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AT3G14230 ESAEQAEKSSKRKRKNQYRGIRQRPWGKWAAEIRDPE---RKGSRVWLGTFDTAEAAAARAYDAAARRIRG-----TKAKVNFPEEKNPSV 191
AT1G53910 GLDGDAAEKSANRRKRKNQYRGIRQRPWGKWAAEIRDPE---REGARIWLGTFKTAEEAAARAYDAAARRIRG-----SKAKVNFPEE-NMKA 187
JrERF01 ESNQQA EKSAKRKRKNQYRGIRQRPWGKWAAEIRDPE---RKGVRVWLGTFNTAEAAAARAYDAEAFKIRG-----KKAKVNFPEE--SAR 172
AT1G72360 HHASGSASDGKKKQSSRYKGI RRRPWGRWAAEIRDPE---IKGVRVWLGTFNTAEAAAARAYDLEAKRIRG-----AKAKLNFPNE----- 134
JrERF28 GVHEEEKKPAKRQRKNLYRGIRQRPWGKWAAEIRDPE---RKGVRVWLGTFNTAEAAAARAYDREARKIRG-----KKAKVNFPEE--SAR 139
AT2G47520 -VSEE--RDGKRERKNLYRGIRQRPWGKWAAEIRDPE---SKGVRVWLGTFKTADEAAARAYDVAAIKIRG-----RKAKLNFPN----- 107
JrERF05 SQAEEKKESCQRTKRNLYRGIRQRPWGKWAAEIRDPE---HKGVRVWLGTYNTAEAAAARAYDVAEAKRIRG-----DKAKLNFAKL----- 147
AT3G16770 EQATEPGK--RRKRKNLYRGIRKRKPWGKWAAEIRDPE---RKGVRVWLGTFNTAEAAAAMAYDVAAKQIRG-----DKAKLNFPDL----- 137
JrERF06 -----EENPKKEKSYRGVRRRPPWGKYAAAEIRDST---RRGIRVWLGTFDSAEAAAALAYDQAAFSMRG-----ALAVLNFPVEVVRES 172
AT3G23240 -----KSEKSYRGVRRRPPWGKFAAAEIRDST---RNGIRVWLGTFESAEAAAALAYDQAAFSMRG-----SSAILNFSAEERVQES 146
AT2G31230 -----KVGIDEERSYRGVRRRPPWGKFAAAEIRDST---RNGIRVWLGTFDKAEAAAALAYDQAAFAIKG-----SLATLNFPVEVVRES 150
AT1G06160 -----KS YRGVRRRPPWGKFAAAEIRDST---RKGIRVWLGTFDTAEAAAALAYDQAAFAIKG-----SLAVLNFPADVVRES 146
AT1G04370 -----YRGVRRRPPWGKYAAAEIRDST---KHGERVWLGTFDTAEADAARAYDRAAFVSMRG-----KAAILNFPHEVYNGM-- 83
AT3G23220 -----YRGVRRRPPWGKYAAAEIRDSA---RHGARVWLGTFNTAEADAARAYDRAAFVSMRG-----QRAILNFPHEVYQMMK 78
AT3G23230 -----KQARFRGVRRRRPPWGKFAAAEIRDPS---RNGARLWLGTFETAEEAAARAYDRAAFNLRG-----HLAILNFP----- 77
AT4G18450 -----SRVSKTRKYRGVRRRPPWGKFAAAEIRDST---RNGVRVWLGTFQTAEEAAAMAYDKAAVIRGT-----QKAHTNFQLETVIKA 175
AT5G07580 QSVKKAERFEEVVDARHYRGVRRRPPWGKFAAAEIRDPA---KKGSRVWLGTFESDVAARAYDCAAFKLRG-----RKAVLNFPDLAGKYE 174
AT5G61590 SNRKKTKRFEET--RHYRGVRRRPPWGKFAAAEIRDPA---KKGSRVWLGTFESDIDAARAYDYAAFKLRG-----RKAVLNFPDLAGKYD 171
JrERF27 GSIVKVSDCGYQQQGRHYRGVRRRPPWGKFAAAEIRDPT---RNGRRVWLGTFDTDVAADAKAYDCAAFKMRG-----RKAILNFPLEAGVST 178
AT5G47230 TKP-----VSEEEKKHYRGVRRRPPWGKFAAAEIRDPN---KRGSRVWLGTFDTAEIAEAAARAYDEAAFRLRG-----SKAILNFPLEVGKWK 220
AT4G17490 PVPV-----VAAEKKHYRGVRRRPPWGKFAAAEIRDPT---RRGTRVWLGTFETAIEEAAARAYDKEAFRLRG-----SKAILNFPLEVDKWN 201
JrERF38 SSLSSVEQNASFEAKKHYRGIRQRPWGKYAAAEIRDPN---RRGSRVWLGTFDTAEIAEAAKAYDRAAFKLRG-----SKAILNFPLEVGNSD 248
AT5G51190 -----NDQ--RHYRGVRRRPPWGKYAAAEIRDPN---KKGVRVWLGTFDTAMEAARAYDKAAFLKLRG-----SKAILNFPLEAGKHE 136
AT5G61600 -----KEEEERHYRGVRRRPPWGKYAAAEIRDPN---KKGCRVWLGTYDTAVEAAGRAYDCAAFKLRG-----RKAILNFPDLDVRVTS 152
AT4G17500 T-----AAKGKHYRGVRRRPPWGKFAAAEIRDPA---KNGARVWLGTFETAEDAALAYDRAAFRMRG-----SRALLNFPPLRVNSGE 212
AT5G47220 T-----AVKAKHYRGVRRRPPWGKFAAAEIRDPA---KNGARVWLGTFETAEDAALAYDIAAFRMRG-----SRALLNFPPLRVNSGE 181
JrERF37 PSQKEAAPLVVPAK GKHYRGVRRRPPWGKFAAAEIRDPA---KNGARVWLGTFETAEDAALAYDRAAFRMRG-----SRALLNFPPLRVNSGE 221
AT2G44840 -----RQKGMQYRGVRRRPPWGKFAAAEIRDPK---KNGARVWLGTYETPEDAARAYDRAAFQLRG-----SKAKLNFPHLIGSCK 156
JrERF41 PSENSVSNEETGERRRRYRGVRRRPPWGKWAAEIRDPE---HKAARVWLGTFDTAEAAAARAYDEAALRFRG-----SRAKLNFP----- 242
AT5G50080 -----EEAREKRRRYRGVRRRPPWGKWAAEIRDPE---HRAARVWLGTFDTAEAAAARAYDEAALRFRG-----NKAKLNFP----- 133
JrERF15 PAYEYNKETYTEEP RRRYRGVRRRPPWGKWAAEIRDPE---FKAARVWLGTFDTAEAAAQAYDEAALRFRG-----NKAKLNFP----- 244
AT1G43160 -----KKYRGVRRRPPWGKWAAEIRDPE---HKATRVWLGTFETAEEAAARAYDAAALRFRG-----SKAKLNFP----- 117
AT5G64750 TASSETSSFSGDQPRRRYRGVRRRPPWGKWAAEIRDPE---FKAARVWLGTFDTNAESAARAYDEAALRFRG-----NKAKLNFP----- 241
JrERF25 -----RHYRGVRRRPPWGKWAAEIRDPE---KKAARVWLGTFDTAEADAALAYDRAALRFRG-----AKAKLNFP----- 112
AT5G13330 -----RHYRGVRRRPPWGKWAAEIRDPE---KKAARVWLGTFETAEEAAALAYDRAALKFKG-----TKAKLNFP----- 95
AT5G07310 -----RHYRGVRRRPPWGKWAAEIRDPE---QKAARVWLGTFETAEEAAALAYDNAAALKFKG-----SKAKLNFP----- 148
AT5G61890 -----RHYRGVRRRPPWGKWAAEIRDPE---KKAARVWLGTFETAESAALAYDEAALKFKG-----SKAKLNFP----- 146
AT1G12980 -----YRGVRRRPPGRYAAAEIRDPE---MSKERRWLGTFDTAEQAACAYDSAAAFRFRG-----AKARTNFYPTAVIM 120
AT2G33710 -----YRGVRRRPPWGKWAAEIRDPE---NKAARVWLGTFDTAEAAAALAYDKAAFEFRG-----HKAKLNFP----- 126
AT2G20350 -----HKGVRKPKSGKWAAEIWDPE---SLKVRVWLGTFPTAEEMAAKAYDNAAAFFVG-----RRS----- 138
AT5G67000 -----YKGVRRKPKSGKWAAEIWDPE---RSKSRVWLGTFFLTAEMAAQSYNDAAAAYR-----R----- 168
AT5G67010 -----HKGVRKPKSGKWSAEIWDPE---STRTRVWLGTFPTAEEMAADAYDEAAAALVE-----KRS----- 141
JrERF02 -----KKEKRNLYRGVRRRPPWGKWAAEIRDPE---RRAVRVWLGTFATAEQAAARAYDRAAIEFRG-----TRAKLNFP----- 177
ruler 0.....270.....280.....290.....300.....310.....320.....330.....340.....350.....360.....

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Accession	Sequence	Accession	Sequence	Accession	Sequence	Accession	Sequence	Accession	Sequence																																																																																																																																																																				
JrERF24	KGKLP AEATKRR AKKY- YRGV RQRPWGK WAAE IRDP	AT4G34410	KAEGG KIRKRRKNKNG YRGV RQRPWGK FAAE IRDP	JrERF04	--- RKP DTQRGGTRHPV FRGVRKR RSWGK VVSE IRP	JrERF08	--- KKPI RQR- RTDFR FGVRKR SWGRK VVSE IRLP	JrERF07	--- KRPR- VDCSKHPV FRGVRMR S WGWVSE IRP	JrERF13	PDPKQPKRARDNSKHAV YRGV RMR SWGK VVSE IRP	JrERF39	ENKKR VK- SRDDG KHPT YRGV RIRQW GKWVSE IRP	JrERF11	SSRASSGQAASGGSPKYR GVRSR- SGKWVSE IRP	JrERF35	SPKPAMASSSSSR-HPMYR GIRCR- SGKWVSE IRP	JrERF09	S-----PAYR GVRKRK WGWVSE IRAP	JrERF10	--- GANTGASTSQOKKYK GVRQRK WGWVSE IRVP	JrERF22	KQMP SISISASASIKKKYK GVRMR S WGSVSE IRAP	JrERF18	EREENRRKRQVEMCERP YKGI RMRK WGWVAAE IRP	JrERF42	TSTSAEKRKQRNQEKPYRGI RMRK WGWVAAE IRP	JrERF33	ACTSSTS GYINPCKKKLYR GVRQRH WGWVAAE IRLP	JrERF19	-MVKQTTEKPAERSDSKYK GVRKRK WGWVSE IRLP	JrERF16	KTIPMKHVGTSPKPAKLYR GVRQRH WGWVAAE IRLP	JrERF26	KPIAMKHVGSPPKPTKLYR GVRQRH WGWVAAE IRLP	JrERF20	-----MVQSK-KFRGVRQRH WGSVSE IRHP	AT1G15360	-----MVQTK-KFRGVRQRH WGSVAAE IRHP	AT5G11190	-----MVHSR-KFRGVRQRQ WGSVSE IRHP	AT5G25390	-----MVHSK-KFRGVRQRQ WGSVSE IRHP	JrERF30	-----MVHSK-KFRGVRQRQ WGSVSE IRHP	AT5G25130	-----MARPQORFRGVRQRH WGSVSE IRHP	AT1G50640	-----SVKEIRFRGVRKR P WGRFAAE IRDP	AT3G20310	-----SVKEPRYR GVRKR P WGRFAAE IRDP	JrERF36	-----PGNEPRYR GVRKR P WGRFAAE IRDP	JrERF12	-----IIKEVKFRGVRKR P WGRFAAE IRDP	JrERF31	-----AREGHRGVRKR P WGRYAAE IRDP	AT1G28360	-----CAREVHYR GVRKR P WGRYAAE IRDP	JrERF14	-----KRMAVHFRGVRKR P WGRFAAE IRDP	JrERF21	-----KRREVHFRGVRKR P WGRFAAE IRDP	JrERF17	-----KEMHYR GVRKR P WGRYAAE IRDP	JrERF40	-----KEIRFRGVRKR P WGRYAAE IRDP	AT3G15210	-----AKEIYR GVRKR P WGRYAAE IRDP	AT1G53170	-----AAKEIYR GVRKR P WGRYAAE IRDP	JrERF32	-----NGKEVHFRGVRKR P WGRYAAE IRDP	AT1G28370	-----EGNGVRYR GVRKR P WGRYAAE IRDP	AT5G44210	-----MRKEVHFRGVRKR P WGRYAAE IRDP	AT1G03800	-----VNDGGEKSKEVRYR GVR R P WGRYAAE IRDP	AT1G12890	-----KYLGVRRR P WGRYAAE IRNP	AT1G24590	-----SGAGASGVSTIRYR GVR R P WGRYAAE IRDP	AT5G13910	-----QVG-TRFLGVRRR P WGRYAAE IRDP	0	-----TTKERH WLGTFDTAE EEAALAYDRAARSMRGT	180	-----PRAKLNFP-----	192	-----PRAKLNFP-----	100	-----KAQLNFP-----	101	-----SACLNFP-----	115	-----SAVLNFP-----	122	-----SAILNFP-----	130	-----SAFLNFP-----	131	-----DTFLNFP-----	124	-----DAVLNFP-----	70	-----GTPLNFP-----	79	-----TLDNLNFP-----	87	-----KANLNFP-----	82	-----SARLNFP-----	82	-----SARLNFP-----	174	-----YARLNFPNLTDP SM	74	-----TAKFNFP E-----	249	-----FARLNFPHLKHQGA	249	-----FARLNFPNLRHQ--	70	-----NAKTNFTQTSTG	70	-----NAKTNFPLNNNNTG	70	-----NAKTNFPVVKSEEG	66	-----SAKTNFPVIKSN-G	68	-----NAKTNFPTANGR--	69	-----RARTNFPYNPA--	91	-----KAKTNFPIDSSPP	89	-----KAKTNFPIDCS-PS	99	-----KAKTNFPLSPSSYF	99	-----KAKINFP LTA PQLA	72	-----KAKTNFPAPVTAGL	75	-----KAKTNFPPSPLSDL	94	-----KARTNFGLHGLVIT	94	-----KARTNFGLRGLVIT	87	-----KAKTNFPPSP--	84	-----KAKTNFPNPSDDL T	88	-----KAKTNFP T FLELSD	93	-----KAKTNFGVIVGSS--	86	-----KAKTNFPFGSDNVD	121	-----KAKTNFPCYINAH	93	-----KAKTNFPLPGE--	116	-----KATTNFPLIGYYGI	84	-----LATTNFFYTENTSL	121	-----KARTNFVYPMPSLD	83	-----RARTNFVYSDMPPS

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AT5G18560 -----QAEPGRFLGVRRRPWGRYAAEIRDP-----TTKERHWLGTFDTAHEAALAYDRAALSMRGT-----QARTNFVYTP TDVH   118
AT1G28160 -----HIEEIKYVGVRRRPWGRYAAEIRNP-----TTKERYWLGTFDTAEAAALAYDRAARSIRGL-----TARTNFVYS DMPRG   102
JrERF29  KKTPLKAQQQCI PDIKRYRGVRQRPWGRWAAEIRDP L-----RRTRVWLGT YDTAEAAAMVYDRAAIRL RGP-----DALTNFVKP P LSSP   182
AT2G46310 PAAAAENG GDLVKS VVKYRGVRQRPWGKFAAEIRDP S-----SRTRLWLGT FATAEEAAI GYDRAAIRI KHG-----NAQTNFLT P -----P   158
AT4G11140 --VPVVVT TAT-----RKFRGVRQRPWGK WAAEIRDP S-----RRVRVWLGT FDTAEAAA IVDNAAIQLRGP-----NAELNF-----   142
AT4G23750 TVSPVVSAT TTTTTEKKFRGVRQRPWGK WAAEIRDP L-----KRVRLWLGT YNTAEAAAMVYD NAAIQLRGP-----DALTNF SVTPTTAT   185
JrERF34  ESHRVLKVPGA-----RKFRGVRQRPWGK WAAEIRDP L-----RRIRLWLGT YDTAEAAAMVYD NAAIQLRGP-----DAFTNFA-----   171
AT1G22985 --ASLLAARNTTANKKKFRGVRQRPWGK WAAEIRCGR--VKGRPERIWLGT FETAEEAALAYD NAAIQLIGP-----DAPTNFG-----   134
AT1G71130 --AEFLKTAKT---EKKYRGVRQRPWGK WVAEIRCGRGACKGRRDRLWLGT FNTAEAAALAYD NASIKLIGP-----HAPTNFG-----   140
AT4G27950 VQKP---SVSGQNQKKYRGVRQRPWGK WAAEIRDP E-----QRRRIWLGT FATAEEAAI VYDNAAIKLRGP-----DALTNFTVQP-----   177
AT5G53290 RQRPNNKVSVSGQ- IKKFRGVRQRPWGK WAAEIRDP E-----QRRRIWLGT FETAEEAA VVYDNAAIRL RGP-----DALTNF SIPPQEEE   188
JrERF43  -----SSRRPSSSKYRGVRQRKWGK WAAEIRDP-----FKGAR IWLGT FNTPEEASEAY EKRLFEFESAMAAN-----ANSEKSKNKA AVSSAAVS   196
JrERF44  -----ARKRPSSSKYRGVRQRKWGK WAAEIRDP-----FKGAR IWLGT YNTPEEASEAY QRKRLF EFAAMTAN-----AASKSNNDA ASSSSAVA   192
AT1G25470 -----STRQFKYPVGV RPRPSGKFAAEILNP-----FTKTKKWLGT YETPAEAEKAYVD KKV EYDALASSG-----S---AVSSSVVT--VTS   146
AT1G68550 -----PAVPRKKPVGV RQRKWGK WAAEIRDP-----IKKTRTWLGT FDTLEEA AKAYDAKKLEF DAI VAGN-----V---STTKRDV S SSETS   180
AT3G25890 -----VGRSSTTVSKPVGV RQRKWGK WAAEIRHP-----ITKVRTWLGT YETLEQAADAYATKKLEF DALAAAT-----S---AASSVLSN-----   193
JrERF23  -----QPGGTMRYRGV RRRPWGRYAAEIRDP-----QSKERRWLGT FDTAE DAACAYDLAARAMRGLKARTNFVY PAPP PPSATD TFL PPFNF PRQSR RPA   109
AT1G80580 -----GRKMPQKTGGFMGV RKR PWGRWSAEIRDR-----IGRCRHWLGT FDTAE EAARAYDAAARRL RGT-----KAKTNFVIPP-----   175
AT5G19790 -----NKTKFVGVRQRPSGK WVAEIKDT-----TQKIRMWLGT FETAEEAARAYDEAAC LLRGS-----NTRTNFANHF PNNS   85
AT1G49120 -----RKTSSGFKV RRRPWGKFAAEIRNP-----FEKKRKWLGT FPTEEEAAEAY QKSKREFDERLG-----LVKQEKDLVDLTKPCGVRK   157
JrERF03  --KRHRRKLFQNQEPCLMRGVYYK-NMKWQAAIKVD-----KKQIHLGT VGSQE EAARLYDRAAFMCGRE-----PNFELSE-----   158
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