



Species	Sequence	Sequence	Sequence	Sequence
stu	Solanum tuberosum PGSC0003DMP400041390	FSDPEAD	-----HDFS	-----DTYD-SLLPDTDFIKQENKKEIITLGMLEWN--KSR
sly	Solanum lycopersicum Solyc06g050700.2.1	FSDPDAD	-----NDFS	-----HTYGCSELLPDTDFIKKEENKKEIITLGLLEWN--KSR
mgu	Mimulus guttatus mgv1a015167m	FSDPQIESLFL	-----DITGGDD	-----QVHGDSASAITFAFKGKEGNMMDLVALGWLKWR--KFR
gmx	Glycine max Glyma02g42860.1	FQDPC	-----FQNDDAFFDD	-----FDLD--LQDEE--KERKEGKEVVSLGVLKWR--SCG
gmx	Glycine max Glyma14g05980.2	FQDPC	-----FQYDDVFFDD	-----FDLD--LQDKE--NEGKEGKEVVSLGVLKWR--SCG
pvu	Phaseolus vulgaris Phvul.008G219700.1	FQDPC	-----YQN-ELFFDD	-----FDLD--LEEEENEENEGEKEVVSLGVLKWR--SSG
mtr	Medicago truncatula Medtr5g083690.1	FQDPC	-----YONDSFSDFE	-----MMDEDLFVHVEIPQHEHGKELMKLGSGLKWR--GSDI
lus	Linum usitatissimum Lus10040964	YQDPCSDLSLPDD--LDFFDDG	-----ADFLHFSGK	-----DEDAKKE-----EEEEARLNWDVIVSGSMKWK--KQO
lus	Linum usitatissimum Lus10009847	YQDPCSDLSLPDD--LDFFDDG	-----ADFLHFSGK	-----DEDAKKE-----EEEEARLNWDVIVSGSMKWK--KQO
csi	Citrus sinensis orangel.lg032323m	YFDPCSDPLFSD--FDD	-----LVLPDVDEI	-----FDPKHQE--EIERDFCKDLVSLGTLKWK--KGG
ccl	Citrus clementina Ciclevl10033013m	YFDPCSDPLFSD--FDD	-----LVLPDVDEI	-----FDPKHQE--EMERDFCKDLVSLGTLKWK--KGG
pop	Populus trichocarpa Potri.010G182800.1	FHDPEAEPLFS--DICDFVLS	-----DLDSLFFDDP	-----IYDTIKG--EVELKGNKELVSLGVLKWK--MDR
pop	Populus trichocarpa Potri.008G074600.1	FYDPESDPSFS--DIYDFLPL	-----DLYSLFFDDP	-----IYDTIKGKCREHEEVEKGNKELVSLGVMKWK--KGR
rcu	Ricinus communis 29729.m002310	FQDPCSDALMN--DPYDLALP	-----DLDSFFLDDL	-----IGDTRVN--PRDEEEKG--KELVIRGMKWK--KGR
mes	Manihot esculenta cassava4.1_019051m	FQDPCDLSLN--DVCD	-----FDSLFFDSG	-----VEDTAAE-----EEEHS--KDLVSMGLMKWK--KGR
cpa	Carica papaya evm.model.supercontig_19.111	FQDPCNDP-FS--DIYDPVLPDFDALF	-----EDDDVFFENM	-----EMELRGTPKVABEEEEVEMRKQLVAAAGALKWK--KDR
egr	Eucalyptus grandis Eucgr.G03104.1	FCDPQDDPLFSAAG--DDDDLALP	-----DLDSLFDCCD	-----QALADQG--KEEWSGYCGDLVSIIGLKWK--EAR
vvi	Vitis vinifera GSVIVT01032732001	FQDPEFDPYC--YDIDPALP	-----DIDALFDCT	-----GSKAEER--KEHQR--ELVSLGALKWR--KTR
mdu	Malus domestica MDP0000307941	FQDPCNDPSFS--DIHDPALLS	-----VDALFDVE	-----NIHHSRNTG-AAEEEEKDKKELVSLGLLKWR--KGR
mdu	Malus domestica MDP0000563240	FQDPCNDGAYP--DILDPDLLP	-----IDALFDVE	-----NHHSPRTQPAVEEQEKDLKELASLGLLKWR--KGR
ppe	Prunus persica ppa012915m	FQDPCNDPFS--DINDPALPD	-----VDALFDVH	-----YNNNTQAQOEHEEEDKDFHKELVSMGLLKWR--KGR
fve	Fragaria vesca mrna21290.1-v1.0-hybrid	FHDPCNDPFS--DVNDAAFLDSD	-----YVDDLFDQH	-----YPTADNKKVEAEEEEKDYHKELVSLGLLKWP--KGR
gra	Gossypium raimondii Gorai.012G079800.1	FHDPCND--DADLLFPDD	-----LDVDFDDYD	-----EFFFDPTCE--GKEEDTQKELVPVGFAPKWR--KGR
tca	Theobroma cacao ThecclEG042419t1	FHDPCND--DDSLFFPDD	-----LDAIFDEYD	-----DFSAYSRC--EKEGDGDKELVPIGALKWR--KGR
gra	Gossypium raimondii Gorai.013G015700.1	FHDPCNDVSD--DDDLFPDD	-----LDDIFDEYD	-----DVLLDRPE--EKE--KKLVPPGTSKWR--KDR
csa	Cucumis sativus Cucsa.136830.1	FQDPCNELSFG--ENE-EFILPD	-----LESFFDDFT	-----RQQ-----EEEELEFSKDLVPMGAFKWKARSG
aco	Aquilegia coerulea Aquca.005_00211.1	FEDPETNLDFD--QYDDPILLP	-----VESVFHDYS	-----TKDF-----EEEEKDYKELVSMGALKYKRSRG
atr	Amborella trichopoda scaffold00023.50	QDDFIAEDDFMAQDNFSACEEELDLP	-----EIDSVFDGHK	-----GVEEGKG--MKNEMKELATMASLKYE--RSQ
spo	Spirodela polyrrhiza v2 Spipo23G0042900	FLEEAARDGAG--FIDEEEGS	-----SLPEIYDIFE	-----GYQQQGE--DGEKGRGRELVSWSGAEKWR--GM
sbi	Sorghum bicolor vl.4 Sb09g015910.1	GALGLLD--AEDLDLDAEVDGF	-----LPDDFFSAPA	-----PROESEREQVAGAGKKVGGG--LEVAANGIDKWW--RAH
zma	Zea mays GRMZM2G093325_T02	GALGLLD--AEDLDLDD-DVDSF	-----LPDDFFSPPA	-----PRYESERED--AGRRRAGRG--LEVAANGIDRWW--RAH
pvi	Panicum virgatum v0.0 Pavirv00017628m	GALGLLD--DEGGPDEDAEVVDSF	-----LPDELFSPPP	-----PROEAERDGG--AGKRRGGSGGLEVAANGIDKWW--RAH
pha	Panicum hallii v0.5 Pahal.0150s0007.1	GALGLLD--DEGGPDEDAEVVDSF	-----LPDELFSPPP	-----PROESEREQ--AGKRRGGSGGLEVAANGIDKWW--RAH
pvi	Panicum virgatum v0.0 Pavirv00057401m	GALGLLD--ADEDAEVVDSF	-----LPDELFSPPP	-----PROESAREEG--AGKRRGGSGGLEVAANGIDKWW--RAH
sit	Setaria italica Si023506m	GALGLLD--ADEDAEVVDSF	-----LPADLFSPPP	-----PROESAREES--AGKRRGGG--LEVAANGIDKWW--RAH
osa	Oryza sativa LOC_Os05g27780.1	SALGLLD--DNDNGDGYDLEGFL	-----LPDDLFSSTP	-----ILVGEPADEKEGKFGGAGGKKVGGGSAEVVAANGIDKWW--RAH
bdi	Brachypodium distachyon Bradi1g11710.1	GDGLLD--DADD	-----	-----AHEGDGRKEVAAGK--EGGGVEVAPWGIEKWW--RAH