



ath	Arabidopsis thaliana CID2_AT4G14270	GGDDFSVMEEFEE	EMIASDDG	GSMADTVTEADVASYLKMLLNIAESTKEK	IYRS
aly	Arabidopsis lyrata 493483	GGDDFSVMEEFEE	EMIASDDG	GSMADTVTEADVAKYLKMLNIAESTKEK	IYRA
cru	Capsella rubella Carubv10005896m	GGDDFSVMEEFEE	EMIASDDG	GSTVDSVTEADVAKYLKMLNIAESTKEK	RSKM
bra	Brassica rapa Bra032775	---DMEDFEF---	ELILITSSG	ENEMGSSSVRESDVGRYLKMLNIAESTKEK	IYRS
tha	Thellungiella halophila Thhalv10026475m	DDFFSDDMEEFEE	ELIMSSSEK	EAEIGGSTVTEADVAKYLKMLNIAESTKEK	IYRS
→ ppp	Physcomitrella patens v1.6 Ppls184_126V6.1	FEADLDEIADLDE	FLEFOEQEQ	EMETIQESLNFVDVDDGCIDDDLNINQIRDL	KLNF
→ ppp	Physcomitrella patens v1.6 Ppls387_21V6.1	FEADLEIADLNDN	FLELQEQEQ	EQAASASLNFDDHRLLEDLDSVINVVQIMDV	KVNH
→ smo	Selaginella moellendorffii 414682	PE-DLEALE	MELMEEEEE	EMEFLAE	NSEN
cpa	Carica papaya evm.model.supercontig_197.11	FEFEGDDVETQFE	ELVMWFEEA	DATGSVN	SDCK
aly	Arabidopsis lyrata 483215	GGGQVADVADLLPE	SFDFDDME	DFFDIDAEFDQG-FDGRMYQAPSEFGFGKNG	EMVRKSTGNNR
aha	Arabidopsis halleri v1.1 Araha.8705s0003.1	GGGQVADVADLLPE	SFDFDDME	DFFDIDAEFDQG-FDGRMYQAPSEFGFGKNG	EMVRKSTGNNR
ath	Arabidopsis thaliana CID1_AT2G41430	GGGHIADVADLLPE	SFDFDDME	DFFDIDAEFDQG-FDGRMYQAPSEFGFGKNG	EMVKKSSGNNR
cru	Capsella rubella Carubv10024225m	GGGQVADVADLLPE	SFDFDDME	DFFDIDAEFDQG-FDGRMYQAPSEFGFGKNG	EMVRKSTGNNR
cru	Capsella rubella Carubv10024216m	GGGQVADVADLLPE	SFDFDDME	DFFDIDAEFDQG-FDGRMYQAPSEFGFGKNG	EMVRKSTGNNR
tha	Thellungiella halophila Thhalv10017353m	RGGEVADVADLLPE	SFDFDDME	DFFDIDAEFDHG-YGGQIY-HAPSDFLGKNG	EMVRIKSSGNNR
bra	Brassica rapa Bra016934	---EVADVADLLPE	SFDFDDME	DFVFEFDHQGGYVQGMHAPSDFLGLKNG	EMVRKSTGNNR
bra	Brassica rapa Bra000227	---EVADVADLLPE	SFDFDDME	DFFEADFE	INNLLNQ
mes	Manihot esculenta cassava4.1_034338m	FDGSDVADVADLLPE	AFDFDAGE	DFSSF-EVQFQEFVESYDTE	QNGFQMEAE
mes	Manihot esculenta cassava4.1_018358m	FDG-NDVADVADLLPE	TFDFDAGE	YFSSL-EVQVQEFVPAEAYDAE	QNGFQMEAE
pop	Populus trichocarpa Potri.006G044600.1	FDG-NDVADVADLLPE	TFDFDAGE	YFSSL-EAQPADFIEESFS	ENGFMLEVE
pop	Populus trichocarpa Potri.016G041600.1	LDG-NDVADVADLLPE	TFDFDAGE	YFSSL-DSQFAGFAEYESS	ANGFVLEAE
rco	Ricinus communis 28470.m000431	FDG-NDVADVADLLPE	TFDFDAGE	YFSSL-EAQPHEFVDSYETEVD	KKDVTVSAA
lus	Linum usitatissimum Lus10031029	FDT-KDVAALLPD	SFDLDVGE	DFSSL-EAQPFEFVESYE	QVTVPSYAN
lus	Linum usitatissimum Lus10035419	FDT-KDVAALLPD	SFDLDVGE	DFSSL-EAQPFEFDESYE	QVTVPSYANR
lus	Linum usitatissimum Lus10018018	LDS-KDIAIGLLPD	TFDLDVGA	VDVSAF-DGFVSEYAESENRT	ASV-ASVAIGGAV
lus	Linum usitatissimum Lus10042014	LDS-KDIAIGLLPD	TFDLDVGA	VDVSAF-DGFVSEYAESENRT	SY-SGYAIGGAV
gmx	Glycine max Glyma03g28760.2	FDG-NDVADVADLLPE	SFDFDAGE	DL	ET
gmx	Glycine max Glyma19g31501.1	FDG-NDVADVADLLPE	SFDFDAGE	DL	ET
pvu	Phaseolus vulgaris Phvul.001G127900.1	FDG-NDVADVADLLPE	SFDFDAGE	DLAAL-DAQLEDFIQSYETO	ET
med	Medicago truncatula Medtr7g090630.1	FDG-NDVADVADLLPE	AFDLDAGE	DIS-I-EAQLPEEIKSEAEQEE	SVFEQ
gso	Gossypium raimondii Gorai.013G002700.1	FDV-NDVADLLAD	PFDFVSD	DLQFEFPTQS-NEMETIAPPLPSNGG	FEKGVLEAMKMLNLSVPS
tca	Theobroma cacao Thecc1EG024484t1	FDG-NDVADLLAD	TFDLDVAD	LSGM-DLQFEFPTQSYENEMESASPLPSNGG	LEKDEETMLKMLNLSLQS
cpa	Carica papaya evm.model.supercontig_5.215	LDS-CDVADLLAD	SFDFDAGE	FNSV-BYQFEFPTQSYEAELENKS-HLSSYGG	LKQVYEAENFLRTLGER
egr	Eucalyptus grandis Eucgr.A02291.1	LHG-SDVADLLAD	TFDLDVAD	FSLM-DSQFEFPTQSYENEMESASPLPSNGG	LLDMGAMKQADFRLKSLDVE
mdo	Malus domestica MDP0000557979	VDN-VDVADLLPE	TFDLDVGD	DFSSLESQFEFPTQSYENEMESASPLPSNGG	AVLKNLKSLEDR
mdo	Malus domestica MDP0000551847	VDN-VDVADLLPE	TFDLDVGD	DFSSLESQFEFPTQSYENEMESASPLPSNGG	AVLKNLKSLEDR
ppe	Prunus persica ppa012883m	VDN-VDVADLLPE	TFDLDVGD	DFSSLESQFEFPTQSYENEMESASPLPSNGG	AVLKNLKSLEDR
fve	Fragaria vesca mrna21941.1-v1.0-hybrid	YDN-VDVADLLPE	TFDLDVGD	DFSSLESQFEFPTQSYENEMESASPLPSNGG	AVLKNLKSLEDR
csi	Citrus sinensis orange1.lg0313463m	VSN-VDVADLLPD	TFDLDAGE	NFSSI-EAQPDEFVMSFESELENISSPLPANDA	DALMKNMVRVS
ccl	Citrus clementina Ciclev10006124m	VSN-VDVADLLPD	TFDLDAGE	NFSSI-EAQPDEFVMSFESELENISSPLPANDA	DALMKNMVRVS
csa	Cucumis sativus Cucsa.004230.1	FNS-DIAEFLPE	AFDLDAGE	ELRTM-EAQPDEFVMSFESELENISSPLPANDA	EGY
stu	Solanum tuberosum PGSC0003DMP400052009	---AGNDVADLLPE	NIDLNVDE	DILNM-EAQPFEFPTQSYENEMESASPLPSNGG	POVGLP-SDALIRTLSSP
sly	Solanum lycopersicum Solyc10g079820.1.1	---AGNDVADLLPE	NIDLNVDE	DILNM-EAQPFEFPTQSYENEMESASPLPSNGG	POVGLP-SDALIRTLSSP
stu	Solanum tuberosum PGSC0003DMP400013490	GFAGNDVADLLPE	NIDLNVDE	DILNM-EAQPFEFPTQSYENEMESASPLPSNGG	FOFGLPKGSEALVRTLSMP
sly	Solanum lycopersicum Solyc04g017690.2.1	GFAGNDVADLLPE	NIDLNVDE	DILNM-EAQPFEFPTQSYENEMESASPLPSNGG	GLPKGSEALVRTLSMP
mgv	Mimulus guttatus v1.1_mgv1a015406m	---DSD-VDVGLLP	NIDLNVDE	DILNM-EAQPFEFPTQSYENEMESASPLPSNGG	MENGFKNKDALVKLMSFP
mgv	Mimulus guttatus v1.1_mgv1a015076m	---DSD-VDVGLLP	NIDLNVDE	DILNM-EAQPFEFPTQSYENEMESASPLPSNGG	MENGFKNKDALVKLMSFP
tca	Theobroma cacao Thecc1EG019501t1	DDADVADVADLLPE	SFELGDFE	ELVDL-DAQFEFPTQSYENEMESASPLPSNGG	RNGVGMNPKALIRLSLMP
csi	Citrus sinensis orange1.lg031370m	DDYVSDLEDFEFP	IVGADLSV	ESK-EKNLSDFEKGRVLDGTGNG	VDKALLKMLNLSKPLKER
ccl	Citrus clementina Ciclev10032949m	DDYVSDLEDFEFP	IVGADLSV	ESK-EKNLSDFEKGRVLDGTGNG	VDKALLKMLNLSKPLKER
csa	Cucumis sativus Cucsa.335550.1	DDLDIT-EEFLE	AMALYEAD	EKP-EVVKPTAHKN--LTKGASNE	MDAKKLLKDLVIPSPPKNN
vvi	Vitis vinifera GSVIVT01000857001	DGADDVADVADLLPE	TFDLGIDE	ESLDL-EVQMEELIQLSETKCTESASTVSKTGRKPVNGLKLE	TEALMKNLNLGNSPKGR
pop	Populus trichocarpa Potri.001G023100.1	GADDL-LTDLLE	DLVDVGE	EFSNL-EAQPFEEMVLAEEAEKPTDSATDPKVMKPLNGLLVDVKALLNDLNLVPSKPKDR	
pop	Populus trichocarpa Potri.003G0202500.1	GADDL-LTDLLE	DLVDVGE	EFSNL-EAQPFEEMVLAEEAEKPTDSATDPKVMKPLNGLLVDVKALLNDLNLVPSKPKDR	
mes	Manihot esculenta cassava4.1_017967m	SSDDL-VDVLLPE	KLDVGFDE	EFANL-EAQPFEEDLMMNEEAEK	WKQQLNGLVMDVKGALKEISPKSGKER
gmx	Glycine max Glyma04g28560.1	SNDL-IEENLSE	TFDLGME	DFNVL-ENEFQOLVMSSEALDHS--DFNAGKVSFQ-GLNKDKVAILINLITPK-SPRER	
gmx	Glycine max Glyma11g20940.1	STNDD-MENMLSE	TFDLGME	DFNVL-ENEFQOLVMSSEALDHSVQDDPNTGKGSFQ-SLNKDKVAFILINLITPK-SPRER	
pvu	Phaseolus vulgaris Phvul.005G033200.1	STNDD-MENMLSE	TFDLGME	DFNVL-ENEFQOLVMSSEALDHSVQDDPNTGKGSFQ-SLNKDKVAFILINLITPK-SPRER	
med	Medicago truncatula Medtr3g023110.1	ATNDD-IEHMLSE	TFDLGTE	DFNFL-DNEFEKLVMSDEAQCPEVMDPEVEKPKVTH	GLNKDAAALIKILSP-KER
aco	Aquilegia coerulea Aqua_014_00689.1	GNDDEDIANLPPD	SIDL-DE	DFONS-E--VQYSDAEANEVAYLAYKEMTQK	GVDNDDMEALLKGNLQK-SPKER
spo	Spirodela polyrhiza v2_Spipo27G00116100	YDEEDDIANLPPD	SFDLGIVD	DFLSSDPHPNNEEALRODSEAHRALMSDDHRLK	KGLESEAEERLIRNLSLK
lus	Linum usitatissimum Lus10019769	IDLAAEDMTDRIAG	DVKKPSVE	SEKSNALNGL--IVD-AKALLDLNQ	SPTRSPKKGSP-RS
lus	Linum usitatissimum Lus100116358	IDLAAEDMTDRIAG	DVKKPSVE	SEKSNALNGL--IVD-AKALLDLNQ	SPTRSPKKGSP-RS
sbi	Sorghum bicolor v1.4_Sb01g035250.1	---DAAGLLP	DEEDLFYDD	LEQAPAAVDPA	PAAA--LKTDEVLKALN
zma	Zea mays GRMZM2G181551_T02	---DAAGLLP	DEEDLFYDD	LEQAPAAVDPA	PAAA--LKTDSVLKALN
zma	Zea mays GRMZM2G5845782_T02	ELVALLAY	DEEDLFYGG	EQA	PAAA--LKTDSVLKALN
zma	Zea mays GRMZM2G045178_T01	ELVALLAY	DEEDLFYGG	EQA	PAAA--LKTDSVLKALN
pvi	Panicum virgatum v0.0_Pavirv00027437m	---DAAGLLP	DEEDLFYDD	PEHAPAAVEAP	QHPAPADNLNTDAVLKALN
pha	Panicum hallii v0.5_Pahal.0073s0105.1	---DSAGLLP	DEEDLFYDD	PEHAPAAVEAP	QHPAP--KTDVAVLKALN
pvi	Panicum virgatum v0.0_Pavirv00024803m	---DAAGLLP	DEEDLFYDD	PEHAPAAVEAP	QHPAPADNLNTDAVLKALN
pvi	Panicum virgatum v0.0_Pavirv00052978m	---DAAGLLP	DEEDLFYDD	PEHAPAAVEAP	QHPAPADNLNTDAVLKALN
bdi	Brachypodium distachyon Braidi1g62300.1	ED-DAAGLLP	ATDDDLFYG	QHHTVALEAA	QPPVA--LKTDAVLKALN
sit	Setaria italica Si037835m	---DAAGLLPDA	LDDDEDFYGD	PEHAPAAVEAP	QHPAPADNLNTDAVLKALN
osa	Oryza sativa LOC_Os03g23010.1	AADDDDLAAGLLPDA	DDDDDLDFD	QTHNLLVDP	QPPAA--LKTVKFIAMSP
sbi	Sorghum bicolor v1.4_Sb02g041980.1	AADDDDLAAGLLPDA	DDDDDLDFD	QTHNLLVDP	QPPAA--LKTVKFIAMSP
zma	Zea mays GRMZM2G327692_T01	AADDFVADLLPD	DSVDLLDMV	TDDLFLYAPDVHHPHAKPAP	PGYD-LDVLRAALS
pvi	Panicum virgatum v0.0_Pavirv00025393m	ADAEADVADLLPD	DSVDLL	TDDLFLYAPDVHHPHAKPAP	PGYD-LDVLRAALS
pvi	Panicum virgatum v0.0_Pavirv00004900m	DDADVADVADLLPD	DSVDLLD	TDDLFLYAPDHH--VAKPA	GYD-LDVLRAALS
pvi	Panicum virgatum v0.0_Pavirv000068884m	DDADVADVADLLPD	DSVDLLD	TDDLFLYAPDHH--VAKPA	GYD-LDVLRAALS
pha	Panicum hallii v0.5_Pahal.0110s0059.1	DDADVADVADLLPD	DSVDLLD	TDDLFLYAPDHH--VAKPA	GYD-LDVLRAALS
sit	Setaria italica Si031348m	DDADVADVADLLPD	DSVDLLDMV	TDDLFLYAPDVHHPHAKPAP	PGYD-LDVLRAALS
zma	Zea mays GRMZM2G037189_T01	---DVAALLPD	DLDD	TNDLFLYAPDVHHPHAKPAP	GYDVLDAVLAALS
osa	Oryza sativa LOC_Os07g46670.2	VFDD-DVAALLPD	DSLDLLDMV	TDDLFLYTPDP	VHKPTTPTLD-ADVLRAALS
bdi	Brachypodium distachyon Braidi1g18780.1	EDBHDDIAALLPDDL	LHDAADFLYS	PPPLFPQPHQDLDLHRYGPAAGFG-GHGMDDAVA	LRAQLSVVN---S