

	10	20	30	40	50	60]
[.
INO	MTTTLNHL-----					[8]
Antirrhinum_majus_B	ML-TLDSL-----					[7]
Oryza_sativa_C	MSSAARHHC-----					[9]
Nymphaea_alba	MSQL-----					[4]
CRC	MNLEEKPTMTASRA-----					[14]
Lepidium_africanum_CRC	MNLDQEKPMTMSRA-----					[14]
Capparis_flexuosa_CRC	MNLEEKSVMDSQA-----					[13]
Cleome_sparsifolia_CRC	MNLEEKPAMASR-----					[12]
Gossypium_hirsutum_CRC2	-----					[0]
Gossypium_hirsutum_CRC1	-----					[0]
Citrus_sinensis_A	MNLEDNISTDLQ-----					[12]
Antirrhinum_majus_A	MDMAN-----					[5]
Lycopersicon_esculentum_B	MDY-----					[3]
Nicotiana_tabacum_CRC1	MDL-----					[3]
Nicotiana_tabacum_CRC2	MDL-----					[3]
Petunia_hybrida_CRC	MDL-----					[3]
Hedysotis_centranthoides	MDL-----					[3]
Grevillea_robusta_CRC	MEF-----					[3]
Aquilegia_formosa_CRC	MDL-----					[3]
Triticum_aestivum_A	MDL-----					[3]
Zea_mays_A	MDM-----					[3]
Oryza_sativa_DL	MDL-----					[3]
Amborella_CRC	MDFL-----					[4]
FIL	MSMSSMSSPSSA-----VCS-PDH-----					[18]
YABBY3	MSSMSMSSSSAP-----AFP-PDH-----					[18]
Populus_tremula	MSSSSS-----LS-LDH-----					[11]
Malus_x_domestica_A	MSSAATTSSTVFNSPDQQQHL-----					[20]
Vitis_shuttleworthii_A	MSSSST-----LS-LDH-----					[11]
Citrus_sinensis_B	MSSSTPAA-----LS-PDH-----					[13]
Antirrhinum_majus_GRAM	MSSSSA-----FA-PDHHH-----					[13]
Solanum_tuberosum_A	MSSSNS-----LS-LDHLPPPPP-----					[18]
Lycopersicon_esculentum_A	MSSSSAA-----FA-PDHHLHHHLS-----					[20]
Chrysanthemum_x_morifolium	MSSSS-----FS-PDHHHHH-----					[16]
Aquilegia	MSSSSA-----FS-LDH-----					[11]
ChloYAB324	MSSSSA-----FS-LDH-----					[11]
ChloYAB329	MSSSS-----FSQLDH-----					[11]
Oryza_sativa_A	MSSSSSSSA-----VFP-LDHLAA-----					[18]
Oryza_sativa_B	MSSSSSSASSAAAAAFRAPAVVQ-----REQQVEEKFPAAAAMREMVLPPVAAAAA-----					[53]
Triticum_aestivum_B	MSSSSSGASAA-----FT-PVSQQQQMAPENLSELQPPAPMQP-----					[40]
Zea_mays_B	-----GTSCFP-LDHLA-----					[11]
Nuphar_advena_A	MSSSSIFGL-----D					[10]
Amborella_trichopoda_A	-----					[0]
YABBY5	MANS-----					[4]
Populus_euphratica	MSSC-----ID					[6]
Malus_x_domestica_B	MTSC-----V					[5]
Vitis_shuttleworthii_B	-----					[0]
Gossypium_raimondii	MSTCT-----					[5]
Antirrhinum_majus_PROL	M-----					[1]
Lycopersicon_esculentum_C	MASCI-----					[5]
Solanum_tuberosum_B	MASC-----I					[5]
YABBY2	MS-----V					[3]
Populus_balsamifera	MSP-----					[3]
Vitis_vinifera	MS-----L					[3]
Malus_x_domestica_C	MS-----MD					[4]
Citrus_sinensis_C	MS-----L					[3]
Antirrhinum_majus_C	MS-----L					[3]
Lycopersicon_esculentum_E	MT-----YS					[4]
Persea_americana	MS-----V					[3]
Oryza_sativa_FIL1	MS-----V					[3]
Oryza_sativa_D	MS-----V					[3]
Oryza_sativa_FIL2	MSAO-----I					[5]
Asparagus_officinalis	-----					[0]
Lycoris_longituba	-----					[0]
Nuphar_advena_	MS-----M					[3]
Amborella_trichopoda_B	-----					[0]
Amborella_trichopoda_C	MS-----L					[3]
Welwitschia_mirabilis	MSACN-----GLDVDP-					[11]

Cycas_rumphii_	M-----	EAS--	[4]				
Pinus_taeda	MSTS-----	GFEVG-	[9]				
Picea_sitchensis	MSTS-----	GFEVG--	[9]				
[70 . . .	80 . .	90 . .	100 . .	110 . .	120 . .	
	dCRC-ZnF →						
INO	FDLPGQICHVQCGFCCTILLVSVPFTSLSMVVTVRCGHCTSLLS--VNLMKASFIPLHLL	[66]					
Antirrhinum_majus_B	FDFAQEQICIVQCGFCCTILLVSVPKNCLSMAVTVRCGHCTSILS--VNIPDAYFVPLHFF	[65]					
Oryza_sativa_C	SGLRERLGCVCQSCFCATVLLSVPCCSSVLRVVAVQCQCHGCSGILSA--VNLPSPSPVSASIEL	[68]					
Nymphaea_alba	LDLQLCYVQCSFCDTILLSVPCSSLKVVPPVRCHGCSNLFS--VNMLKASFLPLQLL	[62]					
CRC	SPOAEHLYYVRCSICNTILAVGIPLKRMMDTPTVKCCHCGNLSF--LTTTPP-----L	[65]					
Lepidium_africanum_CRC	SPQAELHLYYVRCSICNTILAVGIPMKRMLDTPTVKCCHCGNLSF--LTTSLP-----L	[65]					
Capparis_flexuosa_CRC	PTQSEHLCYVRCNCFCNTVLAVGIPCKRMLDTPTVKCCHCGNLSF--LSVRPP-----L	[64]					
Cleome_sparsifolia_CRC	ANOSDHLCYVRCNCFCSTILAVGIPLTRMLDTPTVKCCHCGNLSF--LTTTKP-----L	[63]					
Gossypium_hirsutum_CRC2	VPOSEHLCYVRCNCFCNTVLAVGIPCKRMLLETPTVKCCHCGNLSF--LSTRPP-----L	[51]					
Gossypium_hirsutum_CRC1	VPOSEHLCYVRCNCFCNTVLAVGIPCKRLLDTPTVKCCHCGNLSF--LSTRPP-----L	[51]					
Citrus_sinensis_A	VPOSEHLCYVRCNCFCNTVLAVGIPCKRLLDTPTVKCCHCGNLSF--LSTRPP-----Q	[63]					
Antirrhinum_majus_A	QSSEHLCYVRCNCFCNTVLAVGIPCKRLLDTPTVKCCHCGNLSF--LSTRPP-----I	[56]					
Lycopersicon_esculentum_B	VQSEHLCYVRCNCFCNTVLAVGIPYKRLMDTPTVKCCHCGNLSF--LTTTRPP-----I	[54]					
Nicotiana_tabacum_CRC1	VQSEHLCYVRCNCFCNTVLAVGIPYKRLMDTPTVKCCHCGNLSF--LSTRPP-----L	[54]					
Nicotiana_tabacum_CRC2	VQSEHLCYVRCNCFCNTVLAVGIPYKRLMDTPTVKCCHCGNLSF--LSTRPP-----L	[54]					
Petunia_hybrida_CRC	AQTEHLCYVRCNCFCNTVLAVGIPFKRLLDTPTVKCCHCGNLSF--LSTRPP-----L	[54]					
Hedysotis_centranthoides	VQSEHLCYVRCNCFCNTVLAVGIPCKRLLDTPTVKCCHCGNLSF--LSTRPPPPPPTL	[61]					
Grevillea_roberta_CRC	SSSEHLCYVRCNCFCNTVLAVGIPCKRLLDTPTVKCCHCGNLSF--LSTRPPP-----L	[55]					
Aquilegia_formosa_CRC	IPSPEHLCYVRCNCFCNTVLAVGIPCKRLLDTPTVKCCHCGNISF--LSTRPP-----I	[54]					
Triticum_aestivum_A	VSPSEHLCYVRCRTYRNTVLSVGPKRLLMDTPTVKCCHCNNSY--LSPRPP-----PMV	[56]					
Zea_mays_A	VQSEHLCYVRCRTYCNVLAVGVPCKRLLMDTPTVKCCHCNNSY--LSPRPP-----MV	[55]					
Oryza_sativa_DL	VSPSEHLCYVRCRTYCNVLAVGVPCKRLLMDTPTVKCCHCNNSY--LSPRPP-----MV	[55]					
Amborella_CRC	PGSTDHLCYVRCNCFCNTLLAVGVPCKRLLMDTPTVKCCHCSHLSF--LSARP-----LL	[55]					
FIL	FSPSDHLCYVQCNFCQTIALAVNPYTSFLKTVTVCRCGCTNLLS--VNMR-----YV	[69]					
YABBY3	FSSTDQLCYVHCSFCDTVLAVSVPPSSLFKTVTVCRCGHSNLLS--VTVMRA-----LL	[71]					
Populus_tremula	LPPSEQLCYVHCNCIDCTVLAVSVPCPTSLFKTVTVCRCGHTNLLP--VNMRG-----LF	[62]					
Malus_x_domestica_A	LPPTDQLCYVHCNCDFDTVLAVSVPCSSLFKTVTVCRCGHSNLLS--VNMR-----LL	[71]					
Vitis_shuttleworthii_A	LPPSEQLCYVHCNCIDCTVLAVSVPCPTSLFKTVTVCRCGHTNLLP--VNLRG-----LL	[62]					
Citrus_sinensis_B	LSSSEQLCYVHCFCDTVLAVSVPCPTSLFKTVTVCRCGHTNLLS--VNMRG-----LL	[64]					
Antirrhinum_majus_GRAM	LTPSEQLCYVHCNCDFDTVLAVSVPCPTSLFKTVTVCRCGHTNLLS--VNMRG-----LL	[64]					
Solanum_tuberosum_A	PPPSEQLCYVHCNCDFDTVLAVSVPCPTSLFKTVTVCRCGHTNLLP--G-----WL	[65]					
Lycopersicon_esculentum_A	PPSGEQLCYVQCNFCDFDTVLAVSVPCCSSFFKNVTVRCGHTNLLS--VN-----II	[68]					
Chrysanthemum_x_morifolium	SPTSEQLCYVQCNFCDFDTVLAVSVPCGSLFKTVTVCRCGHTNLLS--VNMR-----LL	[67]					
Aquilegia	LSPSEQLCYVHCNCDFDTVLAVSVPCSSLFKTVTVCRCGHTNLLS--VNMRG-----LL	[62]					
ChloYAB324	ISPSEQLCYVHCNCDFDTVLAVSV?CSILYKTVTVCRCGHTNLLS--VNMRG-----LL	[62]					
ChloYAB329	IPPSDQLCYVHCNCDFDTVLAVSVPCSSLFKTVTVCRCGQCTNLLS--VNMRG-----LL	[62]					
Oryza_sativa_A	PSPTEQLCYVHCNCDFDTVLAVGVPCSSLFKTVTVCRCGHANLLS--VNLRG-----LL	[69]					
Oryza_sativa_B	DSEQEQLCYVHCCHYCDTVLVSVPSSSLFETVTVRCGCHSSLLT--VNMRG-----LL	[104]					
Triticum_aestivum_B	EAPSEQLCYVHCCHCDFDTVLVSVPSSSLFKTVTVCRCGCHSSLLT--VDMRG-----LL	[91]					
Zea_mays_B	PSPTEQLCYVHCNCDFDTVLAVGVPCSSLFDIVTVRCGHCANLLS--VNLRG-----LL	[62]					
Nuphar_advena_A	HLOPEQLCYVHCNCDFNTVLAVSVPCSSLFKIVTVRCGHTNLLS--VNMR-----LL	[61]					
Amborella_trichopoda_A	GLASEQLCYVHCNCDFDTVLAVSVPCSSLFKMVTVCRCGHTNVLS--VDTRG-----LL	[51]					
YABBY5	VMATEQLCYIPCNFCNIILAVNVPCCSSLFDIVTVRCGHTNLWS--VNMAAA-----LQ	[56]					
Populus_euphratica	AVPNEQLRYIPCNFCNIILAVSVPCSSLFDIVTVRCGCHCTNIWS--VNMAAT-----FQ	[58]					
Malus_x_domestica_B	DVATEQLCYIPCNFCSIILAVSVPCSSLFDIVTVRCGHTNLWS--VNMAAA-----FQ	[57]					
Vitis_shuttleworthii_B	DVASEQLCYIPCNFCNIILAVSVPCSSLFDIVTVRCGHTNLWS--VNMAAA-----FQ	[52]					
Gossypium_raimondii	NLAPEQLCYIPCNFCNIILAVSVPCSSLFDIVTVRCGHTNLWS--VNMAAA-----FQ	[57]					
Antirrhinum_majus_PROL	DV-PEQLCYISCNFCSIILAVSVPCSSLFDVVTVCRCGHTNLWS--VNMAAAAA---FQ	[54]					
Lycopersicon_esculentum_C	DVASDQLCYIPCNFCNIILAVSVPCSSLFDIVTVRCGHTNLWS--VNMAAA-----FQ	[57]					
Solanum_tuberosum_B	DVASDQLCYIPCNFCNIILAVSVPCSSLFDIVTVRCGHTNLWS--VNMAAA-----FQ	[57]					
YABBY2	DFSSSERVCYVHCNFCDTILAVSVPVYASLFLTVTVCRCGHTNLLS--LNIGVS-----LH	[55]					
Populus_balsamifera	ELVSEPVCVYVHCNCNTILAVSVPVYASLFLNIVTVRCGHCNLLS--VNMGAS-----LQ	[55]					
Vitis_vinifera	DITPERVCYVHCNCNTILAVSVPCPTSLFTVTVRCGCHCANLLS--VNMGAL-----LQ	[55]					
Malus_x_domestica_C	LMASERVCYVHCNCNTILAVSVPCNSSLNMVTVRCGCHCANLLS--VNIGGS-----LQ	[56]					
Citrus_sinensis_C	DLASERVCYVHCNCNTILAVSVPCSSLFNIVTVRCGCHCANLLN--VNMSA-----LQ	[55]					
Antirrhinum_majus_C	DMTSERVCYVHCNCNTILAVSVPCSSMFTIVTVRCGCHCANLLS--VNMGAL-----LQ	[55]					
Lycopersicon_esculentum_E	SSSERVCYVHCNFCDTILAVSVPCNSMMTIVTVRCGCHCANLLS--VNIAPS-----LQ	[56]					
Persea_americana	DVSCERMCYVHCNCNTILAVSVPVYNSLFLNVTVRCGHCAYLLP--VNVGSM-----IQ	[55]					
Oryza_sativa_FIL1	QFTSEHVCYVNCYCNTILVVNVPNNCNSYINVTVRCGCHTMVLS--MDLAP-----FH	[54]					
Oryza_sativa_D	QFTSEHVCYVNCYCNTILVVNVPNNCNSYINVTVRCGCHTMVLS--MDLAP-----FH	[54]					
Oryza_sativa_FIL2	VPAPEHVCYVHCNCNTIFAVSVPSNSMLNIVTVRCGHTSLLS--VNLRGL-----VQ	[57]					
Asparagus_officinalis	VIAPEHVCYVHCNCNTILAVNVPSNNLFSIVTVRCGCHCANLLS--VNMGAL-----VQ	[52]					
Lycoris_longituba	QLATEHVCYVHCNCNTILAVNVPGNYLLNIVTVRCGCHTNLLS--VNMGSL-----LQ	[52]					
Nuphar_advena_	EMGNEHVYYLPCNFCNTILAVSVPCPTNLNIVTIRCGHCSNLQS--VNMGAL-----LP	[55]					
Amborella_trichopoda_B	-----VRCGHTNLLS--VNMAAV-----LH	[19]					
Amborella_trichopoda_C	ENPSEHVCYVQCNLCNTILAVSVPGSCLFGIVTVRCGCHTNLLS--MNMGAL-----LQ	[55]					
Welwitschia_mirabilis	---REQLCYVPCTNCSTVLAVSVPLKSLFKVVTIRCGHCHNNLIS--VDMRG-----LT	[59]					

Cycas_rumphii_	---SEHLCYVSCSFCASTILAVSVPCCSSLFKIVTVRCGHCTNLLS--VNMGGL-----LQ [53]					
Pinus_taeda	---SDHLCYVHCDYCNTILAVNVPCNSLYRTVTVRGCHCENNLLS--VNMAPL-----LQ [58]					
Picea_sitchensis	---QDHLCYVHDFCSTILAVNVPCNSLYRIVTVRCGHCTNLLS--VNMAPL-----LQ [58]					
[130	140	150	160	170	180]
[.]
INO	AS-----	LSHLDETGKEEVAATDGVEEEAWKV [93]				
Antirrhinum_majus_B	SS-----	INQQEOMSIOPKQEACSVERMAGDHKKAG [95]				
Oryza_sativa_C	TP-----	QMKGELDAGPPP----- [82]				
Nymphaea_alba	AS-----	INNEAKQDSFENAPVKI----- [81]				
CRC	OG-----	HVSLTLO--MQSGGGS [81]				
Lepidium_africanum_CRC	HG-----	HVSLTLO--MQSGGGS [81]				
Capparis_flexuosa_CRC	HG---QC-LDH-----	QVNLTLO--TQSFCGN [85]				
Cleome_sparsifolia_CRC	OG---QC-LDR-----	HVSLTLO--MQSGGGS [84]				
Gossypium_hirsutum_CRC2	OG---QC-LDP-----	QTSLTLO---SFCG- [69]				
Gossypium_hirsutum_CRC1	OG---QC-LDP-----	QTSLTLO---SFCG- [69]				
Citrus_sinensis_A	QGPSQM-SLR-----	FQ-EKQFCN- [81]				
Antirrhinum_majus_A	QG---QY-YDH-----	QT-SLH--HQSLCS- [74]				
Lycopersicon_esculentum_B	QG---QC-FDH-----	QP-NIQ---GYCS- [70]				
Nicotiana_tabacum_CRC1	QG---QC-FDH-----	QS-ALQ--HOTFFS- [72]				
Nicotiana_tabacum_CRC2	QG---QC-FDH-----	QT-ALQ--HQAFFS- [72]				
Petunia_hybrida_CRC	QG---QC-FDH-----	QT-ALQ--HQAFFS- [72]				
Hedysotis_centranthoides	QP---QS-FDH-----	PPS--IQSFFS- [77]				
Grevillea_robusta_CRC	QG---QF-LDR-----	HYPVPLPCQ--MQGFSA- [77]				
Aquilegia_formosa_CRC	QG---QC-LDH-----	QV-DAFQSFRN----- [71]				
Triticum_aestivum_A	QP---LSPNDH-----	HHPMGPFGW----- [75]				
Zea_mays_A	QP---LSPTDH-----	PLGPFQCQGPCN--- [75]				
Oryza_sativa_DL	QP---LSPTDH-----	PLGPFQGPCT----- [73]				
Amborella_CRC	QN---QSLELLST-----	QN---FCG----- [70]				
FIL	LPA-----S-----	NQLQLQLGPHSYF- [86]				
YABBY3	LPS-----VS-----	NLG-HSFL-- [83]				
Populus_tremula	LPS-----AS-----	QFPLG-HNFY-- [76]				
Malus_x_domestica_A	LPP-----P-----	NNNNQLHLP-HFFF-- [88]				
Vitis_shuttleworthii_A	LPS-----A-----	NQLHLG-HAFF-- [76]				
Citrus_sinensis_B	LPA-----A-----	NQLHLG-HFFF-- [78]				
Antirrhinum_majus_GRAM	LPA-----A-----	NQLHLG-HSFF-- [78]				
Solanum_tuberosum_A	LPS-----T-----	NHHHFG-HTYF-- [80]				
Lycopersicon_esculentum_A	LPT-----AA-----	NQLHLP-HSFF-- [83]				
Chrysanthemum_x_morifolium	FPA-----SVTTTAAA-----	NQFHG-HNFF-- [88]				
Aquilegia	LPT-----GA-----	NQLHFG-HSFF-- [77]				
ChloYAB324	LPS-----A-----	NQLHLG-HTFF-- [76]				
ChloYAB329	LAS-----A-----	HOLNLG-HSLF-- [76]				
Oryza_sativa_A	LPA-----PAPAPA-----	NQLHFG-PSLL-- [88]				
Oryza_sativa_B	LPT-----TAAAAPPBBBBBBBBBAA-----	HFP-HSLNLA [137]				
Triticum_aestivum_B	FPT-----TTTTVAESAASAVTTTSPPPAAAHHGOFHYP-SSLNLA	[134]				
Zea_mays_B	LPP-----AAPAPP-----	NHLNFA-HSLLSP [83]				
Nuphar_advena_A	QPS-----PPPEPA-----	LTPPSLPNHFQFF-- [82]				
Amborella_trichopoda_A	HPT-----AAT-----	OLHLG-HAFF-- [66]				
YABBY5	S---LSRPN---FQ-----	[64]				
Populus_euphratica	S---LP-----WQDQV---Q-----	[67]				
Malus_x_domestica_B	S---PS-----WQD-V---Q-----	[65]				
Vitis_shuttleworthii_B	S---LS-----WQD-V---Q-----	[60]				
Gossypium_raimondii	S---LS-----WQD-V---QV-----	[66]				
Antirrhinum_majus_PROL	S---LQ-PH-----WQDAVVHQ-----	[67]				
Lycopersicon_esculentum_C	S---SSSAS---WQN---HOV-----	[69]				
Solanum_tuberosum_B	S---SSS---QNHH-IQV-----	[68]				
YABBY2	QTSAPP-----HQDLQ-----PHRQHTTSLVTR-----	[79]				
Populus_balsamifera	T---LP-----LQDPQ-----KLLLINS-----EDLN-----	[74]				
Vitis_vinifera	T---VPT-----QDLQ-----SQKQLSC-----GDPS-----	[75]				
Malus_x_domestica_C	STIPP-----HQDPO-----KQHLSS-----EDSN-----	[77]				
Citrus_sinensis_C	A---VP-----LQDPQ-----LQKQHINL-----EDSIT-----	[76]				
Antirrhinum_majus_C	S---VH-----LQDFQ-----KQQH-----GEAAA-----	[72]				
Lycopersicon_esculentum_E	S---LP-----IQDLQ-----RQNESSI-----EDGMS-----	[76]				
Persea_americana	T---FP-----FQDFQ-----HQNFSCQ-----DSD-----	[73]				
Oryza_sativa_FIL1	Q---ART-----VQD-----HQVNNGRFQGN-----	[72]				
Oryza_sativa_D	Q---ART-----VQD-----HQVNNGRFQGN-----	[72]				
Oryza_sativa_FIL2	A---LPAEDH---LQDNL-----KMHNMSFR-----ENYS-----	[81]				
Asparagus_officinalis	A---L---H---LQDFQ-----KLQNHQVAS-----QDSHG-----	[74]				
Lycoris_longituba	A---LP-----LQDLO-----KFQNHQKAS-----QGSRG-----	[74]				
Nuphar_advena_	AA---IP-----IQGVQLQN-----HAYNS-----QQHGM-----	[77]				
Amborella_trichopoda_B	APSILTPAPAN---LQHDQLL---RNQSLTGSHGYNRMCCCCMTTM-----	[57]				
Amborella_trichopoda_C	T---IPFHD---LQN-----QSVAPQER-QRM-----	[75]				
Welwitschia_mirabilis	---VPQFFQSQP-VPALSVG-----	[75]				

Cycas_rumphii_	P--LP-YQAPTGQQNQSFNS---YDHHRK-----	[76]
Pinus_taeda	S--LA-----QDPQQQGQNTGTYDYNR-----	[78]
Picea_sitchensis	S--LP-----QQAQOOGPNTGPHDYTR-----	[78]
[190 200 210 220 230 240]	
[• • • • • •]	
INO	NQEKENSPPTL--VSSSDNED-----	[112]
Antirrhinum_majus_B	MTLCFSS----DEEY-----	[107]
Oryza_sativa_C	-----GEYSDESSGDDREGRDAE-----	[100]
Nymphaea_alba	--GD----TTF--MESLY-----	[91]
CRC	-----DYK--KGSSSSSSS-----STSS-----	[97]
Lepidium_africanum_CRC	-----EYK--KGSSSSSSS-----STSS-----	[97]
Capparis_flexuosa_CRC	-----ELK--KGSSSSSSS-----STSS-----	[102]
Cleome_sparsifolia_CRC	N-----ELK--KGSSSSSSS-----STSS-----	[102]
Gossypium_hirsutum_CRC2	-----DFR--KGTQFPSPSS-----STSS-----	[86]
Gossypium_hirsutum_CRC1	-----DFR--KGTQFPSPSS-----STSS-----	[86]
Citrus_sinensis_A	-----DFK--LGNASSSSS-----STSS-----	[97]
Antirrhinum_majus_A	-----EFK--KGSSSSFSS-----STSS-----	[90]
Lycopersicon_esculentum_B	-----ELK--NKGQASSSTS-----STSS-----	[87]
Nicotiana_tabacum_CRC1	-----DFK--KG-QSSS-----SSSS-----	[85]
Nicotiana_tabacum_CRC2	-----DFK--KG-QSSS-----SSSS-----	[85]
Petunia_hybrida_CRC	-----DYK--KG-QSSSSFS-----SSSS-----	[88]
Hedysotis_centranthoides	-----KFK--KG-QTSSSASS-----STSS-----	[94]
Grevillea_robusta_CRC	-----DYR--KG-QSSQSLTSS-----STSS-----	[95]
Aquilegia_formosa_CRC	-----EYR--KG-QSSSSSSSTCGQPTSPN-----	[94]
Triticum_aestivum_A	-----DCR--RN-QPLPLAS-----PTSS-----	[92]
Zea_mays_A	-----DCR--RN-QPLPLAS-----PSST-----	[91]
Oryza_sativa_DL	-----DCR--RN-QPLPLVS-----PTS-N-----	[89]
Amborella_CRC	-----DNK--KSQQQSSSS-----PLTP-----	[86]
FIL	-----NPQD--ILEELRDAPSNMNMMMNQHPTM---NDIPSF-----	[120]
YABBY3	-----PPPPPPPPN--LLEEMRSGGQNINNMNMMMSHHASAHPNEHLVMAT-RNGRSV-----	[134]
Populus_tremula	-----SPSRN--LLDDQIPNPTPN--FLI--NQT--HV---NDFSV-TV-RGMS-----	[112]
Malus_x_domestica_A	-----STPHN--LLEEIRNTPSNT-ITN-HQPNYT---NES?M-PI-RGGGF-----	[126]
Vitis_shuttleworthii_A	-----SPSHN--ILEEMPNSPN--FLI-NQTTA---NDFSV-SA-RGGA-----	[111]
Citrus_sinensis_B	-----TPQN--LLEEIRNPAN--MLM-INPPNP---ADQSVMPV-RVV-----	[113]
Antirrhinum_majus_GRAM	-----SPQN--LLEEIRNSPSN--LLM-NQP-NP---ND-SMMPV-RGL-----	[111]
Solanum_tuberosum_A	-----SPSHS--LLEEISNATPN--FLM-NQS-NSA---HEFVQLPA-RPGF-----	[117]
Lycopersicon_esculentum_A	-----SPHN--LLDEIRNNPPS--LLM-NQQINP---NE-SLMPV-RGGV-----	[118]
Chrysanthemum_x_morifolium	-----SAQS--LMEEMRNPNTPAN--LFL-NQP-NP---ND-HFGPV-RV-----	[120]
Aquilegia	-----SPTHN--LLEEIPSPPPN--LLI-DQS-NP---NDHLMMPVIRGGT-----	[114]
ChloYAB324	-----SPSHN--LLEEIPSPHPS--LML-DQT-NQ---NE-AMALAKGA-----	[110]
ChloYAB329	-----TPSHN--LLEEIPSLPPS--LLV-DQP-NS---NH--SGISVRGT-----	[110]
Oryza_sativa_A	-----SPTSPHG--LLDEVAFQTPS--LLM-EQAASASLS-----SITGRSS-SSCASN	[131]
Oryza_sativa_B	PANPP--HHHS--LLDEISTANSPTQLL-EQHGLGGLM---ASAASCRNNNNSPAAA	[187]
Triticum_aestivum_B	PGNP---PRHS--LLDEISANSPLQ-LI-EQHGLGGLI---AAAGGRNAAAPAP--	[179]
Zea_mays_B	T---SPHG--LLDELALQAPS--FLM-EQASAN-LS---STMTGRSSSNSSCASN	[126]
Nuphar_advena_A	PPSLNLPVVRHD--PQEEITAAAS---MLL-EH---SIM-KDSAASSVSRVA-----	[124]
Amborella_trichopoda_A	-----SPTPHN--LLDECSPPPSS--LLL-DH---PLMTPSNTGSASTR-----	[101]
YABBY5	AT--NYAVP-----EYGSSSSRSH-T-----KIPSR-----	[86]
Populus_euphratica	AS--NHNSHDYRI-----DLGSSSKFN-N-----KISVR-----	[93]
Malus_x_domestica_B	AQNYNYNSQNYRI-----DGSSSSRCT-K-----KNATR-----	[93]
Vitis_shuttleworthii_B	AP--NYTSPDYRI-----DLGSSSKCN-T-----KMAMR-----	[86]
Gossypium_raimondii	GA--SYATQDYRT-----DLGSSSKCN-T-----KFSMR-----	[92]
Antirrhinum_majus_PROL	AP--NHASTEYKV-----DLGSSSRWN-N-----KMAVO-----	[93]
Lycopersicon_esculentum_C	-P--NYTAPEYRM-----DFGSSTKCNMN-----RMSMR-----	[95]
Solanum_tuberosum_B	-P--NYTAPEYRM-----DFGSSTKCNMN-----RMSMR-----	[94]
YABBY2	-----KDCASSS-----RSTNNL---SEN-----	[95]
Populus_balsamifera	-----KNFGSSS-----KC-NKVT-A-SES-----	[91]
Vitis_vinifera	-----EDCGSSS-----KC-NKFS-A-FES-----	[92]
Malus_x_domestica_C	-----KNCGSSSSSSSSSS-----KS-NKFCHA-FES-----	[102]
Citrus_sinensis_C	-----KDRGSSS-----KC-NKFSSA-FEI-----	[94]
Antirrhinum_majus_C	-----KDNGSSS-----KS-NRYAP--LQ-----	[88]
Lycopersicon_esculentum_E	-----RGYGSSSSST-----NSFHFRSP--IP-----	[96]
Persea_americana	-----KECGSSS-----KT-NKMS---DST-----	[89]
Oryza_sativa_FIL1	-----NFGSYDIAS-----RN-QRTSTAMY-----	[91]
Oryza_sativa_D	-----NFGSYDIAS-----RN-QRTSTAMY-----	[91]
Oryza_sativa_FIL2	-----EYGSSS-----RY-DRVPM--FS-----	[97]
Asparagus_officinalis	-----DNGSSS-----RC-NRPSIM-LT-----	[90]
Lycoris_longituba	-----DCSSTS-----KY-NSTSVMTFS-----	[91]
Nuphar_advena_	-----ECGSSS-----RF-SMIPMM--G-----	[93]
Amborella_trichopoda_B	-----DSSSTSNNFNHDDINNKV--LIPNESI-----	[82]
Amborella_trichopoda_C	-----EDGSSSKSI--KDSE-----TIPS-----	[92]
Welwitschia_mirabilis	-----QASTSNPPFKNTLNHNHFNYHEN-----AYNPPLY	[104]

Cycas_rumphii_	-----DSASSSTCS-----	-----EAAMI---SYA----	[93]			
Pinus_taeda	-----DPASSST-----	-----VIRD-ASYL----	[93]			
Picea_sitchensis	-----DPASSST-----	-----AIND--AYP----	[92]			
[250	260	270	280	290	300]
[.]
INO						
Antirrhinum_majus_B	E--DVSRYVQVVN	K--PPEKRQRAPSPAYNCPIKEEIRRKAQNP	[152]			
Oryza_sativa_C	E--DSLHLNQLVLH	K--PPEKKQRAPSAYNHFIKKEIKRLKIEYP	[147]			
Nymphaea_alba	DDAPAPAAAAN	K--PPERKQRTPSAYNCFVKEEKRIESMEP	[142]			
CRC	E--EERRPAFTVN	K--PPEKRHRAPSAYNRFIKEEIQRLKTSEP	[131]			
Lepidium_africanum_CRC	DO--PPSPSPFVV	K--PPEKKQRLPSAYNRFMRDEIQRINKSANP	[138]			
Capparis_flexuosa_CRC	DQ--PPSPPTPFVV	K--PPEKKQRLPSAYNRFMRDEIQRINKTANP	[138]			
Cleome_sparsifolia_CRC	DQ--PSSPKAPFVV	K--PPEKKHRLPSAYNRFMKEEIQRINKAANP	[143]			
Gossypium_hirsutum_CRC2	DQ--PPFPFTAFFVV	K--PPEKKQRLPSAYNRFMREEIQRINKAANP	[143]			
Gossypium_hirsutum_CRC1	E--PSSPKAPFVV	K--PPEKKHRLPSAYNRFMKEEIQRINKAANP	[126]			
Citrus_sinensis_A	E--PSSPKAPFVV	K--PPEKKHRLPSAYNRFMKEEIQRINKAANP	[126]			
Antirrhinum_majus_A	E--PLSPKAPFVV	K--PPEKKHRLPSAYNRFMKEEIQRINKAANP	[137]			
Lycopersicon_esculentum_B	E--PLSPKAPFVV	K--PPEKKHRLPSAYNRFMKEEIQRINKAANP	[130]			
Nicotiana_tabacum_CRC1	E--PLSPKAPFVV	K--PPEKKHRLPSAYNRFMKEEIQRINKSENP	[127]			
Nicotiana_tabacum_CRC2	E--PSSPKAPFVV	K--PPEKKHRLPSAYNRFMKEEIQRINKAANP	[125]			
Petunia_hybrida_CRC	E--PSSPKAPFVV	K--PPEKKHRLPSAYNRFMKEEIQRINKAANP	[125]			
Hedysotis_centranthoides	E--PLSPKAPFVV	K--PPEKKHRLPSAYNRFMKEEIQRINKAANP	[128]			
Grevillea_robusta_CRC	E--QLSPKAPFVV	K--PPEKKHRLPSAYNRFMKEEIQRINKSAKP	[135]			
Aquilegia_formosa_CRC	E---PN--YVVK	K--PPEKHRLPSAYNRYMKEEIQRINKSANP	[129]			
Triticum_aestivum_A	D---ASPRAPFVV	K--PPEKKHRLPSAYNRFMREEIQRINKAkp	[131]			
Zea_mays_A	E---LSPRMPFVV	K--PPEKKHRLPSAYNRFMREEIQRINKAkp	[130]			
Oryza_sativa_DL	E---GSPRAPFVV	K--PPEKKHRLPSAYNRFMREEIQRINKAkp	[128]			
Amborella_CRC	NQQ--VVPKVPNVV	K--PPEKKHRLPSAYNRFMKEEIKRKAGNP	[127]			
FIL	--DLHQH-	E--IPK--APPVN	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[164]		
YABBY3	--DHQ-	E--MPR--PPPAN	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[176]		
Populus_tremula	--DH-	E--LPR--PPVIS	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[152]		
Malus_x_domestica_A	--DHHQ-	E--IPK--PPAVVN	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[169]		
Vitis_shuttleworthii_A	--D-	E--LPR--PPVIN	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[150]		
Citrus_sinensis_B	--DH-Q-	E--IPK--SPVNV	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[154]		
Antirrhinum_majus_GRAM	--D-	E--LPK--PPVAN	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[150]		
Solanum_tuberosum_A	--D-	D--LPR--PPPVIN	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[157]		
Lycopersicon_esculentum_A	--D-	E--IPK--PPVAN	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[157]		
Chrysanthemum_x_morifolium	--D-	E--LPK--PPVAN	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[159]		
Aquilegia	--D-	E--LPR--QPAAN	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[153]		
ChloYAB324	--D-	E--VPR--NPVNV	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[149]		
ChloYAB329	--E-	E--NPK--TPVIN	R--RQEKRQRVPSAYNQFIKEEIQRINKAVNP	[149]		
Oryza_sativa_A	APAMQ--MPPAKPVQQEPE	--LPKNAPASAN	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[187]		
Oryza_sativa_B	APPPPTSQGKAAAK	--E--PSPRNTAVIN	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[242]		
Triticum_aestivum_B	LPPP--VAGGGKGK	--E--PSPRTNP	VVN	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[232]	
Zea_mays_B	LPPPAPMPAAQPVQQEAE	--LPKTAPS	VN	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[182]	
Nuphar_advena_A	--DHTTR--TTT-VN	R--PPEKRQRVPSAYYRF	IKEEIQRINKAGNP	[164]		
Amborella_trichopoda_A	--LQEN--	E--ALH-SP--VS	R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[142]		
YABBY5	-IST--RTI	--TEQRIVN	R--PPEKRQRVPSAYNQFIKEEIQRINKANP	[128]		
Populus_euphratica	-TPAANI--V	--TQERVVN	R--PPEKRQRVPSAYNQFIKEEIQRINKANP	[136]		
Malus_x_domestica_B	-DPTS DH-L	--TEERGVN	R--PPEKRQRVPSAYNQFIKEEIQRINKANP	[136]		
Vitis_shuttleworthii_B	-APASNI	--SEERIVN	R--PPEKRQRVPSAYNQFIKEEIQRINKANP	[128]		
Gossypium_raimondii	-APS--KNA	--TEERVVN	R--PPEKRQRVPSAYNQFIKEEIQRINKANP	[134]		
Antirrhinum_majus_PROL	--PSITK	--PEQRIVN	R--PPEKRQRVPSAYNQFIKEEIQRINKANP	[134]		
Lycopersicon_esculentum_C	-TP-ITNNV	--HEERIVN	R--PPEKRQRVPSAYNQFIKEEIQRINKANP	[138]		
Solanum_tuberosum_B	-TP-ITNNV	--HEERIVN	R--PPEKRQRVPSAYNQFIKEEIQRINKANP	[137]		
YABBY2	--ID--R-EAPRMPI	--R--PPEKRQRVPSAYNQFIKEEIQRINKACNP	[135]			
Populus_balsamifera	--TE--H-EAPRMPI	--R--PPEKRQRVPSAYNRFIKEEIQRINKASNP	[131]			
Vitis_vinifera	--AE--H-EQPRMPP	--R--PPEKRQRVPSAYNRFIKEEIQRINKASNP	[132]			
Malus_x_domestica_C	--LEL--H-DQPRISPI	--R--PPEKRQRVPSAYNRFIKEEIQRINKASNP	[143]			
Citrus_sinensis_C	--AE--H-ETPRMPP	--R--PPEKRQRVPSAYNRFIKEEIQRINKASNP	[134]			
Antirrhinum_majus_C	--AE--H-EQPKMPP	--R--PPEKRQRVPSAYNRFIKEEIQRINKAGNP	[128]			
Lycopersicon_esculentum_E	--TD--H-DQPRSPPI	--R--VPEKRQRVPSAYNRFIKEEIQRINKASNP	[136]			
Persea_americana	--ED--DQPRILPI	--R--PPEKRQRVPSAYNKFKEEIQRINKASNP	[128]			
Oryza_sativa_FIL1	--PM--PTSQQQVSP	I	R--PPEKRQRVPSAYNRFIKEEIQRINKTSNP	[132]		
Oryza_sativa_D	--PM--PTSQQQVSP	I	R--PPEKRQRVPSAYNRFIKEEIQRINKTSNP	[132]		
Oryza_sativa_FIL2	--KNDTEHMLHV	R--PPEKRQRVPSAYNRFIKEEIRRIKANP	[136]			
Asparagus_officinalis	--QE--H-DQQQLLP	I	R--PPEKRQRVPSAYNRCIKEEIQRINKANP	[130]		
Lycoris_longituba	--QO--H-DQQQLLP	I	R--TPEKRQRVPSAYNRFIKEEIQRINKANP	[131]		
Nuphar_advena_	--PE--KNE-QRMPNN	I	R--PPEKRQRVPSAYNRFIKEEIQRICKACDP	[133]		
Amborella_trichopoda_B	--AE--KEE--RTVVN	I	R--PPEKRQRVPSAYNRFIKEEIQRINKANP	[121]		
Amborella_trichopoda_C	--ENEFP--RTIPN	I	R--PPEKRQRVPSAYNRFIKEEIQRINKANP	[131]		
Welwitschia_mirabilis	--NG--KQETP	--RTDV	P--APEKKQRISSAYNRFIKEEIQRINKAGNP	[145]		

Cycas_rumphii_	-----ENEEA-----	RTLSTRHVPEKRQRVPSAYNRFIKEEIQRIKACHP	[133]			
Pinus_taeda	-----ENEEA-----	RMSYR-QPEKKQRVPSAYNRFIRDEIQRIKAHP	[132]			
Picea_sitchensis	-----DNEET-----	RIPSYR-QPEKKQRVPSAYNRFIRDEIQRIKANNP	[131]			
[310	320	330	340	350	360]
[.
INO	SMAHKEAFSLAAKNWAHFPPAHHNKRAASDQCFCFEDN-----	NAILPCNVFEDHEESNN	[206]			
Antirrhinum_majus_B	NMTHKQAFSAAAKNWAHNPQSQYKRG---EVQG-RGEV---	GRTMHVDVEEVPSCS---DSS	[198]			
Oryza_sativa_C	NITHKQAFSTAANWALPRIQQKGRGR-DSC---*TPPAQOKRN*WAR-VPGSELLGR	[197]				
Nymphaea_alba	NISHREAFSTAANWAHMPRIQ-HKPDAEWSQRQSN-----KGKDKHVDREDKEGN	[182]				
CRC	EIPHREAFSAAAKNWAKYIIPNSPT--SITSGGHNM-----IHGLFP--GEKK-----	[181]				
Lepidium_africanum_CRC	EIPHREAFSAAAKNWAKYIIPNSPT--SLTSGGNHM-----MNVSYTNNPSEKARLYF*	[189]				
Capparis_flexuosa_CRC	EIPHREAFSAAAKNWARYIIPNSPPG-SISAGSSSI-----NGFDF--GEMK*-----	[187]				
Cleome_sparsifolia_CRC	EIPHREAFSAAAKNWAKYIIPNSPT--SISTGGNAI-----TGLGL--GAMK*-----	[186]				
Gossypium_hirsutum_CRC2	EIPHREAFSAAAKNWARYIIPNSPAASSVCGSSSN-----FYENF--AGTK*-----	[171]				
Gossypium_hirsutum_CRC1	EIPHREAFSAAAKNWARYIIPNSPAASSVCGSSSN-----QNDNV*-----	[167]				
Citrus_sinensis_A	EIPHREAFSTAANWARYIIPNSLAGSTSGSSSH-----	[172]				
Antirrhinum_majus_A	EIPHREAFSAAAKNWARYIIPNTPPPVTTSNHN-----	[166]				
Lycopersicon_esculentum_B	EIPHREAFSAAAKNWARYLPNPPNS---GNT-NNV*-----	[159]				
Nicotiana_tabacum_CRC1	EIPHREAFSAAAKNWARYIPNTPNG-TLAESSNNA*-----	[160]				
Nicotiana_tabacum_CRC2	EIPHREAFSAAAKNWARYIPNTPNG-TLAESSNNA*-----	[160]				
Petunia_hybrida_CRC	EIPHREAFSAAAKNWARYIPNTPNG-PLSESRNN-----	[163]				
Hedysotis_centranthoides	EIPHREAFSAAAKNWARYIPH--NGPAGSITESNTNM*-----	[172]				
Grevillea_robusta_CRC	EIPHREAFSTAANWARYVSSGSVPENNKNERRTAQES-----	[175]				
Aquilegia_formosa_CRC	EIPHREAFSSAAKNWAHYVPHSQ-AGTVGGKK---N---E-R-V--PAKESLDGA**-----	[176]				
Triticum_aestivum_A	DIPHREAFSMAAKNWAKCDPRCS---STVSAS---NSAP-EPR-IIVPGPQL--QERATE	[181]				
Zea_mays_A	DIPHREAFSMAAKNWAKCDPRCSTAESTS---NSAPAEP--VV-PTPQLTEPRFDLE	[184]				
Oryza_sativa_DL	DIPHREAFSMAAKNWAKCDPRCS---STVSTS---NSNP-EPR-VV-AAP-IPHQERANE	[178]				
Amborella_CRC	EIPHREAFSMAAKNWARFDPQLLHGTTSTQIEKQVKPNQEIHMTAGGRVK--QE-----	[182]				
FIL	DISHREAFSAAAKNWAHFPHIFGLVP-DNQPV---KKT-NMPQQEG---EDN-MVMKEGF	[216]				
YABBY3	DISHREAFSAAAKNWAHFPHIFGLMA-DHPPT---KKA-NVRQQEG---EDG-MMGREGF	[228]				
Populus_tremula	DISHREAFSAAAKNWAHFPHIFGLMP-D-QTM---KKN-NVRHQEG---EDV-LIN-DAF	[202]				
Malus_x_domestica_A	DISHREAFSAAAKNWAHFPHIFGLLP-D-QPV---KKT-NMRQQEG---DDL-LVK-DGF	[219]				
Vitis_shuttleworthii_A	DITHREAFSAAAKNWAHFPHIFGLMP-D-QTM---KKT-NVRQ-----	[190]				
Citrus_sinensis_B	DISHREAFSAAAKNWAHFPHIFGLMPSD-DQPV---KKT-SVRQQQEG--ED--AMIKDGF	[206]				
Antirrhinum_majus_GRAM	DISHREAFSAAAKNWAHFPHIFGLMP-D-QPV---KKP-NVCQ-QDG--DD--VLMKDGF	[200]				
Solanum_tuberosum_A	DISHREAFSAAAKNWAHFPHIFGLMP-D-QTV---KRT-NVRQ-QDG--ED--VLMKDGL	[207]				
Lycopersicon_esculentum_A	DISHREAFSAAAKNWAHFPHIFGLMP-D-QPV---KKP-NACQ-QER--ED--VLMKEGF	[207]				
Chrysanthemum_x_morifolium	DISHREAFSAAAKNWAHFPHIFGLMP-D-QPV---KKP-NVCQ-QDG--ED--LLMKDGF	[209]				
Aquilegia	DITHREAFSAAAKNWAHFPHIFGLMP-D-QITAAKKA-NVRQ-QEG-DHD--VLMKDGI	[206]				
ChloYAB324	DITHREAFSAAAKNWAHFPHIFGLMP-E-QNV---KKT-SVRQ-QEG--EE--ILLKDGF	[199]				
ChloYAB329	DISHRDAFSAAAKNWAHLPHIFGLMR-E-QSM---NRN-NVRQ-QVM--EGEDVLTKNGL	[201]				
Oryza_sativa_A	DISHREAFSAAAKNWAHFPHIFGLMP-D-QGF---KKT-FK-P-QDGS-ED--ILLKDSL	[237]				
Oryza_sativa_B	DISHREAFSAAAKNWAHFPHIFGLMP-DHQGL---KKT-SLLP-QDHQRKD--GLLKEGL	[295]				
Triticum_aestivum_B	DISHREAFSAAAKNWAHFPHIFGLMP-DHQGL---RKT-SLLP-QDHQRKDGHLLKEGL	[287]				
Zea_mays_B	DITHREAFSAAAKNWAHFPHIFGLMP-D-QGL---KKT-FKTH-QDGA-ED--MLLKDDL	[233]				
Nuphar_advena_A	DITHREAFSTAANWAHFPHIFGLMA-D-QNM---KKS-NLR---QQEG-DD--LIISDGF	[214]				
Amborella_trichopoda_A	DITHREAFSTAANWAHFPHIFGLMA-D-QSI---KKT-NM---QDG--DD--VLITESF	[190]				
YABBY5	DISHREAFSTAANWAHFPHIFGLML-ESNKQA-K---IA-----	[164]				
Populus_euphratica	DISHREAFSTAANWAHFPHIFGLML-GTNSQT-K---VDDGSEKHLMSRSALP-----	[186]				
Malus_x_domestica_B	DISHREAFSTAANWAHFPHIFGLML-EANNQA-K---LDNDPEKHLMSRAALLNN*-----	[189]				
Vitis_shuttleworthii_B	DISHREAFSTAANWAHFPHIFGLML-ETNNQP-K---LDEGSEKHLMSKAALRNK*-----	[181]				
Gossypium_raimondii	DISHREAFSTAANWAHFPHIFGLML-E-N-O---K---SN*-----	[168]				
Antirrhinum_majus_PROL	EISHREAFSTAANWAHFPHIFGLML-ETNTQA-K---VNEGSEKHRSASHAKGYFI*-----	[187]				
Lycopersicon_esculentum_C	DISHREAFSTAANWAHFPHIFGLML-ESNNQA-K---LACGS-RKL*-----	[181]				
Solanum_tuberosum_B	DISHREAFSTAANWAHFPHIFGLML-ESNNQA-K---LACGS-RKL*-----	[180]				
YABBY2	EISHREAFSTAANWAHFPHIFGLKL-DGNKKG---K-OL-DQ--SVAG-----	[177]				
Populus_balsamifera	DISHREAFSTAANWAHFPHIFGLKL-DSNKHA---L-DHQ-SFAG-----EGT	[176]				
Vitis_vinifera	DITHREAFSTAANWAHFPHIFGLKL-DGNKQK---K-L-DQ--AFAG-----EGP	[176]				
Malus_x_domestica_C	DISHREAFSTAANWAHFPHIFGLKL-DANREP---K---L-DQ--AFC-----	[183]				
Citrus_sinensis_C	DISHREAFSTAANWAHFPHIFGLKL-DGNKQA---L-DKAAAYA-----EGT	[179]				
Antirrhinum_majus_C	EISHREAFSTAANWAHFPHIFGLKL-DSNKQA---L-QDH--SVAGG-----SGT	[174]				
Lycopersicon_esculentum_E	DISHREAFSTAANWAHFPHIFGLKL-DGNKQTNK---L-DH--AVAG-----EGP	[181]				
Persea_americana	DISHREAFSTAANWAHFPHIFGLTV-DGNKQV---V-DE--PFAG-----EGA	[172]				
Oryza_sativa_FIL1	EISHREAFSAAAKNWAHLPRLFGLNVADGGGGG---GSN*-----	[170]				
Oryza_sativa_D	EISHREAFSAAAKNWAHLPRLFGLNVADGGGGG---GSN*-----	[170]				
Oryza_sativa_FIL2	DISHREAFSTAANWAHFPHIFGLGSHESSK---K---L-DE--AIGAPSP-----	[179]				
Asparagus_officinalis	DISHREAFRAAAKNWAHFPHIFGLSL-DENKQS---K---L-DD--AIATAHGVG-----	[176]				
Lycoris_longituba	DISHREAFSAAAKNWAHFPHIFGLK-----	[151]				
Nuphar_advena_	DISHKEAFSTAANWAHFPHIFGLAL-EGNKQONL---M-DL---F*-----	[173]				
Amborella_trichopoda_B	DISHREAFSTAANWAHFPHIFGLML-DTTKKQPK---L-DQ---GS-GKHL-----	[166]				
Amborella_trichopoda_C	EITHREAFSTAANWAHFPHIFGLSL-E-RNNQVT---L-D---EVLV-----	[171]				
Welwitschia_mirabilis	NMSHREAFSTAANWALFPYMQLGLVF-D-EKKQES*-----	[180]				

Cycas_rumphii_	EITHREAFSTAAKNWAHFPHIFGLML-E-NHKQAK---I-ADEDGDHDVLNG-AEA---	[183]
Pinus_taeda	KITHKEAFSAAKNWAHYPHIFGMM-D-SRRQAN----SEDGGD--VLN--AE----	[177]
Picea_sitchensis	KITHKEAFSAAKNWAHYPHIFGLML-D-NRRQSN----SEDGGD--VLN--AE----	[176]
[370 380 390 400]	
[• • • •]	
INO	GFRERKAQRHSIWGKSPFE-----	[225]
Antirrhinum_majus_B	FPKQ--RHSINLFAPVKLYAESGYFSFYGLLKLLYGLNT*-----	[236]
Oryza_sativa_C	FRKNPSCSCPDLVVAHLKHVLPEFFSFM*IQQVFFFDSVLNQ-----	[241]
Nymphaea_alba	QIFQQRKVSRQCFLTKVPQQ*-----	[203]
CRC	-----	[181]
Lepidium_africanum_CRC	-----	[189]
Capparis_flexuosa_CRC	-----	[187]
Cleome_sparsifolia_CRC	-----	[186]
Gossypium_hirsutum_CRC2	-----	[171]
Gossypium_hirsutum_CRC1	-----	[167]
Citrus_sinensis_A	-----	[172]
Antirrhinum_majus_A	-----	[166]
Lycopersicon_esculentum_B	-----	[159]
Nicotiana_tabacum_CRC1	-----	[160]
Nicotiana_tabacum_CRC2	-----	[160]
Petunia_hybrida_CRC	-----	[163]
Hedysotis_centranthoides	-----	[172]
Grevillea_robusta_CRC	-----	[175]
Aquilegia_formosa_CRC	-----	[176]
Triticum_aestivum_A	-----QVVESFDIFKQMERSA*-----	[198]
Zea_mays_A	DRAKGQVIESFDIFKHIERSI*-----	[206]
Oryza_sativa_DL	-----QVVESFDIFKQMERSG*-----	[195]
Amborella_CRC	-----DMRQLQAAARSQIT*-----	[197]
FIL	YAPAAA-----NVGV-TPY-----	[229]
YABBY3	YGSAA-----NVGVAHN-----	[240]
Populus_tremula	FSSS-----NVGVTTPY*-----	[215]
Malus_x_domestica_A	FSTPA-----NVGDS-PY*-----	[232]
Vitis_shuttleworthii_A	-----	[190]
Citrus_sinensis_B	FAPAA-----NVGVT-PY*-----	[219]
Antirrhinum_majus_GRAM	LAPA-----NVGVS-PY*-----	[212]
Solanum_tuberosum_A	FNTSA-----NVSV*-----	[217]
Lycopersicon_esculentum_A	LAPA-----NIGVS-PY*-----	[219]
Chrysanthemum_x_morifolium	LATA-----NVGVS-PY*-----	[221]
Aquilegia	FAAA-----NLGVS-PY*-----	[218]
ChloYAB324	FTTA-----NIGVT-PY*-----	[211]
ChloYAB329	LSTK-----	[205]
Oryza_sativa_A	YAAAAAAAANMGVT-PF*-----	[257]
Oryza_sativa_B	YAAAAAAAANMGVA-PY*-----	[314]
Triticum_aestivum_B	YAA-----NMGIA-PY*-----	[298]
Zea_mays_B	YAAAAAAAANMGIT-PF*-----	[251]
Nuphar_advena_A	FTTA-----NMGVT-PY*-----	[226]
Amborella_trichopoda_A	FTAA-----NMGVT-PY*-----	[202]
YABBY5	-----	[164]
Populus_euphratica	-----	[186]
Malus_x_domestica_B	-----	[189]
Vitis_shuttleworthii_B	-----	[181]
Gossypium_raimondii	-----	[168]
Antirrhinum_majus_PROL	-----	[187]
Lycopersicon_esculentum_C	-----	[181]
Solanum_tuberosum_B	-----	[180]
YABBY2	-----QKSNGYY-----	[184]
Populus_balsamifera	-----QKTSGLYEINGSL*-----	[190]
Vitis_vinifera	-----HKAHGFY*-----	[184]
Malus_x_domestica_C	-----RRGNNSKV*-----	[191]
Citrus_sinensis_C	-----QKSNGFY*-----	[187]
Antirrhinum_majus_C	TMAHA-----QKSLGFY-----	[186]
Lycopersicon_esculentum_E	-----QKTIGLY*-----	[189]
Persea_americana	-----QKTQGFY*-----	[180]
Oryza_sativa_FIL1	-----	[170]
Oryza_sativa_D	-----	[170]
Oryza_sativa_FIL2	-----QKVQRLY*-----	[187]
Asparagus_officinalis	-----QKSQVLY*-----	[184]
Lycoris_longituba	-----	[151]
Nuphar_advena_	-----	[173]
Amborella_trichopoda_B	-----NQAAVCIE*-----	[175]
Amborella_trichopoda_C	-----NEGSQSDPIIHQAV*-----	[186]
Welwitschia_mirabilis	-----	[180]

Cycas_rumphii_ VCNK*----- [188]
Pinus_taeda VCNN*----- [182]
Picea_sitchensis VCNN*----- [181]