

AP3	MARGKIQIKRIENQTNRQVTYSKRNRNGLFKKAHELTVLCDARVIIMFSS-SNKLHEYIS [ 59 ]
DeAP3	-----AGIMKKARELTVLCDAEVSLIMFSS-TGKFSEYIS [ 34 ]
DEF	
GDEF1	MARGKIQIKRIENQTNRQVTYSKRNRNGLFKKAHELSVLCDAKVSIIMISS-TQKLHEYIS [ 59 ]
GDEF2	MGRGKIEIKKIENNTNRQVTYSKRNRNGIFKKAHELTVLCDAKVSLIMFSN-TGKFHEYIS [ 59 ]
Gu.ti.AP3_4	MARGKIQIKKIENSTNRQVTYSKRNRNGLFKKASELTVLCDAKVSIIMVSC-TDKLHEYIS [ 59 ]
Gu.ti.AP3_5	-----QELTVLCDAKVSIMISNGSNKCHEYTS [ 32 ]
HmAP3	-----LKKAQELTVLCDAKVSIMISIGSNKCHEYTS [ 32 ]
HmTM6	-----NGLFKKANELTVLCDAKVSIMFST-TNKLHEYIS [ 34 ]
HPDEF1	-----NGIIKKAAQELTVLCDAKVSIMLIST-TGKFHEYTS [ 34 ]
HPDEF2	MARGKIQIKKIENSTNRQVTYSKRNRNGLFKKASELTVLCDAKVSIIMVSC-TDKLHEYIS [ 59 ]
JrAP3	MARGKIQIKKIENSTNRQVTYSKRNRNGLFKKASELTVLCDAKVSIIMVSC-TDKLHEYIS [ 59 ]
TAP3	-----IENETNRQVTYSKRRKGFLFKKAHELTVLCDAKVSLIMISS-NKKLRDYVS [ 49 ]
TM6	-----NGLFKKANELTVLCDAKVSIVMISS-TGKLHEFIS [ 34 ]
MASAKO_B3	-----GKIEIKKIENSTNRQVTYSKRNRNGIFKKRKELTVLCDAKISLIMLSS-TRKYHEYTS [ 56 ]
MdMADS13	MGRGKIEIKLIEQTNRQVTYSKRNRNGIFKKAQELTVLCDAQVSLIMQSS-TDKIHEYIS [ 59 ]
MdT6	MGRGKIEIKLIEQTNRQVTYSKRNRNGIFKKAQELTVLCDAVSLIMLSN-TNKMHEYIS [ 59 ]
NMH7	MGRGKIEIKLIEQTNRQVTYSKRNRNGIFKKAQELTVLCDAVSLIMLSN-TSKMHEYIS [ 59 ]
NTDEF	MARGKIQIKRIENTTNRQVIYSKRNRNGLFKKANELTVLCDAKVSIMFSS-TGKLHEYIS [ 59 ]
NTTM6	MARGKIQIKRIENQTNRQVTYSKRNRNGLFKKANELTVLCDAKVSIMISS-TGKLHEFIS [ 59 ]
PcAP3	-----AKISLLMLSS-TRKFHEYTS [ 19 ]
PhDEF	-----IENPTNRQVTYSKRRSGIFKKAKELTILCDAQVCLIMFSN-TGKVCEYVS [ 49 ]
PhTM6	MARGKIQIKRIENQTNRQVTYSKRNRNGLFKKAKELTVLCDAKICLIMLSS-TRKFHEYTS [ 59 ]
PnAP3_1	-----SGIFKKAKELTILCDAQVCLIMFSN-TGKVCEYVS [ 34 ]
PnAP3_2	MGRGKIEIKRIENATNRQVTYSKRRSGILKKAKELTVLCDAEVSLIMFSS-TGKMTEYLS [ 59 ]
PtAP3_1	-----NGIFKKALELSVLCDAKVSIIMVAT-NRKLHEYTS [ 34 ]
PtAP3_2	-----NGIFKKAKELSVLCDAKVSIIMVAT-NRKLHEYTS [ 34 ]
PTD	-----NGIIKKAAQELTVLCDAKVSIMLIST-TGKFHEYTS [ 34 ]
RAD1	MARGKIQIKRIENDTNRQVTYSKRRSGLFKKAKELTILCDAKVSIMISN-TNKLHEFIS [ 59 ]
RAD2	MTRGQIQIRRIENITNRQVTYSKRNRNGLFKKAQELVVLCDAKVSIIMISS-RNKLHEFTT [ 59 ]
RbAP3_1	-----AGIIKKAAQELTVLCDAEVSLIMVSS-SGKCVDFIS [ 34 ]
RbAP3_2	-----AGIMKKAAQELTVLCDAKVALLMISNNTHKISEYVS [ 35 ]
Ri.sa.AP3_1	-----NGLFKKATELTVLCDAKVSIIMFSS-TNKLHEYLS [ 34 ]
Ri.sa.AP3_2	-----NGLFKKATELTVLCDAKVSIIMFSS-TNKLHEYLS [ 34 ]
SLM3	MARRKIQIKKIENLTNRQVTYSKRNRNGLFKKANELTVLCDATVSIIMLSS-NLKLHEFLS [ 59 ]
STDEF	MARGKIQIKKIENSTNRQVTYSKRNRNGLFKKANELTVLCDAKVSIVMISS-TGKLHEFIS [ 59 ]

AP3	PN--TTTKEIVDLYQTISDVDWATQYERMQETKRKLLETNRNLRTQIKQR-LGECLDEL [ 116 ]
DeAP3	PSAT--TKRMFDRYQQVSGVNWLWNSHYERMQDNLNQKEINNKLREIRQR-MGEDLNDL [ 91 ]
DEF	PT--TATKQLFDQYQKAVGVDLWSSHYSYERMKQEHLLKLNREIRQR-MGESLNDL [ 116 ]
GDEF1	PS--TTTKKMYDQYQSTVGFDLWSSHYSYERMKETMKKLKDNNKLREIRQRVLFEDFDGL [ 117 ]
GDEF2	PS--ITTKQFDQYQKASGIDLWNSHYERMKQEEQLRQLKEVNRNLRQIRQR-LGDCLEDL [ 116 ]
Gu.ti.AP3_4	SS--TSTKSIYDQYQKASGIDLWSSHYSYERMQDSLRKLKDNNRLRKEMRQR-MGEDLDDL [ 89 ]
Gu.ti.AP3_5	SS--TSTKSVDQYQKASGIDLWSSHYSYERMQDSLRKLKDNNRLRKEMRQR-MGEDLDDL [ 89 ]
HmAP3	PS--ISTKELFDLYQTTMGIDLWSSHYSYERMQENLKKLDVNRLRMEIRQR-MGESLNDL [ 91 ]
HmTM6	PS--TTTKQIYDQYQKTLIDIDLWSTHYERMQEHLRKLKEVNNKLREIRQR-LGEDLNDL [ 91 ]
HPDEF1	PS--TTTKQFDQYQKAAGIDLWNSHYERMQEELRQLKEVKNLRRQIRQR-LGDCLEHL [ 116 ]
HPDEF2	PS--TTTKQFDQYQKAAGIDLWNSHYERMQEELRQLKEVKNLRRQIRQR-LGDCLEHL [ 116 ]
JrAP3	PS--TTTKQIFDQYQHTMGVDLWSSHYSYERMQEEELKKLDVNRSLRREIRHR-RGESLIDL [ 106 ]
TAP3	PS--ITTKQLFDLYQKTIQVTDIWTTHYERMQEQLRKLKDVNRLRKEIRQR-MGESLNDL [ 91 ]
TM6	PN--TTTKKMDQYQSAVGDIWSIHYERMQENLKLKEINNKLREIRQR-TGEDMSGL [ 113 ]
MASAKO_B3	PT--TTTKKMFIDLYQKNLQIDLWSSHYSYAMKENLWKLKEVNNKLRRDIRQR-LGHDLNGL [ 116 ]
MdMADS13	PT--TTTKSMYDDYQKTMGIDLWRTHEESMKDTLWKLKEINNKLREIRQR-LGHDLNGL [ 116 ]

MdTM6	PT--TTTKSMYDDYQKTMGIDLWRTHYESMKDTLWKLKEINNKLREIRQR-LGHDLNGL [116]
NMH7	PS--ASTKQFDQYQTTVGIDLWNSHENMQENLKKLKDVNRNLREIRQR-MGECLNDL [116]
NTDEF	PS--VTTKQLFDLYQKTVGVDLWNSHYEKMQEQLRKLKDVNRLREIRQR-MGESLNDL [116]
NTTM6	PN--TTQKKMIDQYQRTLGVDIWSTHYERMLLENLKLKEINNKLREIRQR-TGEDMSGL [76]
PcAP3	PS--TTMKEFFDRFRRVTNIDLWASQYETLQEELKKQKEINSRLKKEIRQRTGQDDLNEL [107]
PhDEF	PS--ITTKQLFDLYQKTVGVDLWNSHYEKMQEQLRKLKEVNRLREIRQR-MGESLNDL [116]
PhTM6	PN--TTTKKMIDLYQRTLGVDIWNKHYEKMQEQLRKLKDINNKLREIRQR-TGEDMSGL [116]
PnAP3_1	PS--TTMKEFFDRFRRITNIDLWASQYETLQEELKTQKEINNKLKEIRQRTGQDDLSEL [92]
PnAP3_2	PSLNGNTKRVYDKYQQLSGISLWNSHYESLQNALKQKEINRRLREIRQR-MGEDLDEL [118]
PtAP3_1	PH--TTTKELYDLYQKASGKSLWNSHYERMDNLDNLNKLKEINNKLRETEIRQR-MGEDLNEL [91]
PtAP3_2	PH--TTTKDLYDLYQKASGNLWNSHYERMKDNLNKLKDINNKLRETEIRQR-MGEDLNEL [91]
PTD	PS--TTTKQIYDQYQKTLIDILWSTHYERMQEHLRKLKEVNNKLREIRQR-LGEDLNEL [91]
RAD1	PN--ITTKQVYDAYQTTFSPLWTSHYAKMEQELRNLNEVNRQIRKEIRR-MGCCLEDM [116]
RAD2	PG--TTTKQIYDMDYQQLSGNDVWSSQYAMMLEELRKIKEANGNIRKEIRR-MGFSMEDM [116]
RbAP3_1	PT--ISQKEFYDKYQKITKQDLWKSQYDEMQERFKHLMETNRKLRREIGQRVG-EDLEGL [91]
RbAP3_2	PG--TSFKAIYDQYEKTSGVSLWDSEYERMQRLKKVKEDNNKLREIRQR-QGDDLDGL [92]
Ri.sa.AP3_1	PF--ISTKQVFDQYQNKLGIDLWQTHYERMQEHLKQLKDVNLLRMEIRHR-MGASLDGL [91]
Ri.sa.AP3_2	PF--ISTKQVFDQYQNNLQIDLWQTHYERMQEHLKQLKDVNLLRMEIRHR-MGASLDGL [91]
SLM3	PGSNTTCKDYYDRYQKALGVDIWVTHEKRMQDDLQKLNELNRKLQTDIQRQ-MGDCLEDL [118]
STDEF	PS--ITTKQLFDLYQKTIQVGDWVSHYEKMQEQLRKLKDVNRLREIRQR-MGESLNDL [116]

AP3	DIQELRRLEDEMENTFKLVRERKFKSLGNQIETTKKKNKSQODIQKNLHE---LELRAE [173]
DeAP3	SIEELRGLEQNMDNSLKVIRDRKYHVITTQTETYRKKLRLNLHETHNNLLREFE----GR [146]
DEF	GYEQIVNLIEDMDNSLKLIRERKYKVISNQIDTSKKVVRNVEEIHRLNVLE---FDARRE [173]
GDEF1	DMNDLTSLEQHMQDSLTLVRERKYHVIKTQTDTCRKRVRNLEQRNGNLRDYET---- [171]
GDEF2	GFEEFLDLEKESQEAVYIIRERKLKVIGNKLETSKKKVRRSAQDVYKKLMHE---FDIRGE [173]
Gu.ti.AP3_4	RFDQIVALKVKTISITSIRERKFHVINKQIGTTNKKVKNLEEIQRNLLD---LEAKCE [146]
Gu.ti.AP3_5	RFDQIVALIVKAISITSIRERKFHVIKTKHTCGKKVVRNLKEIQRNLLD---LEAKCE [146]
HmAP3	SWKDLRGLEQEMDSSVKIIRERKYRVLGNQIDTHRKKVVRNAEEIHRYIHE---FEVKEE [148]
HmTM6	NLNELRDLEQKSAASTAVIRERKYHVLKTQETCRKKVRNLEERYGNLF [148]
HPDEF1	GFEKLLDLEKESQEAVYIIRERKLKVIGNKLETSKKKVRRSAQDVYKKLMHE---FGIRGE [173]
HPDEF2	GFEKLLDLEKESQEAVYIIRERKLKVIGNKLETSKKKVRRSAQDVYKKLMHE---FGIRGE [173]
JrAP3	NLEELYHLEQNVESAVKIRDRKYHVIGKTDILKKKKRAESIHKLHE---LVARDE [163]
TAP3	NYEQLEELMENVDNSLKLIRERKFHVIGNQIETYRKVVRNVEEINRNLLD---FDARQE [148]
TM6	NLQELCHLQENITESVAEIRERKYHVIKNTQDTCKKARNLEEQNGLVLD---LEAKCE [170]
MASAKO_B3	SYAELQDLEETMSQSVQIIRDRKYHVLKTQAEETTRKKVKNLEERNNSLNMHG [174]
MdMADS13	SFDELASLDDDEMQLDAIRQRKYHVIKTQTTTCKKVKNLEQRGNMLHGFDQEAAGE [176]
MdTM6	SYDDLRSLEDKMQSSLDAIRERKYHVIKTQTTTCKKVKNLEERRGNMLHG---YEAASE [173]
NMH7	SMEELRLLEDEMDKALKAIRERKYKVITNQIDTQRKKFNNEREVDNRLRD---LDARAE [173]
NTDEF	NYEQLEELNENVDNSLKLIRERKYKVIGNQIDTYKKVVRNVEEIHRLNLLE---FDARQE [173]
NTTM6	NLQELCRLQENISESVAEIRERKYHVIKTQDTFKKVKNLEEQHGNLVLD---LEAKSE [133]
PcAP3	TFEELRSLEANLSSVEIVRLRFHVGLSHTETSKKRNKAMEETHKNLLRATYSQADRDE [167]
PhDEF	NYEQLEELMENVDNSLKLIRERKYKVIGNQIETFKKKVVRNVEEIHRLNLLE---FDARQE [173]
PhTM6	NLQELCHLQGNVSDSLAEIRERKYHVIKTTQDTCRKRVRNLEEQHGS [173]
PnAP3_1	SLDEMRLKEKNLIDSADIVRNRKNHVLSHTETSKKRNKAQEETYKNLVRALHSQADREE [152]
PnAP3_2	TIEELRSLEQNLEASVKKVVRDRKYHVIIQTETTRKKLRLNTEQNHGLLREFEPI--LDE [176]
PtAP3_1	RLDELRGLEQNMECLKNIRDRKEHQLRNQIGTSKKKTRNAEEINRKLIRR---LDGMDD [148]
PtAP3_2	RLEELRGLEQNIQESLMIVGDRKEHQLRNQIGTYKKKSrnaeeinrklrr---LDGIDD [148]
PTD	NLNELRDLEQKSAASTAVIRERKYHVLKTQETCRKKVRNLEERYGNLF [148]
RAD1	SYQELVFLQQDMENAVTNL SERKYKVLSNQIETGKKLRLNVQGIRQNLMA---YDALRE [173]
RAD2	SFRELVILQQDMQDSVAKISERKYKAIANQIETTRKKLRLNSHGIHRS [173]
RbAP3_1	GIHELRSLEQDLRNSAKVVRRLKFG [147]
RbAP3_2	SFAELRGLEQNMHSSVERVHRKEHVIRTQTTDNKKIKSHEETQRTLLAEYDVMDK--A [150]
Ri.sa.AP3_1	SLAEURNLEEMDGTLIILERKRRVIGNQIDTLKKKVRNSEEVRNLHV---FDVRCE [148]
Ri.sa.AP3_2	SLAEURNLEEMDGSDIIRERKRRVIGNQIDTLRKVVRNSEEVRNLHV---FDVRSE [148]

SLM3	SFEELCRLGQEMQEAVTLIRERKYKKIDNQIDTTKKVVRNGQEVHKGLLQE---FEIPKD	[ 175 ]
STDEF	NFEQLEELMENVDNSLKLIRERKYKIGNQIETYRKVVRNVEEIHRLNLLE---FDARQE	[ 173 ]

AP3	DPHYGLV-----	[ 180 ]
DeAP3	D-----	[ 147 ]
DEF	DPHFGLVD-----	[ 181 ]
GDEF1	-----	[ 171 ]
GDEF2	DPQYGM-----	[ 180 ]
Gu.ti.AP3_4	D-----	[ 147 ]
Gu.ti.AP3_5	DPQYGMV-----	[ 153 ]
HmAP3	DPHYGLVDNGGN-YD-----	[ 162 ]
HmTM6	DPQYGLVE-----	[ 156 ]
HPDEF1	DPQFGMIEDGEYD-----	[ 186 ]
HPDEF2	DPQFGMIEDGEYDAVYGYP-----	[ 192 ]
JrAP3	DP-YGLVDNGGG-----	[ 174 ]
TAP3	DPYGLVVEHDG-----	[ 159 ]
TM6	DPKYGVVENEGR-----	[ 182 ]
MASAKO_B3	DPQYGYVDNEGDYESAVALANGASNLFFNRVHNNHNLDHGH-----	[ 216 ]
MdMADS13	DPQYGYEDNEGD-----	[ 188 ]
MdTM6	NPQCYVDNEGDYESALVLANGANNLYTFQL-----	[ 204 ]
NMH7	DPRFEMMDNGGE-YESVIGFSNLGPRMFALSL-----	[ 204 ]
NTDEF	DPYGLVEQEG-----	[ 183 ]
NTTM6	DPKYGTVENEG-----	[ 144 ]
PcAP3	-EFLFYAI PADREGDHNRDYLSSSSMRTLSINGG-DCENSQIT-----	[ 209 ]
PhDEF	DPYGLVEQEGDYNNSVL-----	[ 189 ]
PhTM6	DPTYGVVENEGR-----	[ 186 ]
PnAP3_1	QEFHFYAI PADTEGDHHRDYLSSSSMRRRLSISGGGDCE-----	[ 191 ]
PnAP3_2	DPHYVIAHQEEDYESAIELAHGG-----	[ 199 ]
PtAP3_1	DSQYGLEDDGVDEPAIALTNGNSHIFAFRLHP-----	[ 181 ]
PtAP3_2	DSQYGLEDDGGDDESAIALTNGNSHIFAFR-----	[ 178 ]
PTD	DPQYGLVE-----	[ 156 ]
RAD1	DPHCGLVYNG-----	[ 183 ]
RAD2	N-----EYG-----	[ 177 ]
RbAP3_1	EEEYIAS---GMSELE-----	[ 160 ]
RbAP3_2	GSQYSFVQQD-----	[ 160 ]
Ri.sa.AP3_1	HPHGLVDNGGRE-----	[ 161 ]
Ri.sa.AP3_2	DPHFGLVDNGGSEYDTVLEY-----	[ 168 ]
SLM3	EPPYGLVDNGDYSN-----	[ 189 ]
STDEF	DPYGLV-----	[ 180 ]