




MSKAMYEAKERYAKKKMQENTKIDTLTDEQHDALAQLCAFRHKFHSNKDSLFLSESAFSGEFSFEMQSDENSKLREVGLPTIEWSFYDNSHIPDDSFREWFNFAN
.....MTTFRIEN.VRIETINDFDMVKFDLVTDLG.RVELAEHINVYDSE....GDFKSVEYTDSN..IR.YNMVDELCSVFDLTKP..SLMPAIDIVT
.....MTTFHIEN.ARIETITDFDMVIFDLVTDLG.RVDLAEHINVRDR....GDFKSIESTDSN..IR.CNLEEELCSVFMSEKP..SLMPEIDIVP
MSKAMYEAKERYAKKKMQENTKIDTLTDEQHDALAQLCAFRHKFHSNKDSLFLSESAFSGEFSFEMQSDENSKLREVGLPTIEWSFYDNSHIPDDSFREWFNFAN
.SKAMYEAKERYAKKKMQENTKIDTLTDEQHDALAQLCAFRHKFHSNKDSLFLSESAFSGEFSFEMQSDENSKLREVGLPTIEWSFYDNSHIPDDSFREWFNFAN
...MYEAKERYAKKKMQENTKIDTLTDEQHDALAQLCAFRHKFHSNKDSLFLSESAFSGEFSFEMQSDENSKLREVGLPTIEWSFYDNSHIPDDSFREWFNFAN
.....MEVMNKSIEIKDQNNIVLIDSLGQFFTDIENDNNGRYNIDYVLLNEVEHDNGNTYYEVGMYTEEEVPFSDKVTQDNVELLEDKWLQIDQQGESYVESI
...MVKMSQPQNLSQLVESIKLIKQDTVIGIEISFKPEIDMHQKFELLIDILSYENTKHVWFIAGSEEK.....RYDLFVFDNAKELKRIVIESHFNER
.....MERNFKVTENTRGRKEVFKVMHKVEIINDFNTEKREARLIHHDQKIYVILYNQNIIFEELK.....WLNFYILIYGNQSYGKNITFFEFLKNKN

* * * * *

YSELSETIQEQLDLDDDETYELVYDELYTEAMGEYEELNQDIEKYLRRIDEEHGTQYCPTGFARLR	
FAETIEAVEEM.LEA.....	97
FAEVIEAVEEM.LEA.....	97
YSELSETIQEQGLELDLDDDETYELVYDELYTEAMGEYEELNQDIEKYLRRIDEEHGTQYCPTGFARLR	174
YSELSETIQEQGLELDLDDDETYELVYDELYTEAMGEYEELNQDIEKYLRRIDEEHGTQYC.....	165
YSELSETIQEQGLELDLDDDETYELVYDELYTEAMGEYEELNQDIEKYLRRIDEEHGTQYCPTGFARLR	170
FFENEEDAREY.IKLVLKGHETFEETAKAIGVIK.....	131
IFVDLIQLIRYPR.....	107
NLIYHLQVWNIIENKKFKSKSISLLVKALSSKAGV.....	124
* * * * *	

-  non conserved
-  similar
-  $\geq 50\%$ conserved