```
..................MGVNAVHWFRKGLRLHDNPALRECIQGADT.RCVYILDPWFAGSSNVGINRWRFLLQCLEDLDANLRKLNSRLFVIRGQPADVFPRLFKEWNI.KLS
.....................NSVHWFRKGLRLHDNPALQEALRGA..VRCVYILDPWFAASS.VGINRWRFLLQSLEDLDTSLRKLNSRLFVVRGQP.DVFPRLFKEWGVTRLT
                     ! !!!!!!!!!!!!!!! !   !!   !!!!!!!!!!! !! !!!!!!!!!!! !!!!!  !!!!!!!!!! !!!! !!!!!!!!!!    !   consensus

IEYDSEPFGKERDAAIKKLA.EAGVEVIVRISHTLYDLDKIIELNGGQPPLTYKRFQTLISRMEPLEMPAETITAEVMGKCTTPVSDDHDEKYGVPSLEELGFDTEGLSSAVWPG
FEYDSEPFGKERDAAIMK.AKEAGVEVVVENSHTLYDLDRIIELNGH.PPLTYKRFQAIISRMELP.KPAPTVTSQQME.CRAEIQENHD.TYGVPSLEELGFPTEGLGPAVWQG
 !!!!!!!!!!!!!!! ! ! !!!!!! !  !!!!!!!! !!!!!!  !!!!!!!!!  !!!!!    !! ! !   !  !        !!  !!!!!!!!!!! !!!!  !!! !  consensus

GETEALTRLERHLERKAWVANFERPRMNANSLLASPTGLSPYLRFGCLSCRLFYFKLTDLYKKVKKNSSPPLSLYGQLLWREFFYTAATNNPRFDKMEGNPICVQIPWDKNPEAL
GETEALARLDKHLERKAWVANYERPRMNANSLLASPTGLSPYLRFGCLSCRLFYYRLW.LYKKVKRNSTPPLSL.GQLLWREFFYTAATNNPKFDRMEGNPIC.QIPWDRNPEAL
!!!!!! !!  !!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!  !  !!!!!! !! !!!!! !!!!!!!!!!!!!!!!! !! !!!!!!! !!!!! !!!!!  consensus

AKWAEGRTGFPWIDAIMTQLRQEGWIHHLARHAVACFLTRGDLWISWEEGMKVFEELLLDADWSVNAGSWMWLSCSSFFQQFFHCYCPVGFGRRTDPNGDYIRRYLPVLRGFPAK
AKWAEGKTGFPWIDAIMTQLRQEGWIHHLARHAVACFLTRGDLWISWESGV.VFDELLLDADFSVNAGSWMWLSCSAFFQQFFHCYCPVGFGRRTDPSGDY.RRYLPKLKGFPSR
!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !  !! !!!!!!! !!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!! !!! !!!!! ! !!!    consensus

YIYDPWNAPESVQKVAKCIIGVNYPKPMVNHAEASRLNIERMKQIYQQLSRYRGLGLLA.VPSNPNGNG...GGLMG..........YSPGE....C...G...L......E...
YIYEPWNAPESVQKAAKCIIGVDYPKP.VNHAETSRLNIERMKQIYQQLSRYRGLCLLASVPSCVEDLS...GP.AD...........SSQ.......................
!!! !!!!!!!!!! !!!!!!! !!!! !!!!! !!!!!!!!!!!!!!!!!!!!! !!! !!!          !                 !                            consensus

................G..Q.SSILHY..HGDS......QQ....QAGR.......S.GKRP..EE..TQS.GPKVQR.QS.....SN...............
....................SIS.TAPR.....S...........ASPKRK......E.AEEP.PEEL.KR....RVTE.PT.E...KD...............
                    !           !           !           !  !!          !                                consensus
```

X non-conserved

X ≥50% conserved