```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 543 H702 RS02375 WP 160172984.1          ..........................................................................................  0
NTDB id 1110967 ACNR93 RS08270 WP 420543556.1    ..........................................................................................  0
NTDB id 544 H702 RS02380 WP 039696235.1          MIEIVVFIITMLLNFVGFVIVGILFQQITKVKLTFLEWVLIIIFLQAVSFFMNPQKYSMVALVLMKDISVIFCLLSVSFH  80
consensus

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 543 H702 RS02375 WP 160172984.1          ...............................................................MYYLVSRWLNIDISN  15
NTDB id 1110967 ACNR93 RS08270 WP 420543556.1    ......................MILQGVYGYGILAIFSIKLNPLAMTSPSLGILIVMMTEVIIPPIFYYLVSKWLNIDISN  59
NTDB id 544 H702 RS02380 WP 039696235.1          HNPKIGIRYHIFYALYPINLYMILHEVYCYIIFAIFSIQLTSLTMTSPSVGKMIGMITAVIIPPIFYYLISKWLNIDISN  160
consensus                                                 ***  ** * * ***** *  * ******* ** *** *******!!!*!*!!!!!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 543 H702 RS02375 WP 160172984.1          VSQSLKKHIEPKIFNIINILMVSYFLFMDAIAIVKPFHNAD.NDAIRGIVAFIYLILLFVFLFYLNFRHGQEQKNELLRN  94
NTDB id 1110967 ACNR93 RS08270 WP 420543556.1    VRKTLKNYLSARALRLVNVALLIFYPGMECFAALTPFEDMSTNRNIYRAVIFVYFIFLFIFLFYLNFRHGQEQKNELLRN  139
NTDB id 544 H702 RS02380 WP 039696235.1          VRKTLKNYLSARALRFVNVLLLLFYPGMECFGAIAPFEKMSMNRNIYRAVIFIYFILLFIFLFYLNFRHGQEQKNELLRN  240
consensus                                        !***!!**********!*********!****** !!* ** !**!***!*!*!*!*!!*!!!!!!!!!!!!!!!!!!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 543 H702 RS02375 WP 160172984.1          QEMELAALANYSKHVESLYEEVRSFRHDYANVLMSLKMGIDQGNLDDIKKIYDEITADSTKLVKNNKFDLTRLANITDSG  174
NTDB id 1110967 ACNR93 RS08270 WP 420543556.1    QEMELAALENYSKHVESLYQEVRSFRHDYANVLMSLKVGIDQGDLDNIKKIYEEITADSAKLVKNNKFDLTRLANISDSA  219
NTDB id 544 H702 RS02380 WP 039696235.1          QEMELAALENYSKHVESLYQEVRSFRHDYANILMSLKVGIDQGNLDDIKKIYDEITADSTKLVKNNKFDLTRLANITDSG  320
consensus                                        !!!!!!!!*!!!!!!!!!!*!!!!!!!!!!!!*!!!!!*!!!!!*!!*!!!!!!*!!!!!!*!!!!!!!!!!!!!!!!!*!!*

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 543 H702 RS02375 WP 160172984.1          VKSLMSAKFLHAENQGIENSLEVSEKMGTPSIPLISYIRILSILFDNAIEGALESAEPKISVANFYQDGDFVFMIENSSK  254
NTDB id 1110967 ACNR93 RS08270 WP 420543556.1    VKSLMSAKFLEAENRSIEISLEVAEPMKNPAIPLISYIRILSILFDNAIEGALESENPKIAVANFYQDGDFVLIIENSTK  299
NTDB id 544 H702 RS02380 WP 039696235.1          VKSLMSAKFLQAENQGITISLEVAEEMGTPKIPLISYIRILSILFDNAIEAALESAEPRISVANFYQDDEFVFMIENSTK  400
consensus                                        !!!!!!!!!!! !!!**!**!!!!*! !**! !!!!!!!!!!!!!!!!!!!!*!!!!**!*!*!!!!!!!**!!**!!!!*!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 543 H702 RS02375 WP 160172984.1          EKSVDLGKIFERGYSTRGENRGLGLATLMDFQDDYENLSVETHSSDYTFTQVVRIYEGDSR  315
NTDB id 1110967 ACNR93 RS08270 WP 420543556.1    EKSVDLSKIFQRGYSTKGENRGLGLATLVDFQDDYENLSVETSSLDYKFTQVVRVYEGENR  360
NTDB id 544 H702 RS02380 WP 039696235.1          EKSVDLGKIFERGYSTKGDNRGLGLATLMDFQDDYENLSVETRSLDYKFTQVVRIYEA...  458
consensus                                        !!!!!!*!!!*!!!!!!*!*!!!!!!!!!!*!!!!!!!!!!!!! !*!!*!!!!!!*!!**  *
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X non conserved

X similar

X $\geq$ 50% conserved