LOC102578148	transcription factor GTE4-like	TF
LOC102578160	scarecrow-like protein 21	TF
LOC102578174	uncharacterized protein LOC102578174	TF
LOC102578199	telomere repeat-binding protein 4-like	TF
LOC102578313	transcription factor MYB48-like	TF
LOC102578472	axial regulator YABBY 5-like	TF
LOC102578495	zinc finger protein CONSTANS-LIKE 4-like	TF
LOC102578582	B3 domain-containing protein At2g36080	TF

LOC102578920	G patch domain-containing protein 8	TF
LOC102579016	probable WRKY transcription factor 11	TF
LOC102579359	probable WRKY transcription factor 7	TF
LOC102579398	homeobox protein knotted-1-like 1-like	TF
LOC102579433	trihelix transcription factor ASR3-like isoform X1	TF
LOC102579710	transcription factor VIP1	TF
LOC102579893	ethylene-responsive transcription factor ERF020	TF
LOC102579916	nuclear transcription factor Y subunit B-10-like isoform X4	TF
LOC102580039	glutamine--tRNA ligase	TF
LOC102580087	calmodulin-binding transcription activator 2 isoform X4	TF
LOC102580320	zinc finger protein CONSTANS-LIKE 10 isoform X1	TF
LOC102580432	transcription factor GTE12-like	TF
LOC102580476	homeobox-leucine zipper protein ATHB-15	TF
LOC102580681	ethylene-responsive transcription factor 4-like	TF
LOC102580769	transcription factor GTE1-like	TF
LOC102580859	transcription factor BIM2-like isoform X1	TF
LOC102580885	probable WRKY transcription factor 40	TF
LOC102580956	transcription factor bHLH145-like	TF
LOC102581071	zinc finger CCCH domain-containing protein 43 isoform X2	TF
LOC102581195	probable WRKY transcription factor 4	TF
LOC102581225	AP2-like ethylene-responsive transcription factor ANT	TF
LOC102581280	homeobox-leucine zipper protein ATHB-13	TF
LOC102581335	probable WRKY transcription factor 70	TF
LOC102581508	homeobox-leucine zipper protein ATHB-52-like	TF
LOC102581525	homeobox-leucine zipper protein ATHB-16-like	TF
LOC102581535	GATA transcription factor 16-like	TF
LOC102581536	heat stress transcription factor A-5	TF
LOC102581652	ABSCISIC ACID-INSENSITIVE 5-like protein 7	TF
LOC102581745	transcription factor MYB44-like	TF
LOC102581816	squamosa promoter-binding protein 1-like	TF
LOC102582060	BES1/BZR1 homolog protein 2-like	TF
LOC102582092	auxin response factor 9-like isoform X2	TF
LOC102582124	uncharacterized protein LOC102582124 isoform X1	TF
LOC102582327	BES1/BZR1 homolog protein 4-like isoform X1	TF
LOC102582348	auxin response factor 2-like	TF
LOC102582409	transcription factor MYB48-like	TF
LOC102582470	floral homeotic protein PMADS 1-like	TF
LOC102582537	ethylene-responsive transcription factor 4-like	TF
LOC102582568	floral homeotic protein APETALA 2	TF
LOC102582606	transcription factor bHLH122-like	TF
LOC102582689	agamous-like MADS-box protein AGL66 isoform X2	TF
LOC102582834	scarecrow-like protein 21	TF
LOC102582848	transcription factor DIVARICATA-like	TF
LOC102582884	MADS-box transcription factor 23-like isoform X5	TF

LOC102583067	homeobox-leucine zipper protein ATHB-40-like	TF
LOC102583111	AP2-like ethylene-responsive transcription factor At2g41710	TF
LOC102583130	protein REVEILLE 6 isoform X2	TF
LOC102583262	uncharacterized protein LOC102583262	TF
LOC102583361	NAC domain-containing protein 8	TF
LOC102583369	putative B3 domain-containing protein At5g58280	TF
LOC102583376	MADS-box protein CMB1-like	TF
LOC102583391	G-box-binding factor 1-like isoform X1	TF
LOC102583429	calmodulin-binding transcription activator 3-like	TF
LOC102583507	transcription factor PIF1-like	TF
LOC102583697	zinc finger protein ZAT11-like	TF
LOC102583760	transcription factor bHLH148-like	TF
LOC102583764	transcription factor DIVARICATA-like	TF
LOC102583791	transcription factor bHLH121 isoform X2	TF
LOC102583871	ethylene-responsive transcription factor 1B-like	TF
LOC102583986	cyclic dof factor 3-like	TF
LOC102584006	growth-regulating factor 3-like	TF
LOC102584259	GATA transcription factor 8-like	TF
LOC102584363	zinc finger protein ZAT11-like	TF
LOC102584379	nuclear transcription factor Y subunit B-3-like	TF
LOC102584580	mediator-associated protein 1-like	TF
LOC102584643	trihelix transcription factor ASIL2	TF
LOC102584731	trihelix transcription factor ASIL2 isoform X1	TF
LOC102584751	agamous-like MADS-box protein AGL9 homolog	TF
LOC102584843	homeobox protein knotted-1-like LET12 isoform X1	TF
LOC102584846	zinc finger CCCH domain-containing protein 30-like	TF
LOC102584888	transcription factor ILR3-like	TF
LOC102584911	transcription factor bHLH149 isoform X1	TF
LOC102584960	transcription factor ILR3-like	TF
LOC102585059	agamous-like MADS-box protein AGL27	TF
LOC102585134	transcription factor VOZ1-like	TF
LOC102585148	transcription factor bHLH128-like isoform X1	TF
LOC102585187	ethylene-responsive transcription factor 5-like	TF
LOC102585253	zinc finger CCCH domain-containing protein 56-like	TF
LOC102585425	G-box-binding factor 4-like isoform X1	TF
LOC102585472	GATA transcription factor 15-like isoform X1	TF
LOC102585525	ethylene-responsive transcription factor 5-like	TF
LOC102585610	transcription factor PIF1-like	TF
LOC102585726	homeobox-leucine zipper protein ATHB-7-like	TF
LOC102586025	transcription factor MYB48	TF
LOC102586049	protein indeterminate-domain 5, chloroplastic-like	TF
LOC102586062	calmodulin-binding transcription activator 4 isoform X1	TF
LOC102586087	floral homeotic protein AGAMOUS isoform X3	TF
LOC102586095	auxin response factor 18 isoform X1	TF

LOC102586108	NF-X1-type zinc finger protein NFXL1	TF
LOC102586298	homeobox-leucine zipper protein ATHB-6	TF
LOC102586398	myb-related protein Myb4-like	TF
LOC102586537	GATA transcription factor 11-like	TF
LOC102586959	probable WRKY transcription factor 53	TF
LOC102587098	protein RADIALIS-like 1	TF
LOC102587112	transcription factor VOZ1	TF
LOC102587191	zinc finger protein NUTCRAKER-like isoform X2	TF
LOC102587292	zinc finger CCCH domain-containing protein 13 isoform X1	TF
LOC102587525	homeobox-leucine zipper protein HAT5	TF
LOC102587576	ethylene-responsive transcription factor 1-like	TF
LOC102587577	uncharacterized protein LOC102587577 isoform X1	TF
LOC102587679	transcription factor GTE4 isoform X3	TF
LOC102587717	two-component response regulator ORR24-like	TF
LOC102587723	GATA transcription factor 28-like	TF
LOC102587769	auxin response factor 19-like	TF
LOC102587822	uncharacterized protein LOC102587822	TF
LOC102587899	ethylene-responsive transcription factor 5-like	TF
LOC102587921	squamosa promoter-binding-like protein 1	TF
LOC102587928	GATA transcription factor 8-like	TF
LOC102587940	transcription factor bHLH3	TF
LOC102587946	myb-related protein Myb4-like	TF
LOC102587955	transcription factor bHLH79 isoform X1	TF
LOC102588093	probable WRKY transcription factor 26	TF
LOC102588102	bZIP transcription factor 60	TF
LOC102588141	uncharacterized protein LOC102588141 isoform X2	TF
LOC102588193	protein OVEREXPRESSOR OF CATIONIC PEROXIDASE 3	TF
LOC102588290	NAC domain-containing protein 17-like	TF
LOC102588336	myb-related protein Myb4-like	TF
LOC102588348	zinc finger CCCH domain-containing protein 56-like	TF
LOC102588372	MYB-like transcription factor ETC1	TF
LOC102588457	probable WRKY transcription factor 21	TF
LOC102588525	ETHYLENE INSENSITIVE 3-like 1 protein	TF
LOC102588526	transcription factor HY5	TF
LOC102588550	protein PHR1-LIKE 1	TF
LOC102588698	transcription factor EMB1444 isoform X2	TF
LOC102588755	DNA-binding protein S1FA-like	TF
LOC102588768	protein ETHYLENE INSENSITIVE 3-like	TF
LOC102589042	ethylene-responsive transcription factor ERF010-like	TF
LOC102589092	homeobox-leucine zipper protein ATHB-7-like	TF
LOC102589204	transcription factor HBI1-like	TF
LOC102589242	transcription factor TGA4-like isoform X1	TF
LOC102589311	transcription factor ICE1-like	TF
LOC102589361	WUSCHEL-related homeobox 4	TF

LOC102589426	uncharacterized protein LOC102589426 isoform X2	TF
LOC102589526	nuclear transcription factor Y subunit A-7-like isoform X1	TF
LOC102589608	neurofilament heavy polypeptide-like	TF
LOC102589616	cell division cycle 5-like protein	TF
LOC102589620	zinc finger protein ZAT10-like	TF
LOC102589714	homeobox-leucine zipper protein ATHB-15	TF
LOC102589720	transcription factor BTF3 homolog 4-like	TF
LOC102589727	transcription factor Pur-alpha 1 isoform X2	TF
LOC102589734	telomere repeat-binding factor 4	TF
LOC102589769	ethylene-responsive transcription factor ERF034-like	TF
LOC102589864	protein PHR1-LIKE 1-like	TF
LOC102589909	B3 domain-containing protein Os01g0723500-like isoform X1	TF
LOC102589942	transcription factor TGA7	TF
LOC102589957	zinc finger protein ZAT10-like	TF
LOC102589965	transcription factor LHW-like	TF
LOC102589994	trihelix transcription factor GT-3b-like	TF
LOC102590136	myb-related protein 305	TF
LOC102590158	auxin response factor 5	TF
LOC102590166	ethylene-responsive transcription factor ERF061	TF
LOC102590170	transcription factor bHLH47	TF
LOC102590299	LOB domain-containing protein 37-like	TF
LOC102590436	transcription factor bHLH92	TF
LOC102590442	transcription factor IIIB 60 kDa subunit	TF
LOC102590610	B-box zinc finger protein 20-like	TF
LOC102590659	zinc finger CCCH domain-containing protein 66	TF
LOC102590718	pathogenesis-related homeodomain protein isoform X1	TF
LOC102590737	zinc finger CCCH domain-containing protein 31-like	TF
LOC102590856	probable WRKY transcription factor 2 isoform X1	TF
LOC102590894	scarecrow-like protein 13	TF
LOC102590949	probable WRKY transcription factor 40	TF
LOC102590952	uncharacterized protein DDB_G0271670-like	TF
LOC102591076	transcription factor BTF3-like	TF
LOC102591120	trihelix transcription factor GT-3b-like	TF
LOC102591133	general transcription factor 3C polypeptide 5-like isoform X1	TF
LOC102591138	transcription factor GTE10-like isoform X1	TF
LOC102591286	dr1-associated corepressor isoform X1	TF
LOC102591293	AP2-like ethylene-responsive transcription factor At1g16060	TF
LOC102591370	ethylene-responsive transcription factor RAP2-13	TF
LOC102591395	uncharacterized protein At4g06598-like	TF
LOC102591506	transcription factor BEE 3	TF
LOC102591551	dnaJ homolog subfamily C member 2	TF
LOC102591617	uncharacterized protein LOC102591617	TF
LOC102591633	homeobox-leucine zipper protein GLABRA 2	TF
LOC102591655	ABSCISIC ACID-INSENSITIVE 5-like protein 4 isoform X1	TF

LOC102591764	zinc finger CCCH domain-containing protein 30-like	TF
LOC102591818	transcription factor SPATULA-like	TF
LOC102591828	heat shock factor protein HSF30-like	TF
LOC102591860	ethylene-responsive transcription factor RAP2-12-like isoform X1	TF
LOC102591894	dr1-associated corepressor-like	TF
LOC102592058	homeobox protein knotted-1-like LET12	TF
LOC102592166	LOB domain-containing protein 37	TF
LOC102592177	MADS-box protein SOC1-like isoform X1	TF
LOC102592300	GATA transcription factor 26-like	TF
LOC102592457	protein FAR1-RELATED SEQUENCE 1-like isoform X4	TF
LOC102592561	homeobox-leucine zipper protein ATHB-6-like	TF
LOC102592581	transcription factor bHLH66	TF
LOC102592614	BES1/BZR1 homolog protein 4 isoform X2	TF
LOC102592624	transcription factor TCP7-like isoform X2	TF
LOC102592735	GATA transcription factor 1-like	TF
LOC102592793	zinc finger protein ZAT5-like	TF
LOC102592798	protein BRASSINAZOLE-RESISTANT 1-like	TF
LOC102592836	trihelix transcription factor ASIL2	TF
LOC102593039	zinc finger CCCH domain-containing protein 48	TF
LOC102593066	beta-amylase 7	TF
LOC102593238	putative ETHYLENE INSENSITIVE 3-like 4 protein	TF
LOC102593360	probable WRKY transcription factor 4 isoform X3	TF
LOC102593459	B3 domain-containing protein At5g42700-like isoform X2	TF
LOC102593535	truncated transcription factor CAULIFLOWER A-like isoform X3	TF
LOC102593666	protein SHOOT GRAVITROPISM 5-like	TF
LOC102593685	uncharacterized protein LOC102593685 isoform X1	TF
LOC102593715	MADS-box transcription factor 23-like isoform X2	TF
LOC102593794	uncharacterized LOC102593794	TF
LOC102593941	heat shock factor protein HSF24	TF
LOC102594206	auxin response factor 2-like	TF
LOC102594250	transcription factor bHLH104-like	TF
LOC102594353	trihelix transcription factor ASIL2	TF
LOC102594362	zinc finger CCCH domain-containing protein 55	TF
LOC102594530	zinc finger CCCH domain-containing protein 1	TF
LOC102594588	ethylene-responsive transcription factor RAP2-3	TF
LOC102594615	ethylene-responsive transcription factor-like protein At4g13040	TF
LOC102595084	transcription factor MYB1R1	TF
LOC102595190	scarecrow-like protein 30 isoform X1	TF
LOC102595254	bZIP transcription factor 53	TF
LOC102595265	histone deacetylase HDT1-like	TF
LOC102595276	transcription factor bHLH157-like	TF
LOC102595322	ETHYLENE INSENSITIVE 3-like 1 protein	TF
LOC102595518	E3 ubiquitin-protein ligase makorin-like isoform X1	TF
LOC102595522	floral homeotic protein PMADS 2	TF

LOC102595563	homeobox-leucine zipper protein MERISTEM L1	TF
LOC102595800	myb-related protein 340-like	TF
LOC102595935	homeobox-leucine zipper protein ATHB-15-like	TF
LOC102595949	floral homeotic protein FBP1	TF
LOC102595965	transcription factor bHLH79-like	TF
LOC102595967	growth-regulating factor 1-like	TF
LOC102596080	transcription factor bHLH137-like	TF
LOC102596236	NAC domain-containing protein 21/22-like	TF
LOC102596367	B3 domain-containing protein Os01g0234100-like	TF
LOC102596464	transcription factor bHLH81-like	TF
LOC102596484	homeobox-leucine zipper protein ATHB-12	TF
LOC102596569	ABSCISIC ACID-INSENSITIVE 5-like protein 5	TF
LOC102596640	transcription factor bHLH93-like	TF
LOC102596767	floral homeotic protein AGAMOUS-like	TF
LOC102596781	protein NLP9-like	TF
LOC102596877	NAC domain-containing protein 83	TF
LOC102597029	transcriptional activator TAF-1-like	TF
LOC102597030	myb-related protein 308-like	TF
LOC102597101	nuclear transcription factor Y subunit C-1-like isoform X2	TF
LOC102597110	zinc finger CCCH domain-containing protein ZFN-like	TF
LOC102597120	zinc finger CCCH domain-containing protein 14-like	TF
LOC102597132	homeobox-leucine zipper protein HAT4	TF
LOC102597253	transcription factor GTE8-like	TF
LOC102597276	DNA-binding protein S1FA-like	TF
LOC102597292	protein Dr1 homolog	TF
LOC102597330	uncharacterized protein LOC102597330 isoform X1	TF
LOC102597562	ethylene-responsive transcription factor 3-like	TF
LOC102597614	ethylene-responsive transcription factor WIN1	TF
LOC102597627	general transcription factor IIH subunit 4	TF
LOC102597649	transcription factor MYC2-like	TF
LOC102597667	homeobox-leucine zipper protein HAT5	TF
LOC102597704	auxin response factor 8-like isoform X1	TF
LOC102597810	protein BRASSINAZOLE-RESISTANT 1-like	TF
LOC102597897	protein PHR1-LIKE 1-like isoform X2	TF
LOC102597963	auxin response factor 8-like isoform X2	TF
LOC102597973	heat stress transcription factor B-2a-like	TF
LOC102598208	protein FAR1-RELATED SEQUENCE 2-like isoform X4	TF
LOC102598221	transcription factor RF2a	TF
LOC102598339	beta-amylase 8	TF
LOC102598455	two-component response regulator ORR24-like	TF
LOC102598460	homeobox-leucine zipper protein HAT5-like	TF
LOC102598513	auxin response factor 8-like isoform X2	TF
LOC102598519	auxin response factor 6-like isoform X1	TF
LOC102598558	tRNA-dihydrouridine(47) synthase [NAD(P)](+)	TF

LOC102598701	protein Dr1 homolog	TF
LOC102598749	scarecrow-like protein 14	TF
LOC102599068	scarecrow-like protein 14	TF
LOC102599201	two-component response regulator-like APRR2	TF
LOC102599396	B3 domain-containing protein At5g60140-like	TF
LOC102599404	zinc finger CCCH domain-containing protein 20-like	TF
LOC102599411	GATA transcription factor 24-like isoform X2	TF
LOC102599417	agamous-like MADS-box protein AGL12 isoform X2	TF
LOC102599464	agamous-like MADS-box protein AGL15	TF
LOC102599589	transcription factor DIVARICATA-like	TF
LOC102599601	trihelix transcription factor ASIL1-like	TF
LOC102599645	uncharacterized protein LOC102599645	TF
LOC102599915	nuclear transcription factor Y subunit A-10 isoform X1	TF
LOC102599976	ethylene-responsive transcription factor 5-like	TF
LOC102600016	uncharacterized protein LOC102600016	TF
LOC102600080	zinc finger CCCH domain-containing protein 31-like	TF
LOC102600158	uncharacterized protein LOC102600158	TF
LOC102600330	transcription factor bHLH79-like	TF
LOC102600380	protein Dr1 homolog	TF
LOC102600423	scarecrow-like protein 9	TF
LOC102600522	probable WRKY transcription factor 3	TF
LOC102600529	homeobox protein HD1	TF
LOC102600532	NAC domain-containing protein 2	TF
LOC102600604	transcription factor bHLH71-like	TF
LOC102600754	nuclear transcription factor Y subunit A-1	TF
LOC102600966	ABSCISIC ACID-INSENSITIVE 5-like protein 2	TF
LOC102601001	protein NLP7-like isoform X1	TF
LOC102601030	B-box zinc finger protein 24-like	TF
LOC102601077	ethylene-responsive transcription factor RAP2-12-like	TF
LOC102601103	LOW QUALITY PROTEIN: zinc finger protein ZAT10	TF
LOC102601114	transcription factor TFIIB component B" isoform X4	TF
LOC102601125	mini zinc finger protein 3	TF
LOC102601314	MADS-box protein SOC1-like	TF
LOC102601372	transcription factor MYC4-like	TF
LOC102601471	protein indeterminate-domain 9-like	TF
LOC102601488	transcription factor GTE4-like	TF
LOC102601498	heat stress transcription factor B-3	TF
LOC102601584	NAC domain-containing protein 78-like	TF
LOC102601616	protein LHY isoform X1	TF
LOC102601650	MADS-box protein SOC1-like isoform X1	TF
LOC102601659	floral homeotic protein DEFICIENS-like	TF
LOC102601754	developmental protein SEPALLATA 1 isoform X2	TF
LOC102601757	NF-X1-type zinc finger protein NFXL2	TF
LOC102601812	dof zinc finger protein DOF2.1-like	TF

LOC102601860	homeotic protein knotted-1 isoform X1	TF
LOC102601973	uncharacterized protein LOC102601973	TF
LOC102601981	myb-related protein B	TF
LOC102602099	auxin response factor 4	TF
LOC102602212	MADS-box transcription factor 6	TF
LOC102602254	transcription factor bHLH128-like	TF
LOC102602320	uncharacterized protein LOC102602320	TF
LOC102602352	zinc-finger homeodomain protein 9-like	TF
LOC102602470	transcription factor MYB1R1-like	TF
LOC102602477	ethylene-responsive transcription factor 3-like	TF
LOC102602483	trihelix transcription factor ASIL1-like	TF
LOC102602510	NAC domain-containing protein 82-like isoform X2	TF
LOC102602611	transcription factor TCP23-like	TF
LOC102602711	myb-related protein 308-like	TF
LOC102602778	general transcription factor 3C polypeptide 6-like isoform X2	TF
LOC102602854	ethylene-responsive transcription factor RAP2-4-like	TF
LOC102602887	GATA transcription factor 24-like	TF
LOC102602930	transcription factor ILR3-like	TF
LOC102602966	uncharacterized protein LOC102602966	TF
LOC102602986	probable WRKY transcription factor 41	TF
LOC102603001	calmodulin-binding transcription activator 4-like isoform X2	TF
LOC102603115	transcription factor AS1	TF
LOC102603121	transcription factor MYC4-like	TF
LOC102603199	calmodulin-binding transcription activator 5-like	TF
LOC102603225	transcription factor MYB44-like	TF
LOC102603380	nuclear transcription factor Y subunit C-1-like	TF
LOC102603511	zinc finger CCCH domain-containing protein 17-like	TF
LOC102603564	homeobox protein LUMINIDEPENDENS	TF
LOC102603585	DNA polymerase epsilon subunit 3	TF
LOC102603671	protein PHR1-LIKE 1-like	TF
LOC102603758	squamosa promoter-binding-like protein 1	TF
LOC102603790	uncharacterized protein LOC102603790 isoform X2	TF
LOC102603812	zinc finger protein CONSTANS-LIKE 14-like	TF
LOC102603828	dof zinc finger protein DOF2.1-like	TF
LOC102603905	transcription factor ILR3	TF
LOC102603993	WRKY transcription factor 44	TF
LOC102604187	ethylene-responsive transcription factor 5-like	TF
LOC102604219	light-inducible protein CPRF2-like isoform X2	TF
LOC102604321	transcription factor bHLH68-like isoform X1	TF
LOC102604324	homeobox-leucine zipper protein HAT7-like	TF
LOC102604457	homeobox-leucine zipper protein HAT4	TF
LOC102604625	DELLA protein GAI-like isoform X2	TF
LOC102604654	protein REVEILLE 8-like	TF
LOC102604816	uncharacterized protein LOC102604816 isoform X2	TF

LOC102604849	axial regulator YABBY 1	TF
LOC102604891	transcription factor PIF3-like	TF
LOC102605014	transcription factor bHLH69	TF
LOC102605066	NAC domain-containing protein 91	TF
LOC102605067	myb family transcription factor APL-like	TF
LOC102605179	probable WRKY transcription factor 30	TF
LOC102605180	transcription factor TGA2 isoform X2	TF
LOC102605188	transcription factor TCP7	TF
LOC102605199	protein tesmin/TSO1-like CXC 5	TF
LOC102605299	ethylene-responsive transcription factor 4-like	TF
LOC102605309	TGACG-sequence-specific DNA-binding protein TGA-2.1	TF
LOC102605336	ethylene-responsive transcription factor RAP2-7-like	TF
LOC102605338	ethylene-responsive transcription factor ERF027-like	TF
LOC102605346	zinc finger CCCH domain-containing protein 44-like	TF
LOC102605353	transcription factor bHLH68 isoform X1	TF
LOC102605458	membrane-bound transcription factor site-2 protease homolog isoform X1	TF
LOC102605648	WRKY transcription factor 1-like	TF
LOC102605918	squamosa promoter-binding-like protein 12 isoform X2	TF
LOC102606071	ethylene-responsive transcription factor RAP2-7-like isoform X2	TF
LOC102606091	transcription factor UNE12	TF
LOC102606118	transcription factor bHLH113-like	TF
LOC102606135	zinc finger protein 511	TF
LOC102606148	zinc finger CCCH domain-containing protein 24	TF
LOC102606168	protein LSD1-like isoform X2	TF
LOC102606182	homeobox protein knotted-1-like 3	TF
LOC102606191	scarecrow-like protein 14	TF
LOC102606235	auxin response factor 6-like isoform X2	TF
LOC102606272	ethylene-responsive transcription factor 5-like	TF
LOC102606303	transcription factor MYB48-like	TF
LOC102606309	BEL1-like homeodomain protein 1	TF
LOC102606335	two-component response regulator ARR14 isoform X2	TF
LOC102606395	transcription factor bHLH35	TF
LOC107061456	transcription factor MYB114-like	TF
LOC107062282	zinc finger protein 1-like	TF
LOC107062558	LOB domain-containing protein 25-like	TF
LOC107062792	ethylene-responsive transcription factor 5-like	TF
LOC107062867	WRKY transcription factor 22-like	TF
LOC107062958	B3 domain-containing protein Os04g0386900-like	TF
LSD1	protein LSD1	TF
MADS16	MADS16 protein isoform X1	TF
MYBST1	MYBST1 protein	TF
NAC2	NAC transcription factor 29-like	TF
POTH15	homeobox protein knotted-1-like LET6-like isoform X1	TF
PPS4	myb family transcription factor APL-like isoform X1	TF

STMADS11	MADS transcriptional factor isoform X1	TF
STWAAEIRD	DNA binding protein homolog	TF
STWRKY8	double WRKY type transfactor	TF
TSF	transcription factor MYB82-like	TF
CDPK1	calcium-dependent protein kinase	kinase
HXKRP1	hexokinase-related protein 1	kinase
IPKA	inositol polyphosphate kinase	kinase
LOC102577438	shaggy-like protein kinase NtK-1 isoform X1	kinase
LOC102577591	adenylate kinase	kinase
LOC102577666	protein kinase CPK1	kinase
LOC102577684	adenosine kinase isoform 1T-like protein	kinase
LOC102577690	hexokinase-2	kinase
LOC102577816	fructokinase-like	kinase
LOC102577898	adenylate kinase family-like protein	kinase
LOC102577907	calcium-dependent protein kinase 3	kinase
LOC102577918	CDPK-like protein isoform X1	kinase
LOC102578209	nucleoside diphosphate kinase	kinase
LOC102578304	casein kinase I-like	kinase
LOC102578312	probable serine/threonine-protein kinase kinX	kinase
LOC102578324	serine/threonine-protein kinase Aurora-3-like	kinase
LOC102578443	mitogen-activated protein kinase kinase kinase YODA	kinase
LOC102578501	CBL-interacting serine/threonine-protein kinase 3-like	kinase
LOC102578618	shaggy-related protein kinase epsilon	kinase
LOC102578620	probable inactive receptor kinase At1g48480	kinase
LOC102578624	C-type lectin receptor-like tyrosine-protein kinase At1g52310 isoform X2	kinase
LOC102578703	mitogen-activated protein kinase 19-like	kinase
LOC102578800	serine/threonine-protein kinase HT1-like	kinase
LOC102578817	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1-like	kinase
LOC102579105	putative uridine kinase C227.14 isoform X1	kinase
LOC102579201	probable LRR receptor-like serine/threonine-protein kinase At3g47570	kinase
LOC102579422	plastidial pyruvate kinase 2	kinase
LOC102579428	serine/threonine-protein kinase rio2	kinase
LOC102579574	probable receptor-like protein kinase At5g24010	kinase
LOC102579593	probable LRR receptor-like serine/threonine-protein kinase At1g67720	kinase
LOC102579624	serine/threonine-protein kinase 19 isoform X1	kinase
LOC102579873	cysteine-rich receptor-like protein kinase 3 isoform X1	kinase
LOC102579874	serine/threonine-protein kinase D6PKL2-like	kinase
LOC102579931	putative 1-phosphatidylinositol-3-phosphate 5-kinase FAB1C	kinase
LOC102580082	receptor-like serine/threonine-protein kinase ALE2	kinase
LOC102580099	cysteine-rich receptor-like protein kinase 2	kinase
LOC102580187	cyclin-dependent kinases regulatory subunit 1-like	kinase
LOC102580227	probable serine/threonine-protein kinase At1g01540	kinase
LOC102580296	guanylate kinase 2, chloroplastic/mitochondrial	kinase
LOC102580424	probable serine/threonine-protein kinase kinX isoform X2	kinase

LOC102580462	putative 1-phosphatidylinositol-3-phosphate 5-kinase FAB1C	kinase
LOC102580503	LRR receptor-like serine/threonine-protein kinase FEI 2	kinase
LOC102580509	phosphatidylinositol 4-kinase gamma 7-like	kinase
LOC102580613	probable membrane-associated kinase regulator 6	kinase
LOC102580729	p21-activated protein kinase-interacting protein 1-like	kinase
LOC102580899	mitogen-activated protein kinase homolog MMK2	kinase
LOC102580959	G-type lectin S-receptor-like serine/threonine-protein kinase At4g03230	kinase
LOC102581048	pollen receptor-like kinase 3	kinase
LOC102581055	LRR receptor-like serine/threonine-protein kinase FEI 2	kinase
LOC102581068	putative leucine-rich repeat receptor-like serine/threonine-protein kinase At2g14440	kinase
LOC102581119	serine/threonine-protein kinase HT1-like	kinase
LOC102581327	casein kinase I isoform gamma-3-like	kinase
LOC102581441	ATP-dependent 6-phosphofructokinase 5, chloroplastic-like	kinase
LOC102581583	probable serine/threonine-protein kinase DDB_G0280133	kinase
LOC102581596	pyruvate kinase isozyme A, chloroplastic	kinase
LOC102581819	adenylate kinase 4	kinase
LOC102581847	NAD kinase 2, chloroplastic	kinase
LOC102581857	probable serine/threonine-protein kinase At1g54610	kinase
LOC102581899	probable serine/threonine-protein kinase At1g09600	kinase
LOC102581909	sphingoid long-chain bases kinase 2, mitochondrial isoform X2	kinase
LOC102581961	serine/threonine-protein kinase CDL1-like	kinase
LOC102582087	probable receptor-like protein kinase At1g67000	kinase
LOC102582273	cyclin-dependent kinase F-4-like isoform X1	kinase
LOC102582353	casein kinase I isoform delta-like	kinase
LOC102582360	serine/threonine-protein kinase SAPK2-like	kinase
LOC102582451	probable choline kinase 1	kinase
LOC102582462	pyruvate kinase 1, cytosolic-like	kinase
LOC102582665	L-arabinokinase-like	kinase
LOC102582682	probable receptor-like protein kinase At5g56460	kinase
LOC102582697	mevalonate kinase	kinase
LOC102582891	serine/threonine-protein kinase HT1-like	kinase
LOC102582917	probable adenylate kinase 6, chloroplastic	kinase
LOC102582953	CBL-interacting protein kinase 18-like	kinase
LOC102583118	glucuronokinase 1	kinase
LOC102583332	receptor-like protein kinase 2 isoform X1	kinase
LOC102583460	phosphatidylinositol 4-kinase gamma 4-like	kinase
LOC102583521	leucine-rich repeat receptor-like serine/threonine/tyrosine-protein kinase SOBIR1	kinase
LOC102583561	probable serine/threonine-protein kinase At1g18390 isoform X2	kinase
LOC102583773	protein STRUBBELIG-RECEPTOR FAMILY 5	kinase
LOC102583803	glycerol kinase	kinase
LOC102583818	diacylglycerol kinase 7-like	kinase
LOC102583845	probable serine/threonine-protein kinase WNK3 isoform X2	kinase

LOC102583881	UMP-CMP kinase 3-like isoform X2	kinase
LOC102583902	uncharacterized protein LOC102583902	kinase
LOC102583912	putative serine/threonine-protein kinase A isoform X1	kinase
LOC102583958	N-acetyl-D-glucosamine kinase-like isoform X1	kinase
LOC102583959	probable LRR receptor-like serine/threonine-protein kinase At3g47570	kinase
LOC102584032	serine/threonine-protein kinase pakF-like	kinase
LOC102584080	probable serine/threonine-protein kinase At1g09600	kinase
LOC102584088	serine/threonine-protein kinase STY17-like isoform X1	kinase
LOC102584240	protein NSP-INTERACTING KINASE 3-like	kinase
LOC102584304	casein kinase I-like	kinase
LOC102584356	probable leucine-rich repeat receptor-like protein kinase At2g28990	kinase
LOC102584422	serine/threonine-protein kinase At5g01020	kinase
LOC102584538	cyclin-dependent kinase inhibitor 3	kinase
LOC102584591	MOB kinase activator-like 1A	kinase
LOC102584665	probable receptor-like protein kinase At5g15080	kinase
LOC102584694	probable LRR receptor-like serine/threonine-protein kinase MRH1	kinase
LOC102584848	SNF1-related protein kinase regulatory subunit gamma-1	kinase
LOC102584859	phosphatidylinositol 4-phosphate 5-kinase 9-like	kinase
LOC102585004	3-phosphoinositide-dependent protein kinase 2	kinase
LOC102585161	calcium-dependent protein kinase 32-like	kinase
LOC102585169	probable inactive shikimate kinase like 2, chloroplastic	kinase
LOC102585267	probable serine/threonine-protein kinase DDB_G0272254 isoform X1	kinase
LOC102585300	leucine-rich repeat receptor-like serine/threonine-protein kinase BAM3	kinase
LOC102585347	probable fructokinase-7	kinase
LOC102585511	probable protein kinase At2g41970	kinase
LOC102585756	probable receptor-like protein kinase At5g18500	kinase
LOC102585843	serine/threonine-protein kinase tricornet	kinase
LOC102585935	sphingoid long-chain bases kinase 1	kinase
LOC102585983	probable inactive shikimate kinase like 1, chloroplastic	kinase
LOC102585985	probable serine/threonine-protein kinase At5g41260	kinase
LOC102586032	mitogen-activated protein kinase 9	kinase
LOC102586064	putative serine/threonine-protein kinase	kinase
LOC102586088	ATP-dependent 6-phosphofructokinase 4, chloroplastic	kinase
LOC102586204	probable leucine-rich repeat receptor-like protein kinase At1g35710	kinase
LOC102586216	serine-threonine kinase receptor-associated protein-like	kinase
LOC102586250	shaggy-related protein kinase epsilon-like	kinase
LOC102586462	dephospho-CoA kinase-like isoform X1	kinase
LOC102586582	serine/threonine-protein kinase EDR1-like isoform X1	kinase
LOC102586591	uncharacterized protein LOC102586591	kinase
LOC102586596	receptor-like protein kinase HAIKU2	kinase
LOC102586604	serine/threonine-protein kinase STY8	kinase
LOC102586679	casein kinase II subunit alpha-2-like	kinase
LOC102586845	probable inactive receptor kinase At5g10020	kinase
LOC102587092	serine/threonine-protein kinase HT1-like	kinase

LOC102587294	histidine kinase 3	kinase
LOC102587381	uncharacterized aarF domain-containing protein kinase At5g05200, chloroplastic isoform X1	kinase
LOC102587515	uridylate kinase	kinase
LOC102587529	shaggy-related protein kinase epsilon	kinase
LOC102587678	pantothenate kinase 2	kinase
LOC102587696	serine/threonine-protein kinase SAPK2-like	kinase
LOC102587784	receptor-like serine/threonine-protein kinase ALE2	kinase
LOC102587831	adenylate kinase 4	kinase
LOC102587960	probable inactive receptor kinase At5g58300	kinase
LOC102588071	U-box domain-containing protein 35-like	kinase
LOC102588115	probable serine/threonine-protein kinase At1g18390	kinase
LOC102588179	serine/threonine-protein kinase ATG1c-like	kinase
LOC102588190	serine/threonine-protein kinase STY46-like	kinase
LOC102588247	cyclin-dependent kinase inhibitor 4-like	kinase
LOC102588293	probable LRR receptor-like serine/threonine-protein kinase At3g47570	kinase
LOC102588319	serine/threonine-protein kinase Aurora-3-like isoform X2	kinase
LOC102588327	glutamate 5-kinase isoform X1	kinase
LOC102588396	probable LRR receptor-like serine/threonine-protein kinase At1g53430 isoform X1	kinase
LOC102588417	receptor-like protein kinase FERONIA	kinase
LOC102588420	cysteine-rich receptor-like protein kinase 10	kinase
LOC102588478	phosphatidylinositol 3-kinase, root isoform	kinase
LOC102588603	G-type lectin S-receptor-like serine/threonine-protein kinase At1g11330	kinase
LOC102588664	probable inactive receptor kinase At1g48480	kinase
LOC102588717	pantothenate kinase 1	kinase
LOC102588730	SRSF protein kinase 1-like	kinase
LOC102588748	mitogen-activated protein kinase kinase kinase NPK1-like	kinase
LOC102588766	serine/threonine-protein kinase AFC2-like isoform X1	kinase
LOC102588777	SNF1-related protein kinase regulatory subunit beta-2-like	kinase
LOC102588783	serine/threonine-protein kinase HT1-like	kinase
LOC102588803	inositol 3-kinase isoform X1	kinase
LOC102588824	CDPK-related kinase 5	kinase
LOC102588848	protein STRUBBELIG-RECEPTOR FAMILY 7-like	kinase
LOC102588875	cell division control protein 2 homolog A	kinase
LOC102589067	serine/threonine-protein kinase SAPK3-like	kinase
LOC102589168	probable serine/threonine protein kinase IREH1	kinase
LOC102589178	serine/threonine-protein kinase Nek5-like	kinase
LOC102589179	shikimate kinase, chloroplastic	kinase
LOC102589343	uncharacterized protein LOC102589343 isoform X1	kinase
LOC102589347	acetylglutamate kinase, chloroplastic	kinase
LOC102589350	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1-like	kinase
LOC102589408	serine/threonine-protein kinase EDR1-like	kinase
LOC102589755	inactive protein kinase SELMODRAFT_444075-like isoform X1	kinase

LOC102589803	diacylglycerol kinase 7-like	kinase
LOC102589838	lysM domain receptor-like kinase 4	kinase
LOC102589881	probable ethanolamine kinase	kinase
LOC102589883	probable serine/threonine-protein kinase At1g54610	kinase
LOC102589918	U-box domain-containing protein 35-like	kinase
LOC102589980	serine/threonine-protein kinase STN7, chloroplastic	kinase
LOC102590041	bifunctional fucokinase/fucose pyrophosphorylase	kinase
LOC102590061	U-box domain-containing protein 34-like isoform X1	kinase
LOC102590078	casein kinase II subunit alpha-like	kinase
LOC102590168	probable inactive leucine-rich repeat receptor-like protein kinase At1g66830	kinase
LOC102590406	probable serine/threonine-protein kinase WNK5	kinase
LOC102590454	casein kinase I isoform delta-like	kinase
LOC102590590	probable LRR receptor-like serine/threonine-protein kinase At1g06840 isoform X1	kinase
LOC102590722	probable LRR receptor-like serine/threonine-protein kinase At1g06840	kinase
LOC102590752	diacylglycerol kinase 5-like isoform X1	kinase
LOC102590767	calcium-dependent protein kinase 13	kinase
LOC102590770	mitogen-activated protein kinase 19-like	kinase
LOC102590828	probable serine/threonine-protein kinase At1g54610	kinase
LOC102590835	serine/threonine-protein kinase CDL1-like	kinase
LOC102591004	serine/threonine-protein kinase dst1	kinase
LOC102591122	ribokinase	kinase
LOC102591184	probable serine/threonine-protein kinase At4g35230	kinase
LOC102591187	CDPK-related kinase 1	kinase
LOC102591272	calmodulin-binding receptor-like cytoplasmic kinase 3 isoform X1	kinase
LOC102591352	SNF1-related protein kinase regulatory subunit beta-1-like	kinase
LOC102591407	cyclin-dependent kinase C-2-like	kinase
LOC102591452	calcium-dependent protein kinase 10-like	kinase
LOC102591470	phosphoribulokinase, chloroplastic	kinase
LOC102591476	probable serine/threonine-protein kinase At1g01540	kinase
LOC102591612	probable serine/threonine-protein kinase Cx32, chloroplastic	kinase
LOC102591634	cyclin-dependent kinase E-1	kinase
LOC102591639	probable serine/threonine-protein kinase At5g41260	kinase
LOC102591687	receptor-like protein kinase HAIKU2	kinase
LOC102591709	probable leucine-rich repeat receptor-like protein kinase At5g49770 isoform X2	kinase
LOC102591726	serine/threonine-protein kinase ATG1c isoform X2	kinase
LOC102591740	serine/threonine-protein kinase AtPK2/AtPK19	kinase
LOC102591745	LRR receptor-like serine/threonine-protein kinase RPK2 isoform X2	kinase
LOC102591751	serine/threonine-protein kinase fray2 isoform X1	kinase
LOC102591863	CBL-interacting serine/threonine-protein kinase 6-like	kinase
LOC102591885	somatic embryogenesis receptor kinase 1-like	kinase
LOC102591981	cyclin-dependent kinase D-3-like	kinase
LOC102592027	adenylate kinase, chloroplastic-like isoform X1	kinase

LOC102592051	probable leucine-rich repeat receptor-like protein kinase At5g49770 isoform X2	kinase
LOC102592322	probable serine/threonine-protein kinase WNK11 isoform X1	kinase
LOC102592470	serine/threonine-protein kinase Nek6-like isoform X1	kinase
LOC102592493	probable serine/threonine-protein kinase At1g54610 isoform X2	kinase
LOC102592602	leucine-rich repeat receptor-like protein kinase PXL2	kinase
LOC102592675	calcium-dependent protein kinase 1-like	kinase
LOC102592715	serine/threonine-protein kinase BLUS1	kinase
LOC102592835	casein kinase I isoform delta-like	kinase
LOC102592852	mitogen-activated protein kinase 7	kinase
LOC102592901	putative 3,4-dihydroxy-2-butanone kinase	kinase
LOC102592991	serine/threonine-protein kinase HT1-like	kinase
LOC102592998	L-arabinokinase-like isoform X1	kinase
LOC102593181	pyruvate kinase 2, cytosolic	kinase
LOC102593321	putative cyclin-dependent serine/threonine-protein kinase DDB_G0272797/DDB_G0274007	kinase
LOC102593343	bifunctional riboflavin kinase/FMN phosphatase	kinase
LOC102593359	pyruvate dehydrogenase (acetyl-transferring) kinase, mitochondrial-like	kinase
LOC102593423	probable LRR receptor-like serine/threonine-protein kinase At2g16250	kinase
LOC102593681	CBL-interacting serine/threonine-protein kinase 1-like	kinase
LOC102593683	CBL-interacting serine/threonine-protein kinase 6	kinase
LOC102593817	mitogen-activated protein kinase kinase 2-like	kinase
LOC102593836	probable fructokinase-4-like	kinase
LOC102593860	uncharacterized aarF domain-containing protein kinase At1g79600, chloroplastic	kinase
LOC102593900	mitogen-activated protein kinase kinase kinase 1-like	kinase
LOC102593906	casein kinase I-like	kinase
LOC102594002	proline-rich receptor-like protein kinase PERK9	kinase
LOC102594006	probable GTP diphosphokinase CRS1, chloroplastic	kinase
LOC102594017	pyruvate, phosphate dikinase regulatory protein 1, chloroplastic	kinase
LOC102594018	EKC/KEOPS complex subunit bud32-like	kinase
LOC102594048	casein kinase II subunit alpha-2	kinase
LOC102594132	proline-rich receptor-like protein kinase PERK1	kinase
LOC102594187	protein kinase 2B, chloroplastic	kinase
LOC102594235	nucleoside diphosphate kinase 2, chloroplastic	kinase
LOC102594236	serine/threonine-protein kinase tricornet-like isoform X2	kinase
LOC102594309	calcium-dependent protein kinase 5 isoform X1	kinase
LOC102594391	serine/threonine-protein kinase STY8 isoform X1	kinase
LOC102594415	uncharacterized protein LOC102594415	kinase
LOC102594472	CBL-interacting serine/threonine-protein kinase 3-like isoform X1	kinase
LOC102594596	receptor-like protein kinase HAIKU2	kinase
LOC102594640	adenylyl-sulfate kinase 3	kinase
LOC102594673	phosphoenolpyruvate carboxylase kinase 1-like	kinase
LOC102594770	calcium-dependent protein kinase 8-like	kinase

LOC102594812	serine/threonine-protein kinase SAPK8-like	kinase
LOC102594940	putative casein kinase II subunit beta-4	kinase
LOC102594996	serine/threonine-protein kinase CDL1	kinase
LOC102595020	serine/threonine-protein kinase AtPK2/AtPK19-like	kinase
LOC102595032	putative receptor-like protein kinase At1g72540	kinase
LOC102595112	serine/threonine-protein kinase sid1	kinase
LOC102595181	SCY1-like protein 2	kinase
LOC102595504	xylulose kinase isoform X2	kinase
LOC102595652	calcium and calcium/calmodulin-dependent serine/threonine-protein kinase-like	kinase
LOC102595708	SNF1-related protein kinase regulatory subunit beta-3-like isoform X1	kinase
LOC102595781	LOW QUALITY PROTEIN: G-type lectin S-receptor-like serine/threonine-protein kinase At1g67520	kinase
LOC102595931	serine/threonine-protein kinase PBS1	kinase
LOC102595956	probable GTP diphosphokinase RSH2, chloroplastic	kinase
LOC102596011	probable LRR receptor-like serine/threonine-protein kinase At5g10290	kinase
LOC102596093	SRSF protein kinase 3-like	kinase
LOC102596110	probable serine/threonine-protein kinase At5g41260	kinase
LOC102596116	serine/threonine-protein kinase PEPKR2-like	kinase
LOC102596157	histidine kinase 1 isoform X1	kinase
LOC102596191	phosphoenolpyruvate carboxykinase [ATP	kinase
LOC102596332	calcium-dependent protein kinase 1-like	kinase
LOC102596457	serine/threonine-protein kinase tricornet-like	kinase
LOC102596468	pyruvate kinase, cytosolic isozyme	kinase
LOC102596474	SNF1-related protein kinase regulatory subunit beta-2-like isoform X1	kinase
LOC102596684	casein kinase I isoform delta-like	kinase
LOC102596688	ribose-phosphate pyrophosphokinase 4-like	kinase
LOC102597027	U-box domain-containing protein 33	kinase
LOC102597139	CDPK-related kinase 3 isoform X1	kinase
LOC102597285	protein SPA1-RELATED 2 isoform X1	kinase
LOC102597308	phototropin-2 isoform X1	kinase
LOC102597340	xylulose kinase-like	kinase
LOC102597348	serine/threonine-protein kinase CTR1-like isoform X1	kinase
LOC102597422	PTI1-like tyrosine-protein kinase 1 isoform X1	kinase
LOC102597452	galactokinase	kinase
LOC102597465	G-type lectin S-receptor-like serine/threonine-protein kinase At4g03230	kinase
LOC102597551	serine/threonine-protein kinase Nek2	kinase
LOC102597600	uncharacterized sugar kinase slr0537	kinase
LOC102597665	probable LRR receptor-like serine/threonine-protein kinase At1g74360	kinase
LOC102597669	pyridoxal kinase-like isoform X1	kinase
LOC102597674	pyruvate kinase isozyme G, chloroplastic	kinase
LOC102597938	CBL-interacting serine/threonine-protein kinase 24	kinase
LOC102597976	probable receptor-like protein kinase At5g15080 isoform X3	kinase
LOC102597996	ribose-phosphate pyrophosphokinase 1	kinase

LOC102598016	serine/threonine-protein kinase Aurora-2	kinase
LOC102598033	probable serine/threonine-protein kinase Cx32, chloroplastic	kinase
LOC102598051	probable receptor-like protein kinase At1g67000	kinase
LOC102598085	probable leucine-rich repeat receptor-like serine/threonine-protein kinase At5g15730	kinase
LOC102598245	probable L-type lectin-domain containing receptor kinase S.5	kinase
LOC102598338	putative receptor-like protein kinase At3g47110	kinase
LOC102598342	cell division control protein 2 homolog A-like	kinase
LOC102598377	probable LRR receptor-like serine/threonine-protein kinase At3g47570	kinase
LOC102598451	D-glycerate 3-kinase, chloroplastic	kinase
LOC102598473	CBL-interacting serine/threonine-protein kinase 8 isoform X1	kinase
LOC102598544	probable receptor-like serine/threonine-protein kinase At5g57670	kinase
LOC102598593	phosphatidylinositol 4-kinase gamma 7	kinase
LOC102598967	casein kinase I	kinase
LOC102598978	probable receptor-like protein kinase At5g15080	kinase
LOC102598999	CBL-interacting serine/threonine-protein kinase 14-like	kinase
LOC102599321	calmodulin-binding receptor-like cytoplasmic kinase 2	kinase
LOC102599332	uncharacterized protein LOC102599332	kinase
LOC102599347	mitogen-activated protein kinase kinase 9	kinase
LOC102599363	serine/threonine-protein kinase SRK2E-like isoform X1	kinase
LOC102599366	inactive protein kinase SELMODRAFT_444075-like	kinase
LOC102599434	receptor-like kinase TMK4	kinase
LOC102599438	thymidine kinase-like	kinase
LOC102599466	serine/threonine-protein kinase SAPK7-like	kinase
LOC102599584	probable LRR receptor-like serine/threonine-protein kinase At5g10290 isoform X1	kinase
LOC102599670	probable inactive receptor kinase At4g23740	kinase
LOC102599782	guanylate kinase 2-like	kinase
LOC102599868	leucine-rich repeat receptor-like protein kinase PXC1	kinase
LOC102599920	mitogen-activated protein kinase 20 isoform X2	kinase
LOC102599932	serine/threonine-protein kinase 38-like	kinase
LOC102599975	probable LRR receptor-like serine/threonine-protein kinase At1g53430	kinase
LOC102600009	cyclin-dependent protein kinase inhibitor SMR1	kinase
LOC102600036	uridine-cytidine kinase C	kinase
LOC102600211	casein kinase II subunit beta-3-like isoform X1	kinase
LOC102600269	serine/threonine-protein kinase BLUS1-like	kinase
LOC102600490	serine/threonine-protein kinase SRK2B-like isoform X1	kinase
LOC102600492	uncharacterized protein LOC102600492	kinase
LOC102600943	serine/threonine-protein kinase 16-like	kinase
LOC102600955	probable LRR receptor-like serine/threonine-protein kinase At1g14390	kinase
LOC102600959	shaggy-related protein kinase eta	kinase
LOC102601029	receptor-like protein kinase HSL1	kinase
LOC102601048	ribose-phosphate pyrophosphokinase 4	kinase
LOC102601138	cyclin-dependent kinase 11A	kinase

LOC102601171	receptor-like cytosolic serine/threonine-protein kinase RBK1	kinase
LOC102601318	calcium-dependent protein kinase SK5-like	kinase
LOC102601458	probable LRR receptor-like serine/threonine-protein kinase At1g06840	kinase
LOC102601472	methylthioribose kinase	kinase
LOC102601516	uridine kinase-like protein 1, chloroplastic	kinase
LOC102601518	kinase-interacting family protein	kinase
LOC102601544	serine/threonine-protein kinase TOUSLED isoform X2	kinase
LOC102601765	plastidial pyruvate kinase 4, chloroplastic	kinase
LOC102601775	mitogen-activated protein kinase homolog NTF3	kinase
LOC102601871	probable receptor-like protein kinase At2g42960 isoform X2	kinase
LOC102602145	CDPK-related kinase 5-like	kinase
LOC102602158	serine/threonine-protein kinase EDR1 isoform X1	kinase
LOC102602298	CBL-interacting serine/threonine-protein kinase 1-like	kinase
LOC102602307	wall-associated receptor kinase-like 14	kinase
LOC102602427	mitogen-activated protein kinase 15 isoform X1	kinase
LOC102602478	adenylate kinase isoenzyme 6 homolog	kinase
LOC102602509	probable serine/threonine-protein kinase WNK4	kinase
LOC102602523	histidine kinase 5	kinase
LOC102602718	mitogen-activated protein kinase 9-like	kinase
LOC102602736	calcium-dependent protein kinase 7-like	kinase
LOC102602801	probable receptor-like protein kinase At5g15080	kinase
LOC102602988	probable receptor-like protein kinase At5g47070	kinase
LOC102603053	putative serine/threonine-protein kinase	kinase
LOC102603072	uncharacterized protein LOC102603072 isoform X2	kinase
LOC102603450	serine/threonine-protein kinase STY8-like	kinase
LOC102603756	histidine kinase 4	kinase
LOC102603964	mitogen-activated protein kinase kinase 3	kinase
LOC102604043	calcium-dependent protein kinase 4	kinase
LOC102604082	uridine kinase-like protein 3	kinase
LOC102604144	hexokinase-1	kinase
LOC102604171	receptor-like serine/threonine-protein kinase At1g78530 isoform X2	kinase
LOC102604191	receptor-like protein kinase HAIKU2	kinase
LOC102604218	uncharacterized protein LOC102604218	kinase
LOC102604233	receptor-like serine/threonine-protein kinase At2g45590	kinase
LOC102604353	serine/threonine-protein kinase Nek6-like	kinase
LOC102604374	serine/threonine-protein kinase 16-like	kinase
LOC102604375	probable LRR receptor-like serine/threonine-protein kinase At1g74360	kinase
LOC102604383	serine/threonine-protein kinase TOR isoform X1	kinase
LOC102604394	serine/threonine-protein kinase EDR1	kinase
LOC102604482	lysM domain receptor-like kinase 3	kinase
LOC102604626	protein STRUBBELIG-RECEPTOR FAMILY 3 isoform X1	kinase
LOC102604726	nucleoside diphosphate kinase 2, chloroplastic-like	kinase
LOC102604857	adenylate kinase, chloroplastic	kinase
LOC102604903	adenylate kinase isoenzyme 6 homolog	kinase

LOC102604911	CBL-interacting serine/threonine-protein kinase 23	kinase
LOC102604943	probable LRR receptor-like serine/threonine-protein kinase At5g63710 isoform X1	kinase
LOC102605097	probable choline kinase 2 isoform X1	kinase
LOC102605225	CBL-interacting serine/threonine-protein kinase 12-like	kinase
LOC102605445	bifunctional aspartokinase/homoserine dehydrogenase 1, chloroplastic-like	kinase
LOC102605600	PTI1-like tyrosine-protein kinase At3g15890	kinase
LOC102605607	probable receptor-like protein kinase At5g39030	kinase
LOC102605657	U-box domain-containing protein 32 isoform X1	kinase
LOC102605730	phosphoglycerate kinase, chloroplastic-like	kinase
LOC102605817	cyclin-dependent kinase F-4 isoform X1	kinase
LOC102605836	protein kinase 2B, chloroplastic-like	kinase
LOC102605840	uncharacterized protein LOC102605840 isoform X1	kinase
LOC102605873	G-type lectin S-receptor-like serine/threonine-protein kinase RLK1	kinase
LOC102605924	serine/threonine-protein kinase 38-like	kinase
LOC102605959	protein NSP-INTERACTING KINASE 3	kinase
LOC102606065	phosphoglycerate kinase, cytosolic-like	kinase
LOC102606190	serine/threonine-protein kinase ppk1	kinase
LOC102606362	mitogen-activated protein kinase 9-like	kinase
LOC107057660	probable serine/threonine-protein kinase At5g41260	kinase
LOC107057760	probable LRR receptor-like serine/threonine-protein kinase At3g47570	kinase
LOC107060791	probable receptor-like protein kinase At5g39030	kinase
LOC107062771	probable LRR receptor-like serine/threonine-protein kinase At1g53440	kinase
NDPK1	nucleoside diphosphate kinase	kinase
PK	pyruvate kinase, cytosolic isozyme	kinase
R1	alpha-glucan water dikinase, chloroplastic isoform X1	kinase
SERK1	somatic embryogenesis receptor-like kinase 1	kinase
SERK3	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1-like isoform X2	kinase
SNF1	StubSNF1 protein	kinase
ADH1	alcohol dehydrogenase 1	
APX	L-ascorbate peroxidase 3, peroxisomal	
ARD	acireductone dioxygenase	
CAT1	catalase isozyme 1	
C-PHYA	phytochrome A isoform X1	
CYCD3.1	D-type cyclin family 3 subgroup 1	
DHAR	dehydroascorbate reductase-like protein isoform X1	
FLS	flavonol synthase isoform X2	
GMP	GDP-mannose pyrophosphorylase	
LOC102577429	formate dehydrogenase, mitochondrial precursor	
LOC102577431	Hsp90-2-like	
LOC102577437	uncharacterized protein LOC102577437	
LOC102577445	40S ribosomal protein S17-like protein	
LOC102577450	ribulose biphosphate carboxylase small chain 1, chloroplastic-like	

LOC102577458	oxygen-evolving enhancer protein 1, chloroplastic
LOC102577471	ribosome-binding factor PSRP1, chloroplastic
LOC102577476	alcohol dehydrogenase class III-like protein
LOC102577484	60S ribosomal protein L15
LOC102577496	60S ribosomal protein L19-like protein isoform X1
LOC102577501	non-specific lipid transfer protein a7 isoform X1
LOC102577507	calmodulin-1
LOC102577512	DnaJ-like protein
LOC102577525	chaperonin-60 beta subunit
LOC102577526	putative 40S ribosomal protein S8-like protein
LOC102577530	ribosomal protein S7-like protein isoform X1
LOC102577534	cyc07-like protein
LOC102577535	uncharacterized protein LOC102577535
LOC102577548	40S ribosomal protein S3a-like protein
LOC102577551	acidic ribosomal protein P1a-like
LOC102577552	40S ribosomal protein S10-like
LOC102577554	translationally-controlled tumor protein homolog
LOC102577558	cysteine synthase, chloroplastic/chromoplastic
LOC102577564	ribosomal protein L24-like protein
LOC102577567	metallothionein-like protein type 2 B
LOC102577573	cellulose synthase A catalytic subunit 1 [UDP-forming
LOC102577576	asparagine synthetase [glutamine-hydrolyzing
LOC102577581	multiprotein bridging factor 1
LOC102577588	alpha-tubulin-like protein
LOC102577601	60S ribosomal protein L7A-like protein
LOC102577606	putative ubiquitin extension protein
LOC102577621	profilin-like protein
LOC102577640	elongation factor 1-alpha-like protein
LOC102577643	DNA-binding protein-like isoform X1
LOC102577650	glycine-rich protein
LOC102577658	Aux/IAA protein
LOC102577668	uncharacterized protein LOC102577668 isoform X1
LOC102577675	uncharacterized protein LOC102577675
LOC102577682	ribosomal protein PETRP-like
LOC102577686	ADP-ribosylation factor 1-like protein
LOC102577687	ARF-like small GTPase-like protein isoform X1
LOC102577693	uncharacterized protein LOC102577693
LOC102577701	uncharacterized protein LOC102577701
LOC102577710	uncharacterized protein LOC102577710
LOC102577734	ribosomal protein L17-like protein
LOC102577739	uncharacterized protein LOC102577739
LOC102577740	cysteine synthase
LOC102577743	remorin
LOC102577744	uncharacterized protein LOC102577744

LOC102577750	Cu/Zn-superoxide dismutase
LOC102577759	uncharacterized protein LOC102577759
LOC102577776	importin subunit alpha-4
LOC102577779	metallothionein-like protein type 2
LOC102577788	uncharacterized protein LOC102577788
LOC102577793	uncharacterized protein LOC102577793
LOC102577800	ubiquitin carrier-like protein
LOC102577804	eukaryotic translation initiation factor 5A-3
LOC102577813	EBP1
LOC102577827	40S ribosomal protein S19-like
LOC102577830	uncharacterized protein LOC102577830
LOC102577837	uncharacterized protein LOC102577837
LOC102577839	proteinase inhibitor precursor
LOC102577842	uncharacterized LOC102577842
LOC102577873	calmodulin-5/6/7/8
LOC102577916	DNA binding protein ACBF-like
LOC102577921	putative short-chain type alcohol dehydrogenase
LOC102577923	NAD-dependent epimerase/dehydratase family protein-like protein
LOC102577927	metallothionein-like protein type 2 A isoform X2
LOC102578147	elongation factor 1-gamma 2-like isoform X1
LOC102578158	glycine-rich protein A3
LOC102578207	dual specificity phosphatase Cdc25
LOC102578347	photosystem I reaction center subunit VI-2, chloroplastic
LOC102578364	ferric reduction oxidase 2-like
LOC102578404	ubiquitin-fold modifier 1
LOC102578468	small ubiquitin-related modifier 1
LOC102578496	snakin-1-like
LOC102578499	ATP synthase subunit epsilon, mitochondrial-like
LOC102578553	protein CWC15 homolog
LOC102578565	2-isopropylmalate synthase A
LOC102578588	60S ribosomal protein L19-3-like
LOC102578677	60S ribosomal protein L37-2
LOC102578695	E3 ubiquitin-protein ligase RNF170-like
LOC102578706	3-ketoacyl-CoA thiolase 2, peroxisomal
LOC102578739	peptidyl-prolyl cis-trans isomerase CYP23 isoform X1
LOC102578813	nuclear transport factor 2
LOC102578820	protein SDE2 homolog
LOC102578902	S-adenosylmethionine synthase 2
LOC102578903	cyanate hydratase
LOC102578986	histone H2B.2
LOC102579021	protein SPIRAL1-like 1
LOC102579090	uncharacterized protein DDB_G0275933
LOC102579149	glycine-rich RNA-binding protein 2, mitochondrial-like
LOC102579244	proteinase inhibitor type-2-like

LOC102579263	ribonuclease P protein subunit p25-like protein isoform X2
LOC102579290	conserved oligomeric Golgi complex subunit 8
LOC102579312	cytochrome P450 CYP72A219-like
LOC102579366	sm-like protein LSM5
LOC102579368	protein BOLA1, chloroplastic
LOC102579439	RNA-binding protein pno1
LOC102579458	60S ribosomal protein L7a-2-like
LOC102579473	calmodulin-7
LOC102579578	uncharacterized protein LOC102579578
LOC102579598	serine/arginine-rich splicing factor SR45a-like
LOC102579678	uncharacterized protein LOC102579678
LOC102579708	protein decapping 5
LOC102579828	30S ribosomal protein S16
LOC102579915	monosaccharide-sensing protein 2
LOC102580040	uncharacterized protein LOC102580040
LOC102580050	R3H domain-containing protein 2
LOC102580084	60S ribosomal protein L10-like
LOC102580154	40S ribosomal protein S26-3-like
LOC102580163	magnesium transporter MRS2-3
LOC102580205	SNAP25 homologous protein SNAP33-like
LOC102580207	ubiquitin-conjugating enzyme E2 variant 1B-like
LOC102580230	elongation factor 1-gamma 2-like
LOC102580248	D-3-phosphoglycerate dehydrogenase 3, chloroplastic-like
LOC102580272	ubiquitin-like protein 5
LOC102580273	eukaryotic translation initiation factor 1A-like
LOC102580386	AMP deaminase
LOC102580390	60S ribosomal protein L17-1-like
LOC102580391	NADH dehydrogenase [ubiquinone
LOC102580406	ankyrin repeat domain-containing protein 2B-like
LOC102580608	protein translation factor SUI1 homolog
LOC102580631	NADH dehydrogenase [ubiquinone
LOC102580651	endoglucanase 25-like
LOC102580731	60S ribosomal protein L17-1-like
LOC102580746	uncharacterized protein LOC102580746
LOC102580753	phospholipase A1-Igamma2, chloroplastic-like
LOC102580779	acetyltransferase At1g77540
LOC102580838	copper transport protein ATX1-like isoform X2
LOC102580858	anther-specific protein LAT52-like
LOC102580937	ubiquitin-conjugating enzyme E2-17 kDa-like isoform X1
LOC102580941	uncharacterized protein LOC102580941
LOC102580942	uncharacterized protein LOC102580942
LOC102580945	uncharacterized protein LOC102580945
LOC102580952	NADP-dependent malic enzyme
LOC102580973	isopentenyl-diphosphate Delta-isomerase I-like

LOC102581010	DNA-directed RNA polymerases II, IV and V subunit 11
LOC102581028	40S ribosomal protein S21-2
LOC102581045	translationally-controlled tumor protein homolog
LOC102581075	28 kDa heat- and acid-stable phosphoprotein
LOC102581260	transmembrane protein 234 homolog
LOC102581270	rho GTPase-activating protein 7-like isoform X2
LOC102581294	calreticulin-3-like
LOC102581304	peptidyl-prolyl cis-trans isomerase FKBP15-1-like precursor
LOC102581306	cytochrome b5 isoform E-like
LOC102581332	60S ribosomal protein L29-2-like
LOC102581338	probable calcium-binding protein CML45
LOC102581374	aquaporin PIP1-1
LOC102581405	auxin-repressed 12.5 kDa protein-like
LOC102581428	photosystem II reaction center W protein, chloroplastic
LOC102581486	basic salivary proline-rich protein 2-like
LOC102581491	cysteine proteinase 15A-like
LOC102581493	increased DNA methylation 3
LOC102581522	histone H3.2
LOC102581547	40S ribosomal protein S14-2-like
LOC102581655	cytosolic endo-beta-N-acetylglucosaminidase 1 isoform X1
LOC102581781	40S ribosomal protein S2-4-like
LOC102581783	transmembrane protein 18
LOC102581830	60S ribosomal protein L18a-like
LOC102581918	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 4A
LOC102581950	14-3-3 protein 7
LOC102581970	isocitrate lyase
LOC102581985	ferritin-2, chloroplastic-like
LOC102582109	serine/arginine-rich splicing factor RSZ22-like isoform X2
LOC102582111	uncharacterized protein LOC102582111
LOC102582157	probable histone H2A.1
LOC102582176	40S ribosomal protein S13-like
LOC102582177	probable small nuclear ribonucleoprotein G
LOC102582196	cytochrome c
LOC102582212	la-related protein 6A
LOC102582238	profilin
LOC102582252	probable small nuclear ribonucleoprotein G
LOC102582324	two-component response regulator-like APRR1
LOC102582349	succinate dehydrogenase subunit 6, mitochondrial-like
LOC102582373	uncharacterized protein LOC102582373
LOC102582385	internal alternative NAD(P)H-ubiquinone oxidoreductase A1, mitochondrial-like
LOC102582594	probable ribosome biogenesis protein RLP24
LOC102582643	uncharacterized protein LOC102582643
LOC102582696	40S ribosomal protein S23

LOC102582708	uncharacterized protein LOC102582708
LOC102582754	60S ribosomal protein L29-2
LOC102582763	40S ribosomal protein S30
LOC102582822	low-temperature-induced cysteine proteinase-like precursor
LOC102582827	SUMO-conjugating enzyme SCE1-like
LOC102582925	50S ribosomal protein L33-like
LOC102582943	60S ribosomal protein L22-3
LOC102583008	cytochrome c oxidase subunit 6a, mitochondrial
LOC102583085	probable U6 snRNA-associated Sm-like protein LSm4-like
LOC102583107	glutathione S-transferase
LOC102583160	40S ribosomal protein S28
LOC102583169	UPF0057 membrane protein At4g30660-like
LOC102583190	G patch domain and ankyrin repeat-containing protein 1
LOC102583223	60S ribosomal protein L30-like
LOC102583237	cyclin-B1-2-like
LOC102583272	auxin-repressed 12.5 kDa protein-like
LOC102583352	histone deacetylase complex subunit SAP18
LOC102583372	ubiquitin-conjugating enzyme E2 2-like
LOC102583424	60S ribosomal protein L31
LOC102583427	probable prefoldin subunit 3 isoform X2
LOC102583499	60S ribosomal protein L8-like
LOC102583606	probable chalcone--flavonone isomerase 3
LOC102583636	uncharacterized protein LOC102583636
LOC102583648	40S ribosomal protein S6
LOC102583665	uncharacterized protein LOC102583665
LOC102583699	cytochrome b-c1 complex subunit 8
LOC102583757	uncharacterized protein LOC102583757
LOC102583872	probable steroid-binding protein 3
LOC102583896	nascent polypeptide-associated complex subunit alpha-like protein 1
LOC102583906	histone H1
LOC102583914	25.3 kDa vesicle transport protein-like
LOC102583969	protoporphyrinogen oxidase, chloroplastic-like
LOC102584001	1-aminocyclopropane-1-carboxylate oxidase 4
LOC102584024	probable non-specific lipid-transfer protein AKCS9-like precursor
LOC102584045	40S ribosomal protein S8-2
LOC102584076	putative phosphatidylglycerol/phosphatidylinositol transfer protein DDB_G0282179
LOC102584195	dynamamin-related protein 1E
LOC102584296	delta(24)-sterol reductase-like isoform X1
LOC102584347	signal peptidase complex subunit 3B-like
LOC102584366	60S ribosomal protein L31-like
LOC102584420	60S ribosomal protein L14-1
LOC102584430	protein trichome birefringence-like 33
LOC102584564	cell division protein FtsZ homolog 2-2, chloroplastic-like isoform X1

LOC102584617	40S ribosomal protein S9-2
LOC102584651	40S ribosomal protein S20-2
LOC102584826	60S ribosomal protein L13a-4-like
LOC102584890	40S ribosomal protein S11
LOC102584897	40S ribosomal protein S6-1-like
LOC102584902	histone H3.3
LOC102584908	60S ribosomal protein L11-2-like
LOC102584914	calmodulin-binding protein 60 A-like isoform X1
LOC102584937	40S ribosomal protein S9-2-like isoform X2
LOC102584942	kirola-like
LOC102584958	uncharacterized protein LOC102584958
LOC102584969	actin-7
LOC102584982	60S ribosomal protein L11-1
LOC102585012	protein INVOLVED IN DE NOVO 2
LOC102585048	nuclear/nucleolar GTPase 2-like
LOC102585142	26S proteasome non-ATPase regulatory subunit 1 homolog A
LOC102585145	polyadenylate-binding protein 8-like
LOC102585183	uncharacterized protein LOC102585183
LOC102585207	40S ribosomal protein S11-like
LOC102585290	peptidyl-prolyl cis-trans isomerase NIMA-interacting 4
LOC102585326	uncharacterized protein LOC102585326 isoform X4
LOC102585385	60S acidic ribosomal protein P1-like
LOC102585421	ethylene-responsive proteinase inhibitor 1
LOC102585461	transcription elongation factor 1 homolog
LOC102585474	probable E3 ubiquitin ligase SUD1 isoform X2
LOC102585523	60S ribosomal protein L34-like
LOC102585572	60S ribosomal protein L18-2
LOC102585706	aquaporin PIP2-1-like isoform X2
LOC102585750	transmembrane 9 superfamily member 7-like
LOC102585767	actin-depolymerizing factor 1
LOC102585904	uncharacterized protein LOC102585904
LOC102585991	remorin-like
LOC102586017	60S ribosomal protein L37-3
LOC102586268	60S ribosomal protein L27a-3-like
LOC102586281	60S ribosomal protein L35a-2
LOC102586304	60S ribosomal protein L34
LOC102586381	serine/threonine protein phosphatase 2A 55 kDa regulatory subunit B beta isoform-like isoform X1
LOC102586389	ubiquitin-60S ribosomal protein L40
LOC102586408	late embryogenesis abundant protein Lea5-like
LOC102586422	tubulin beta-5 chain
LOC102586427	peptidyl-prolyl cis-trans isomerase-like
LOC102586428	protein GLE1
LOC102586492	KH domain-containing protein At1g09660/At1g09670

LOC102586496	cell wall / vacuolar inhibitor of fructosidase 1-like
LOC102586499	thioredoxin-like protein YLS8
LOC102586510	sucrose synthase-like
LOC102586581	chlorophyll a-b binding protein 6A, chloroplastic
LOC102586619	polyubiquitin-like
LOC102586714	uncharacterized protein LOC102586714
LOC102586719	60S ribosomal protein L35 isoform X2
LOC102586746	translocon-associated protein subunit beta-like precursor
LOC102586753	elicitor-responsive protein 3
LOC102586829	60S ribosomal protein L39-3-like
LOC102586869	eukaryotic translation initiation factor 5A-4
LOC102586972	NAP1-related protein 2-like
LOC102586978	ADP-ribosylation factor 2 isoform X2
LOC102587010	histone H2A-like
LOC102587043	non-specific lipid-transfer protein 1-like
LOC102587055	vesicle-associated protein 1-2-like
LOC102587138	protein SPIRAL1-like 1
LOC102587142	glycine-rich RNA-binding protein blt801-like isoform X3
LOC102587164	cytochrome P450 CYP72A219-like
LOC102587173	probable NAD(P)H dehydrogenase (quinone) FQR1-like 3
LOC102587179	protein translation factor SUI1 homolog
LOC102587193	protein CutA, chloroplastic
LOC102587205	uncharacterized protein LOC102587205
LOC102587303	uncharacterized protein LOC102587303 isoform X2
LOC102587313	NADH dehydrogenase [ubiquinone
LOC102587445	ubiquitin-like protein ATG12 isoform X1
LOC102587452	60S ribosomal protein L7-4
LOC102587469	60S ribosomal protein L23
LOC102587479	probable methyltransferase PMT24
LOC102587499	glycine-rich RNA-binding protein GRP1A-like isoform X2
LOC102587502	pleckstrin homology domain-containing protein 1
LOC102587601	60S ribosomal protein L13a-4
LOC102587603	uncharacterized protein LOC102587603
LOC102587609	NADH dehydrogenase [ubiquinone
LOC102587611	selenoprotein K homolog
LOC102587619	histone H3.3
LOC102587729	formate--tetrahydrofolate ligase
LOC102587736	U4/U6 small nuclear ribonucleoprotein Prp31
LOC102587738	spermidine synthase-like
LOC102587866	transcription elongation factor 1 homolog
LOC102587902	uncharacterized protein At2g34460, chloroplastic-like
LOC102587907	uncharacterized protein LOC102587907
LOC102587925	cytochrome b5-like
LOC102587932	polyubiquitin-like

LOC102587936	stress-associated endoplasmic reticulum protein 2
LOC102588004	uncharacterized protein LOC102588004
LOC102588074	NADH dehydrogenase [ubiquinone
LOC102588076	60S ribosomal protein L37a
LOC102588127	60S acidic ribosomal protein P2-like
LOC102588174	superoxide dismutase [Fe
LOC102588200	uncharacterized protein LOC102588200
LOC102588229	50S ribosomal protein L34, chloroplastic
LOC102588296	probable protein phosphatase 2C 27
LOC102588364	uncharacterized protein LOC102588364 isoform X1
LOC102588437	iron-sulfur cluster assembly protein 1-like
LOC102588490	transmembrane protein 258
LOC102588515	uncharacterized protein LOC102588515
LOC102588570	polyubiquitin-like
LOC102588653	pre-mRNA-processing protein 40A-like isoform X2
LOC102588687	phospholipase D alpha 1-like
LOC102588710	non-specific lipid-transfer protein 2-like
LOC102588736	ORM1-like protein 3
LOC102588776	ubiquitin-conjugating enzyme E2 7-like
LOC102588808	ubiquitin-conjugating enzyme E2 10-like
LOC102588814	uncharacterized protein At2g34160-like
LOC102588872	60S ribosomal protein L26-1
LOC102588879	60S ribosomal protein L23a-like
LOC102588906	autophagy-related protein 8i-like
LOC102588930	40S ribosomal protein S15a-1
LOC102589010	40S ribosomal protein S20-2-like
LOC102589029	protein EXECUTER 1, chloroplastic
LOC102589033	60S ribosomal protein L32-1-like
LOC102589113	cell division cycle protein 48 homolog
LOC102589130	uncharacterized protein LOC102589130
LOC102589207	cold-regulated 413 plasma membrane protein 2-like
LOC102589285	40S ribosomal protein S7
LOC102589310	phosphomannomutase
LOC102589318	syntaxin-132-like isoform X1
LOC102589332	NEDD8-conjugating enzyme Ubc12-like
LOC102589351	aconitate hydratase, cytoplasmic
LOC102589364	60S ribosomal protein L35a-3-like isoform X1
LOC102589371	BURP domain-containing protein 3-like
LOC102589399	uncharacterized protein LOC102589399
LOC102589413	ubiquitin-60S ribosomal protein L40
LOC102589455	NADH dehydrogenase [ubiquinone
LOC102589494	uncharacterized protein LOC102589494
LOC102589511	classical arabinogalactan protein 5
LOC102589540	60S ribosomal protein L5-like

LOC102589601	60S ribosomal protein L12
LOC102589666	peptidyl-prolyl cis-trans isomerase CYP19-4
LOC102589670	beta-xylosidase/alpha-L-arabinofuranosidase 2-like
LOC102589825	V-type proton ATPase subunit G 1-like
LOC102589834	uncharacterized protein LOC102589834
LOC102589849	40S ribosomal protein S23
LOC102589877	N-alpha-acetyltransferase 40 isoform X3
LOC102589937	glycine-rich protein 2-like
LOC102589940	uncharacterized protein LOC102589940
LOC102589971	60S ribosomal protein L44
LOC102590063	NADH dehydrogenase [ubiquinone
LOC102590152	probable aminotransferase TAT2
LOC102590160	ATP synthase subunit epsilon, mitochondrial
LOC102590187	probable carboxylesterase 18
LOC102590282	40S ribosomal protein S15-like
LOC102590298	histone H4
LOC102590329	protein bfr2-like
LOC102590343	60S ribosomal protein L37-like
LOC102590349	cold and drought-regulated protein CORA-like
LOC102590529	40S ribosomal protein S24-1
LOC102590530	ubiquitin-40S ribosomal protein S27a-like
LOC102590551	tobamovirus multiplication protein 3
LOC102590570	uncharacterized protein LOC102590570
LOC102590620	apyrase-like
LOC102590623	macrophage migration inhibitory factor homolog
LOC102590635	mitochondrial import receptor subunit TOM6 homolog
LOC102590681	cold-regulated 413 inner membrane protein 2, chloroplastic
LOC102590765	uncharacterized protein LOC102590765
LOC102590809	lipxygenase homology domain-containing protein 1-like
LOC102590824	NADH dehydrogenase [ubiquinone
LOC102590834	uncharacterized protein LOC102590834
LOC102590846	ADP-ribosylation factor 1
LOC102590882	histone deacetylase HDT2
LOC102590907	uncharacterized protein LOC102590907 precursor
LOC102590919	UDP-glucose 6-dehydrogenase 2
LOC102590963	photosystem I reaction center subunit VI, chloroplastic-like
LOC102590998	basic endochitinase
LOC102590999	uncharacterized protein LOC102590999
LOC102591070	SKP1-like protein 1B
LOC102591097	uncharacterized protein At2g23090-like
LOC102591116	dnaJ protein homolog 2-like isoform X1
LOC102591163	uncharacterized protein LOC102591163
LOC102591250	trafficking protein particle complex subunit 6B isoform X1
LOC102591276	LOW QUALITY PROTEIN: ABC transporter F family member 4-like

LOC102591316	60S ribosomal protein L14-1-like
LOC102591325	NADH-ubiquinone oxidoreductase 20.9 kDa subunit
LOC102591467	uncharacterized protein LOC102591467
LOC102591564	SUMO-conjugating enzyme UBC9-like isoform X1
LOC102591615	glutaredoxin-C4
LOC102591817	RNA-binding protein 26-like isoform X2
LOC102591819	NADH dehydrogenase [ubiquinone
LOC102591827	40S ribosomal protein S21-like
LOC102591890	probable aquaporin TIP1-1
LOC102591942	membrane-anchored ubiquitin-fold protein 2
LOC102591954	small nuclear ribonucleoprotein Sm D2
LOC102591978	cytochrome b-c1 complex subunit Rieske, mitochondrial-like
LOC102591989	probable 26S proteasome complex subunit sem1-1
LOC102592080	nipped-B-like protein B isoform X1
LOC102592105	V-type proton ATPase 16 kDa proteolipid subunit
LOC102592119	polyadenylate-binding protein RBP45
LOC102592146	NADH dehydrogenase [ubiquinone
LOC102592155	40S ribosomal protein S21-like
LOC102592197	hornerin-like
LOC102592209	protein transport protein Sec61 subunit beta-like
LOC102592290	SKP1-like protein 1B
LOC102592304	dehydrogenase/reductase SDR family member 4
LOC102592347	heat shock cognate 70 kDa protein 1
LOC102592368	probable histone H2AXb
LOC102592453	60S ribosomal protein L44
LOC102592477	uncharacterized protein LOC102592477
LOC102592556	4-hydroxy-3-methylbut-2-enyl diphosphate reductase, chloroplastic-like
LOC102592597	vacuolar iron transporter 1
LOC102592684	protein SPIRAL1-like 1
LOC102592706	DNA-binding protein DDB_G0278111
LOC102592709	2-methyl-6-phytyl-1,4-hydroquinone methyltransferase, chloroplastic-like
LOC102592795	40S ribosomal protein S29
LOC102592806	uncharacterized protein LOC102592806
LOC102592888	signal peptidase complex catalytic subunit SEC11A-like
LOC102592900	photosystem I reaction center subunit XI, chloroplastic-like
LOC102592906	microsomal glutathione S-transferase 3
LOC102593024	ubiquitin-40S ribosomal protein S27a-like
LOC102593041	mitochondrial dicarboxylate/tricarboxylate transporter DTC-like
LOC102593046	probable mannitol dehydrogenase
LOC102593072	elongation factor 1-beta 2-like
LOC102593103	photosystem II 22 kDa protein, chloroplastic
LOC102593129	histone H2B.1-like
LOC102593153	extra-large guanine nucleotide-binding protein 3
LOC102593155	oxalate--CoA ligase-like

LOC102593157	kunitz-type serine protease inhibitor DrTI-like
LOC102593185	serine/arginine-rich splicing factor RS41-like isoform X2
LOC102593227	signal peptidase complex catalytic subunit SEC11A-like
LOC102593291	60S acidic ribosomal protein P3-like
LOC102593294	CLK4-associating serine/arginine rich protein
LOC102593327	organ-specific protein S2-like
LOC102593389	translocase of chloroplast 34, chloroplastic
LOC102593443	uncharacterized protein LOC102593443 isoform X2
LOC102593463	THO complex subunit 4D isoform X1
LOC102593540	3-ketoacyl-CoA synthase 4
LOC102593585	probable 60S ribosomal protein L14
LOC102593694	small nuclear ribonucleoprotein Sm D1-like
LOC102593897	uncharacterized protein At5g22580-like
LOC102593964	60S ribosomal protein L37a
LOC102593982	small ubiquitin-related modifier 1-like
LOC102593993	CASP-like protein 4D1
LOC102594065	uncharacterized protein LOC102594065
LOC102594074	chlorophyll a-b binding protein 4, chloroplastic
LOC102594083	40S ribosomal protein S9-2-like
LOC102594103	15.7 kDa heat shock protein, peroxisomal
LOC102594153	acetyl-coenzyme A synthetase, chloroplastic/glyoxysomal
LOC102594156	syntaxin-132-like
LOC102594249	cysteine protease inhibitor 1-like
LOC102594254	pollen-specific protein C13-like
LOC102594293	protochlorophyllide reductase-like
LOC102594299	BTB/POZ domain-containing protein At5g41330
LOC102594303	FACT complex subunit SSRP1-like
LOC102594384	calmodulin-like
LOC102594497	multiprotein-bridging factor 1-like isoform X2
LOC102594501	HMG1/2-like protein
LOC102594555	ATP-dependent Clp protease ATP-binding subunit ClpA homolog CD4A, chloroplastic-like
LOC102594627	carboxypeptidase A6
LOC102594641	60S ribosomal protein L5-like
LOC102594659	serine/threonine-protein phosphatase 4 regulatory subunit 2
LOC102594671	eukaryotic translation initiation factor 5A-1/2
LOC102594790	chlorophyll a-b binding protein 7, chloroplastic
LOC102594807	uncharacterized protein LOC102594807
LOC102594892	luminal-binding protein 5
LOC102594897	uncharacterized protein LOC102594897
LOC102594935	cytochrome b5-like
LOC102594981	uncharacterized protein LOC102594981
LOC102594986	uncharacterized LOC102594986 isoform X1
LOC102595005	protein-tyrosine-phosphatase PTP1

LOC102595051	60S ribosomal protein L30
LOC102595055	40S ribosomal protein S14-2
LOC102595103	glutamine synthetase cytosolic isozyme 1-1
LOC102595124	peptidyl-prolyl cis-trans isomerase FKBP12
LOC102595149	protein CURVATURE THYLAKOID 1A, chloroplastic-like
LOC102595232	GTP-binding nuclear protein Ran2
LOC102595281	uncharacterized protein LOC102595281
LOC102595348	polyadenylate-binding protein RBP47-like
LOC102595460	kirola-like
LOC102595471	thioredoxin H2
LOC102595490	L-ascorbate oxidase homolog
LOC102595510	60S ribosomal protein L15-like
LOC102595511	SUMO-conjugating enzyme SCE1-like
LOC102595543	protein BUD31 homolog 1-like
LOC102595553	eukaryotic translation initiation factor 3 subunit C-like
LOC102595558	gamma aminobutyrate transaminase 2
LOC102595592	ubiquitin-60S ribosomal protein L40
LOC102595594	uncharacterized protein OsI_027940
LOC102595602	ultraviolet-B receptor UVR8-like isoform X3
LOC102595604	histone deacetylase HDT1
LOC102595674	uncharacterized protein LOC102595674
LOC102595694	eukaryotic translation initiation factor 3 subunit C-like
LOC102595704	eukaryotic translation initiation factor 1A-like
LOC102595780	wound-induced basic protein
LOC102595835	probable aquaporin PIP-type pTOM75
LOC102595871	ABC transporter E family member 2
LOC102595901	40S ribosomal protein S24-1
LOC102595943	enolase-like isoform X1
LOC102596015	uncharacterized protein LOC102596015
LOC102596036	glycine-rich protein-like isoform X2
LOC102596046	proteasome subunit alpha type-7-like
LOC102596071	SKP1-like protein 1B
LOC102596091	pre-mRNA-splicing factor 38B
LOC102596122	linoleate 13S-lipoxygenase 2-1, chloroplastic
LOC102596195	putative lipid-transfer protein DIR1
LOC102596217	peroxidase 42-like
LOC102596237	tubby-like F-box protein 8
LOC102596259	26S protease regulatory subunit 8 homolog A
LOC102596339	uncharacterized protein LOC102596339
LOC102596366	protein CURVATURE THYLAKOID 1A, chloroplastic-like
LOC102596435	ribulose biphosphate carboxylase/oxygenase activase, chloroplastic
LOC102596451	DNA-directed RNA polymerases I, II, and III subunit RPABC5
LOC102596467	tubulin alpha chain
LOC102596523	glutamyl-tRNA reductase 1, chloroplastic

LOC102596561	60S ribosomal protein L26-1-like
LOC102596593	60S ribosomal protein L24-like
LOC102596594	glycine-rich cell wall structural protein-like isoform X1
LOC102596615	aquaporin TIP2-1-like
LOC102596652	protein SMG7-like isoform X1
LOC102596701	uncharacterized protein LOC102596701
LOC102596710	mitochondrial protein pet191 homolog
LOC102596766	alpha-1,4 glucan phosphorylase L-1 isozyme, chloroplastic/amyloplastic-like
LOC102596779	protein transport protein Sec61 subunit gamma-1
LOC102596814	uncharacterized protein LOC102596814
LOC102596885	60S ribosomal protein L9-1-like
LOC102596967	thylakoid lumenal 16.5 kDa protein, chloroplastic
LOC102597208	60S ribosomal protein L27
LOC102597278	60S ribosomal protein L34-like
LOC102597394	uncharacterized monothiol glutaredoxin ycf64-like
LOC102597496	40S ribosomal protein S5
LOC102597505	6-phosphogluconate dehydrogenase, decarboxylating 3-like
LOC102597534	UDP-D-apirose/UDP-D-xylose synthase 2-like
LOC102597609	phosphatidylinositol N-acetylglucosaminyltransferase subunit A
LOC102597633	non-specific lipid-transfer protein 2
LOC102597648	uncharacterized membrane protein At4g09580
LOC102597653	serine/arginine-rich splicing factor 2-like isoform X1
LOC102597693	ultraviolet-B receptor UVR8
LOC102597721	ankyrin repeat-containing protein At3g12360
LOC102597770	40S ribosomal protein S15a-1
LOC102597868	putative aminoacrylate hydrolase RutD
LOC102597952	non-specific lipid-transfer protein 1
LOC102597987	putative membrane peptidase YdiL isoform X1
LOC102598025	60S ribosomal protein L36-2-like
LOC102598040	60S ribosomal protein L35
LOC102598069	60S ribosomal protein L3-like
LOC102598083	50S ribosomal protein L18
LOC102598121	RWD domain-containing protein 1 isoform X1
LOC102598158	protein NRT1/ PTR FAMILY 6.2-like
LOC102598163	uncharacterized protein LOC102598163
LOC102598170	40S ribosomal protein S12-like
LOC102598242	60S ribosomal protein L21-2
LOC102598289	protein BOLA2
LOC102598344	phospholipase A1-II 1-like
LOC102598357	uncharacterized protein LOC102598357
LOC102598404	annexin D1-like
LOC102598409	dehydrin HIRD11-like
LOC102598437	heterodimeric geranylgeranyl pyrophosphate synthase small subunit, chloroplastic-like

LOC102598454	probable steroid-binding protein 3
LOC102598457	luminal-binding protein
LOC102598496	ubiquitin carboxyl-terminal hydrolase isozyme L3-like isoform X2
LOC102598507	60S ribosomal protein L36-2-like
LOC102598514	protein ABIL3
LOC102598556	suppressor of RPS4-RLD 1
LOC102598559	ABC transporter F family member 1
LOC102598667	ubiquitin-related modifier 1 homolog 1
LOC102598690	uncharacterized protein LOC102598690
LOC102598741	uncharacterized protein LOC102598741
LOC102598788	glycine cleavage system H protein, mitochondrial-like
LOC102598817	inositol-3-phosphate synthase
LOC102598836	actin-depolymerizing factor 2-like
LOC102598879	60S ribosomal protein L23
LOC102598959	uncharacterized protein LOC102598959
LOC102598996	thiamine thiazole synthase 1, chloroplastic
LOC102599025	organ-specific protein S2-like isoform X1
LOC102599049	60S ribosomal protein L30-like
LOC102599106	thioredoxin H-type 2-like
LOC102599168	actin-7-like
LOC102599211	peptidyl-prolyl cis-trans isomerase Pin1-like
LOC102599247	uncharacterized protein LOC102599247 isoform X1
LOC102599255	uncharacterized protein LOC102599255
LOC102599273	cytochrome c oxidase subunit 5C-2
LOC102599310	fruit-specific protein-like
LOC102599327	40S ribosomal protein S26-3-like
LOC102599342	SUMO-conjugating enzyme UBC9-like
LOC102599353	calmodulin
LOC102599485	putative lactoylglutathione lyase
LOC102599549	60S ribosomal protein L10a-1
LOC102599569	CBS domain-containing protein CBSX3, mitochondrial
LOC102599598	60S acidic ribosomal protein P2-2
LOC102599656	40S ribosomal protein S3-2-like
LOC102599862	uncharacterized protein LOC102599862
LOC102599913	40S ribosomal protein S13
LOC102599917	40S ribosomal protein S27-2
LOC102599926	40S ribosomal protein S29
LOC102599990	transmembrane protein 147
LOC102600005	uncharacterized protein LOC102600005
LOC102600083	60S ribosomal protein L22-3-like
LOC102600107	elongation factor 1-alpha
LOC102600126	DDT domain-containing protein DDB_G0282237
LOC102600146	40S ribosomal protein S24-1
LOC102600232	coiled-coil domain-containing protein 124

LOC102600245	uncharacterized protein LOC102600245
LOC102600252	40S ribosomal protein S27-2 isoform X2
LOC102600285	40S ribosomal protein S6-like
LOC102600377	NADH dehydrogenase [ubiquinone
LOC102600408	cytochrome b-c1 complex subunit 6
LOC102600409	ferredoxin-1, chloroplastic
LOC102600463	60S ribosomal protein L12-like
LOC102600468	60S ribosomal protein L6-like
LOC102600470	tetraspanin-3-like
LOC102600488	calvin cycle protein CP12-1, chloroplastic
LOC102600503	acetolactate synthase small subunit 1, chloroplastic
LOC102600527	uncharacterized protein LOC102600527
LOC102600569	40S ribosomal protein S16-like
LOC102600598	ubiquitin-60S ribosomal protein L40
LOC102600759	adenine phosphoribosyltransferase 1-like
LOC102600770	60S ribosomal protein L39-3-like
LOC102600827	40S ribosomal protein S25-2
LOC102600849	NAD(P)H-quinone oxidoreductase subunit L, chloroplastic
LOC102600899	H/ACA ribonucleoprotein complex subunit 2-like protein
LOC102600958	60S ribosomal protein L27-3
LOC102601012	ribosome biogenesis protein NSA2 homolog
LOC102601093	chlorophyll a-b binding protein 8, chloroplastic
LOC102601109	cysteine proteinase inhibitor A-like
LOC102601168	sulfite reductase 1 [ferredoxin
LOC102601170	50S ribosomal protein L20
LOC102601183	uncharacterized protein LOC102601183
LOC102601194	uncharacterized protein LOC102601194
LOC102601196	bifunctional dTDP-4-dehydrorhamnose 3,5-epimerase/dTDP-4-dehydrorhamnose reductase
LOC102601229	ribulose biphosphate carboxylase small chain 2C, chloroplastic
LOC102601259	bifunctional aspartate aminotransferase and glutamate/aspartate-prephenate aminotransferase
LOC102601272	15 kDa selenoprotein
LOC102601303	cellulose synthase-like protein G1
LOC102601388	uncharacterized protein LOC102601388
LOC102601402	60S ribosomal protein L6-like
LOC102601462	uncharacterized protein LOC102601462
LOC102601474	uncharacterized protein LOC102601474
LOC102601557	40S ribosomal protein S16-like
LOC102601623	60S ribosomal protein L37a
LOC102601684	uncharacterized protein At2g27730, mitochondrial
LOC102601700	polygalacturonase-1 non-catalytic subunit beta
LOC102601715	uncharacterized protein LOC102601715
LOC102601725	S-adenosylmethionine decarboxylase proenzyme

LOC102601848	60S ribosomal protein L18a-like
LOC102601867	putative calcium-binding protein CML19
LOC102601882	U1 small nuclear ribonucleoprotein 70 kDa isoform X2
LOC102601892	endoplasmin homolog
LOC102601988	SKP1-like protein 1B
LOC102601997	adenosylhomocysteinase
LOC102602034	oxygen-evolving enhancer protein 3-2, chloroplastic
LOC102602105	50S ribosomal protein L11
LOC102602148	60S ribosomal protein L18a-like
LOC102602203	protein EARLY RESPONSIVE TO DEHYDRATION 15
LOC102602216	uncharacterized protein LOC102602216
LOC102602224	photosystem I subunit O
LOC102602277	uncharacterized protein LOC102602277
LOC102602286	uncharacterized protein LOC102602286 isoform X1
LOC102602306	universal stress protein A-like protein
LOC102602308	hyoscyamine 6-dioxygenase
LOC102602341	photosystem I reaction center subunit psaK, chloroplastic isoform X2
LOC102602387	photosystem II 5 kDa protein, chloroplastic-like
LOC102602398	mitochondrial pyruvate carrier 4
LOC102602430	furcatin hydrolase
LOC102602475	histone H2B.3-like
LOC102602525	serine/threonine-protein phosphatase 4 regulatory subunit 3 isoform X2
LOC102602528	LOW QUALITY PROTEIN: linoleate 9S-lipoxygenase 6-like
LOC102602571	putative clathrin assembly protein At2g25430
LOC102602813	small ubiquitin-related modifier 2-like
LOC102602832	photosystem I reaction center subunit XI, chloroplastic
LOC102602949	probable alkaline/neutral invertase D
LOC102602963	protein PROTON GRADIENT REGULATION 5, chloroplastic
LOC102603011	heterogeneous nuclear ribonucleoprotein A2 homolog 1-like
LOC102603203	uncharacterized protein LOC102603203
LOC102603259	cysteine-rich and transmembrane domain-containing protein A-like
LOC102603293	photosystem I reaction center subunit N, chloroplastic
LOC102603301	60S ribosomal protein L36-2-like isoform X1
LOC102603317	titin isoform X5
LOC102603439	chaperone protein DnaJ isoform X1
LOC102603576	40S ribosomal protein S28-like
LOC102603581	uncharacterized protein At2g23090-like
LOC102603592	probable phospholipid hydroperoxide glutathione peroxidase
LOC102603624	heat shock cognate 70 kDa protein 2
LOC102603639	uncharacterized protein LOC102603639
LOC102603663	glutamine synthetase, chloroplastic-like
LOC102603686	60S ribosomal protein L32-1-like
LOC102603715	protein transport protein Sec61 subunit gamma-1-like
LOC102603766	cation transport regulator-like protein 2-like

LOC102603777	uncharacterized protein LOC102603777 isoform X1
LOC102603841	small EDRK-rich factor 2
LOC102603904	ATP synthase subunit d, mitochondrial-like
LOC102603929	probable xyloglucan endotransglucosylase/hydrolase 1
LOC102603937	cyclic nucleotide-gated ion channel 1-like
LOC102603961	THO complex subunit 4A-like
LOC102604004	60S ribosomal protein L18-2
LOC102604019	tubulin alpha chain
LOC102604023	HMG1/2-like protein
LOC102604072	heat shock factor-binding protein 1
LOC102604076	protein EARLY RESPONSIVE TO DEHYDRATION 15-like
LOC102604120	peroxisomal (S)-2-hydroxy-acid oxidase GLO1-like
LOC102604160	40S ribosomal protein S19-3-like
LOC102604173	uncharacterized protein LOC102604173 isoform X1
LOC102604256	aspartic protease inhibitor 8
LOC102604331	NADH dehydrogenase [ubiquinone
LOC102604386	2-oxoglutarate-dependent dioxygenase AOP3-like
LOC102604409	uncharacterized protein LOC102604409
LOC102604477	uncharacterized protein LOC102604477
LOC102604485	caffeoylshikimate esterase-like
LOC102604500	protein CWC15 homolog
LOC102604534	cytochrome B5-like protein
LOC102604570	protein CHROMATIN REMODELING 20 isoform X2
LOC102604582	aspartic protease inhibitor 3
LOC102604637	26S proteasome regulatory subunit 4 homolog A
LOC102604645	NADH dehydrogenase [ubiquinone
LOC102604693	LOW QUALITY PROTEIN: 40S ribosomal protein S2-3-like
LOC102604706	uncharacterized protein LOC102604706 isoform X1
LOC102604729	elongation factor 1-delta 1
LOC102604745	probable histone H2A variant 1
LOC102604873	proteinase inhibitor I-B-like
LOC102604878	60S ribosomal protein L44-like
LOC102604938	40S ribosomal protein S10-like
LOC102604977	heat shock cognate protein 80
LOC102605015	metallothionein-like protein type 2 B
LOC102605016	IQ domain-containing protein IQM3-like
LOC102605022	glycine cleavage system H protein, mitochondrial-like
LOC102605049	choline-phosphate cytidyltransferase 1-like
LOC102605090	peptidyl-prolyl cis-trans isomerase CYP19-3-like
LOC102605103	zinc finger protein 593
LOC102605148	protein LE25-like
LOC102605196	UPF0426 protein At1g28150, chloroplastic
LOC102605208	proteinase inhibitor I-B-like
LOC102605220	AP-4 complex subunit sigma

LOC102605222	probable polyamine oxidase 2
LOC102605230	hydrophobic protein LTI6A
LOC102605260	patatin-05-like precursor
LOC102605262	proteinase inhibitor type-2 P303.51
LOC102605367	cathepsin B-like
LOC102605378	anamorsin homolog
LOC102605379	eukaryotic translation initiation factor 5A-5
LOC102605495	signal peptide peptidase-like 4 isoform X1
LOC102605542	wound-induced proteinase inhibitor 1-like
LOC102605564	hydrophobic protein LTI6A-like
LOC102605595	proteinase inhibitor type-2
LOC102605781	probable protein Pop3
LOC102605839	uncharacterized protein LOC102605839
LOC102605897	uncharacterized protein C167.05
LOC102605944	uncharacterized protein LOC102605944
LOC102606043	60S ribosomal protein L10a-1
LOC102606056	probable U6 snRNA-associated Sm-like protein LSm4
LOC102606139	uncharacterized protein LOC102606139
LOC102606142	probable ATP synthase 24 kDa subunit, mitochondrial
LOC102606254	peroxiredoxin-2B-like
LOC102606289	probable nucleoredoxin 1
LOC102606298	putative cytochrome c oxidase subunit 5b-like
LOC102606327	probable glutamate carboxypeptidase 2
LOC102606349	40S ribosomal protein S23
LOC102606377	thioredoxin H-type 1
LOC102606393	60S ribosomal protein L27a-3-like
LOC102606394	ATP-dependent RNA helicase-like protein DB10 isoform X2
LOC102606431	NADH dehydrogenase [ubiquinone
LOC107057692	histone H2B.1
LOC107057847	uncharacterized protein LOC107057847
LOC107058368	glutathione S-transferase U9-like
LOC107058819	uncharacterized protein LOC107058819
LOC107059031	non-specific lipid-transfer protein 2-like
LOC107061028	sm-like protein LSM4
LOC107061245	cytochrome b5 isoform E
LOC107061263	uncharacterized protein LOC107061263
LOC107061309	cytochrome P450 83B1-like
LOC107061424	uncharacterized protein LOC107061424
LOC107062156	uncharacterized protein LOC107062156
LOC107063246	histone H2B.3
MIP1	major intrinsic protein 1-like protein
MIP2	major intrinsic protein 2
MS	methionine synthase
PGAM	phosphoglycerate mutase

PHA1	plasma membrane ATPase 1-like isoform X1
PLC1	phosphoinositide phospholipase C 2-like
PPI2C1A	proteinase inhibitor 1 PPI2C1A isoform X1
RA215	14-3-3-like protein RA215
RBCS-C	ribulose biphosphate carboxylase small chain C, chloroplastic
RPL13	60S ribosomal protein L13 isoform X1
RPS4	40S ribosomal protein S4
SHKA	phospho-2-dehydro-3-deoxyheptonate aldolase 1, chloroplastic isoform X1
THF1	protein THYLAKOID FORMATION1, chloroplastic
WIN2	wound-induced protein WIN2 precursor
