

At-AP3 RIENQTNROVTYSKRRNGLFKKANELTVLCDARVSIIMFSSSNKLHEIYISPNNTTKEIVDLYQTIISDVVWVATOYERMOENTKRKLLETNRNLRTOIKORL
Hm-AP3 -----NGLFKKANELTVLCDAKVSIIMFSTTNKLHEIYISPSISTKELFDLYQTTMGIDLWSSHYERMOENLKKLKDVRNRLRMEIRORM
Am-DEF RIENQTNROVTYSKRRNGLFKKANELTVLCDAKVSIIMISSTGKLEHEIYISPTATKQLFDQYQKAVGVDLWSSHYEKMOEHLKKLKEVNRNLRREIRORM
Ph-DEF RIENQTNROVTYSKRRNGLFKKANELTVLCDAKVSIIMISSTGKLEHEIYISPSITTKQLFDLYQKTVGVDLWNSHYEKMOEHLKKLKEVNRNLRREIRORM
Bu-DEF RIENQTNROVTYSKRRNGLFKKANELTVLCDAKVSIIMISSTGKLEHEIYISPSITTKQLFDLYQKTVGVDLWNSHYEQMOEQLRKLKDVRNRLRKEIRORM
Sc-DEF1 RIENQTNROVTYSKRRNGLFKKANELTVLCDAKVSIIMISSTGKLEHEIYISPSITTKQLFDLYQKTVGVDLWNSHYEKMOEQLRKLKDVRNRLRREIRORM
Sc-DEF2 RIENQTNROVTYSKRRNGLFKKANELTVLCDAKVSIIMISSTGKLEHEIYISPSITTKQLFDLYQKTVGVDLWNSHYEKMOEQLRKLKDVRNRLRREIRORM
Ma-DEF RIENQTNROVTYSKRRNGLFKKANELTVLCDAKVSIIMISSTGKLEHEIYISPSITTKQLFDLYQKTVGVDLWNSHYEKMOEQLRKLKDVRNRLRREIRORM
Ce-DEF RIENQTNROVTYSKRRNGLFKKANELTVLCDAKVSIIMISSTGKLEHEIYISPSITTKQLFDLYQKTVGVDLWNSHYEKMOEQLRKLKDVRNRLRREIRORM
S1-AP3 KIENQTNROVTYSKRRNGLFKKANELTVLCDAKVSIIMISSTGKLEHEIYISPSITTKQLFDLYQKTVGVDLWNSHYEKMOEQLRKLKDVRNRLRREIRORM
Sp-DEF KIENQTNROVTYSKRRNGLFKKANELTVLCDAKVSIIMISSTGKLEHEIYISPSITTKQLFDLYQKTVGVDLWNSHYEKMOEQLRKLKDVRNRLRREIRORM
Ja-DEF RIENQTNROVTYSKRRNGLFKKANELTVLCDAKVSIIMISSTGKLEHEIYISPSITTKQLFDLYQKTVGVDLWNSHYEKMOEQLRKLKDVRNRLRREIRORM
Sm-DEF RIENQTNROVTYSKRRNGLFKKANELTVLCDAKVSIIMISSTGKLEHEIYISPSITTKQLFDLYQKTVGVDLWNSHYEKMOEQLRKLKDVRNRLRREIRORM
Ph-TM6 KIENSTNROVTYSKRRNGLFKKAKELTVLCDAKICLIMLSSTRKHEIYISPNNTTKKMDLYQRTLGVDLWNSHYEKMOENLNRKLKIDINNKLRREIRQRT
Bu-TM6 KIENSTNROVTYSKRRNGLFKKAKELTVLCDAKICLIMLSSTRRHEIYISPNNTTKKMDLYQRTLGVDLWNSHYEKMOENLNRKLKIDINNKLRREIRQRT
S1-tm6 KIENSTNROVTYSKRRNGLFKKAKELTVLCDAKISLIMLSSTRKHEIYISPNNTTKKMDLYQRTLGVDLWNSHYEKMOENLNRKLKIDINNKLRREIRQRT
Sp-TM6 KIENATNROVTYSKRRNGLFKKAKELTVLCDAKISLIMLSSTRKHEIYISPNNTTKKMDLYQRTLGVDLWNSHYEKMOENLNRKLKIDINNKLRREIRQRT
Ma-TM6 KIENSTNROVTYSKRRNGLFKKAKELTVLCDARISLIMLSSTRKHEIYISPNNTTKKMDLYQRTLGVDLWNSHYEKMOENLNRKLKIDINNKLRREIRQRT
Ja-TM6 KIENSTNROVTYSKRRNGLFKKAKELTVLCDAKISLIMLSSTRKHEIYISPNNTTKKMDLYQRTLGVDLWNSHYEKMOENLNRKLKIDINNKLRREIRQRT
Sm-TM6 KIENSTNROVTYSKRRNGLFKKAKELTVLCDAKISLIMLSSTRKHEIYISPNNTTKKMDLYQRTLGVDLWNSHYEKMOENLNRKLKIDINNKLRREIRQRT
Sc-TM6 KIENSTNRHVITYSKRRNGLFKKAKELTVLCDAKISLIMLSSTRKHEIYISPNNTTKKMDLYQRTLGVDLWNSHYEKMOENLNRKLKIDINNKLRREIRQRT
Ce-TM6 KIENSTNROVTYSKRRNGLFKKAKELTVLCDAKISLIMLSSTRKHEIYISPNNTTKKMDLYQRTLGVDLWNSHYEKMOENLNRKLKIDINNKLRREIRQRT
Hm-TM6 -----NGIikkaQELTVLCDAKVSLIMISSTGKHEIYISPSITTKQIYDQYQKTLDIDLWSTHYERMOEHLRKLKEVNNKLRREIRQRL
Gt-AP3-1 -----KKAQELTVLCDAKVSIIMISNSNCKHEIYISSTSTKSIYDQYQKASGIDLWSSHYEKMOESLRKLKIDVNRNLRREIRORM
Sc-AP3 -----AGIMKKARELTVLDAEVSIMFSSSTGKSEYISPSATTKKIMIDYQRTLGVDLWNSHYEKMOENLNRKLKIDINNKLRREIRORM
Mp-MADS7 RIENSTNROVTYSKRRGGIMKKAKELTVLDAQVSLIMFSSSTGKSEYISPSSTTKNIFDRYQOASGISLWNSHYERMOESHILKIKKEENNRREIRORI
Lr-DEF KIENSTNROVTYSKRRGTGIKKATELTVLDAEVSLLMFSSSTGKSEYISPSSTDKKIFDRYQOASGISLWNSHYERMOESHILKIKKEENNRREIRORI
Zm-SILKY1 RIENATNROVTYSKRRGTGIMKKARELTVLDAQVAIIMFSSSTGKSEYISPSSTDKKIFDRYQOASGISLWNSHYERMOESHILKIKKEENNRREIRORI
Os-MADS16 RIKNATNROVTYSKRRGTGIMKKARELTVLDAQVAIIMFSSSTGKSEYISPSSTDKKIFDRYQOASGISLWNSHYERMOESHILKIKKEENNRREIRORI
Amt-AP3-1 RIENPTNROVTYSKRRGGIikkaKELTVLDAEVSIMFSSSTGKSEYISPSSTTKKIYDQYQKTLVSETNLWSTHYEKMOEDLGNLKEESNRLRKLIRQKM
Ph-GLO2 RIENSSNRQVTYSKRRNGIikkaKELTVLDAKVSIIIFASNGKMEIYISPSITTKQLFDLYQKTVGVDLWNSHYEKMOEQLRKLKDVRNRLRREIRORM
At-PI RIENANRNVYTFSKRRNGLVKKAKEITVLCDAKVALIIFASNGKMEIYISPSITTKQLFDLYQKTVGVDLWNSHYEKMOEQLRKLKDVRNRLRREIRORM
Ph-GLO1 RIENSSNRQVTYSKRRNGIikkaKELTVLDAKVSIIIFASNGKMEIYISPSITTKQLFDLYQKTVGVDLWNSHYEKMOEQLRKLKDVRNRLRREIRORM
Am-GLO RIENSSNRQVTYSKRRNGIMKKAKEITVLCDAHVSIIIFASNGKMEIYISPSITTKQLFDLYQKTVGVDLWNSHYEKMOEQLRKLKDVRNRLRREIRORM

At-AP3 GEDLDELDIQELRLLEDEMNTFKLVRRERKFSVLQIETTKKNSQADIQKNLIIHELEIRAEDEPHYGLVNGGVDYDVLGYQEG-SRAYALRFHQ
Hm-AP3 GESLNDLSWKDLRGLLEQEMDSSVKIIRERKRYRVLGNQIDTFRKKVNRNVEIHRYLIIHEFEVKEEDPHYGLVNGGVDYDVLGYQEG-PPRIVAFRLQ
Am-DEF GESLNDLGYEQIVNLIEDMDNSLKLIRERKRYKVISNQIDTSKVVNRNVEIHRNLLLEFDARQEDP-YGLVQEGDYNSVLGFPNGGPRITLRLP
Ph-DEF GESLNDLNYEQLEELMENVDNSLKLIRERKRYKVISNQIETFKKKVNRNVEIHRNLLLEFDARQEDP-YGLVQEGDYNSVLGFPNGGHRILALRLP
Bu-DEF GESLNDLNYEQLEELMENVDNSLKLIRERKRYKVISNQIETCKKKVNRNVEIHRNLLLEFDARQEDP-YGLVQEGDYNSVLGFPNGGHRILALRLP
Sc-DEF1 GESLNDLNYEQLEELMENVDNSLKLIRERKRYKVISNQIETFKKKVNRNVEIHRNLLLEFDAREEDP-YGLVQEGDYNSVLGFPNGGPRILALRLP
Sc-DEF2 GESLNDLNYEQLEELMENVDNSLKLIRERKRYKVISNQIETFKKKVNRNVEIHRNLLLEFDAREEDP-YGLVQEGDYNSVLGFPNGGPRILALRLP
Ma-DEF GESLNDLNYEQLEELMENVDNSLKLIRERKRYKVISNQIETFKKKVNRNVEIHRNLLLEFDARQEDP-YGLVQEGDYNSVLGFPNGGPRILALRLP
Ce-DEF GESLNDLNYEQLEELMENVDNSLKLIRERKRYKVISNQIETFKKKVNRNVEIHRNLLLEFDARQEDP-YGLVQEGDYNSVLGFPNGGPRILALRLP
S1-AP3 GESLNDLNYEQLEELMENVDNSLKLIRERKRYKVISNQIETFKKKVNRNVEIHRNLLLEFDARQEDP-YGLVQEGDYNSVLGFPNGGPRILALRLP
Sp-DEF GESLNDLNYEQLEELMENVDNSLKLIRERKRYKVISNQIDTCKKKVNRNVEIHRNLLLEFDARQEDP-YGLVQEGDYNSVLGFPNGGPRILALRLP
Ja-DEF GESLNDLNYEQLEELMENVDNSLKLIRERKRYKVISNQIETFKKKVNRNVEIHRNLLLEFDARQEDP-YGLVQEGDYNSVLGFPNGGPRILALRLP
Sm-DEF GESLNDLNYEQLEELMENVDNSLKLIRERKRYKVISNQIETFKKKVNRNVEIHRNLLLEFDARQEDP-YGLVQEGDYNSVLGFPNGGPRILALRLP
Ph-TM6 GEDMSGNLNQLCHLQGNVSDSLAEIRERKRYHVIKTQDTCRKKVNRNLEEQHGNLVLDLEAKCEDPKYGVVNEGHFNLSAMAFANGVHNLVAFRLQ
Bu-TM6 GEDMSGNLNQLCHLQENVSDSLAEIRERKRYHVIKTQDTCRKKVNRNLEEQHGNLVLDLEAKCEDPKYGVVNEGHFNLSAMAFANGVHNLVAFRLQ
S1-tm6 GEDMSGNLNQLCHLQENITSVAEIRERKRYHVIKTQDTCRKKVNRNLEEQHGNLVLDLEAKCEDPKYGVVNEGHFNLSAMAFANGVHNLVAFRLQ
Sp-TM6 GEDMSGNLNQLCHLQENISKSVAEIRERKRYHVIKTQDTCRKKVNRNLEEQHGNLVLDLEAKCEDPKYGVVNEGHFNLSAMAFANGVHNLVAFRLQ
Ma-TM6 GEDMSGNLNQLCHLQENITDLSAEIRERKRYHVIKTQDTCRKKVNRNLEEQHGNLVLDLEAKCEDPKYGVVNEGHFNLSAMAFANGVHNLVAFRLQ
Ja-TM6 GEDMSGNLNQLCHLQENISDLSAEIRERKRYHVIKTQDTCRKKVNRNLEEQHGNLVLDLEAKCEDPKYGVVNEGHFNLSAMAFANGVHNLVAFRLQ
Sm-TM6 GEDMSGNLNQLCHLQENISDLSAEIRERKRYHVIKTQDTCRKKVNRNLEEQHGNLVLDLEAKCEDPKYGVVNEGHFNLSAMAFANGVHNLVAFRLQ
Sc-TM6 GEDMSGNLNQLCHLQENITSLAEIRERKRYHVIKTQDTCRKKVNRNLEEQHGNLVLDLEAKCEDPKYGVVNEGHFNLSAMAFANGVHNLVAFRLQ
Ce-TM6 GEDMSGNLNQLCHLQENISDLSAEIRERKRYHVIKTQDTCRKKVNRNLEEQHGNLVLDLEAKCEDPKYGVVNEGHFNLSAMAFANGVHNLVAFRLQ
Hm-TM6 GEDLNDLNLNELRDLEOKSAASTAVIRERKRYHVIKTQDTCRKKVNRNLEEQHGNLVLDLEAKCEDPKYGVVNEGHFNLSAMAFANGVHNLVAFRLQ
Gt-AP3-1 GEDLDDLRFDQIVALKVKTISSITSIIRERKRYHVIKTQDTCRKKVNRNLEEQHGNLVLDLEAKCEDPKYGVVNEGHFNLSAMAFANGVHNLVAFRLQ
Sc-AP3 GEDLDDLRFDQIVALKVKTISSITSIIRERKRYHVIKTQDTCRKKVNRNLEEQHGNLVLDLEAKCEDPKYGVVNEGHFNLSAMAFANGVHNLVAFRLQ
Mp-MADS7 GEDLDELLEELRGLLEQNLESSIKVVRDRKYHVITQDTEYKVKLRSLRDEHKLIROLEGQAEANGAYGLVNGGVDYDVLGYQEG-SRAYALRFHQ
Lr-DEF GEELDGLDIDKDLRGLLEQNLEDEALKLVRHRKRYHVITQDTEYKVKLRSLRDEHKLIROLEGQAEANGAYGLVNGGVDYDVLGYQEG-PPRIVAFRLQ
Zm-SILKY1 GEDLDSLDFDELRLGLEQNVDAAALKEVRRHRKRYHVITQDTEYKVKLRSLRDEHKLIROLEGQAEANGAYGLVNGGVDYDVLGYQEG-PPRIVAFRLQ
Os-MADS16 GEDLDLGLFDELRLGLEQNVDAAALKEVRRHRKRYHVITQDTEYKVKLRSLRDEHKLIROLEGQAEANGAYGLVNGGVDYDVLGYQEG-PPRIVAFRLQ
Amt-AP3-1 GEDINELKYKELRDLEQNLEEWVKRIRDKKNHLVTQDTEYKVKLRSLRDEHKLIROLEGQAEANGAYGLVNGGVDYDVLGYQEG-PPRIVAFRLQ
Ph-GLO2 GEDINSLNHKELMLVLEEGTLNGLSSISAKQSEILR-----MVRKNDQILEEEHKQLQYALHQKEMAAMGGM-TEEHQRDRD---YQQMPFALRVQF
At-PI GEDIQSLNKLKMLVAEHAIEHGLDKVRDHQMEILI-----SKRRNBKMMAEQORLTFQLQQQEMATASARGMRRDDGQ-----FGYRVQF
Ph-GLO1 GEDITSLNHRLEMLILEDALENGLTSIRNKQNEVLR-----MMRKKTSQMEEEQDQNLNCRQLEIATMNRMGIGEQORENH-----DQNHMPFAFRVQF
Am-GLO GEDITTLNLYKELMLVEDALENGTSALKNKQMEFVR-----MMRKHNEVMEENQSLQFKLRQMHLDPMNDVMSQADHHHQNIADEAOMPFAFRVQF