```
logo
NTDB id 243796 CKF48 RS02050 WP 095369792.1  MANDSTVKKLPTRNEVPVEETWRLEDIFSSDDEWNKEFNEVKELSKEAGKFKGMLHEGAEVLYDVLQYQDHLLSRIVKLF   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ........MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIY   72
consensus                                    ********  * ! ***   !! !  !! *! *!  !*       ! !  * !*!** !  !        *!* !* !**

logo
NTDB id 243796 CKF48 RS02050 WP 095369792.1  TYARMRYDQDTTNATYQSLDDKIKGLYSVVASELAFIVPEILAIDEDQLAQYIAEKEELKMYEHALEEINLQRPHVLTAE  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    VYASMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQE  152
consensus                                     !! !* !!!!! * !!    !   !!! *    !*  !! *!*!*  !! *    * ! *!*!  ! *  ***!!!* !

logo
NTDB id 243796 CKF48 RS02050 WP 095369792.1  KEALLAQASEVMDASSNTFGMLNNADLTFPSIKNEEGEEVEVTHGRFINFLESDDQRVRRDAFRAMYTTYGQFRNTFAST  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    AEELLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQT  232
consensus                                     ! !!! ! **  *** !! *! !!!* !! *    !* !!*!!! !!  *!! !  *!* !* !!! !! !! *!*! !

logo
NTDB id 243796 CKF48 RS02050 WP 095369792.1  LSGNVKRNNFNAKVRNYQSARHAALSANNIPESVYDQLVSTINDHLHLLHRYVKLRKKVLQLDELHMYDLYTPLVKDVKM  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LQGVVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSE.TET  311
consensus                                    ! ! !! *!**!!!!*!*!!!!!!! !! !!!!!!! !* **! !! !!!!!* !!!!!! !!!!*!!!*!!!!   *

logo
NTDB id 243796 CKF48 RS02050 WP 095369792.1  AITYDEAKKLMIEGLAPLGEEYRSILEEGLQNRWVDVWENKGKRSGAYSSGAYGTNPYILLNWQDNINNLFTLTHEFGHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ALTYEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHS  391
consensus                                    !*!!*!  !   ! !!* !!!!   ** *   !!*!!**!!!!!!!!!! !!! !!***!!!!!! * !!!!! !! !!!

logo
NTDB id 243796 CKF48 RS02050 WP 095369792.1  VHSYYTRKSQPYAYGDYSIFVAEVASTCNEALLNDHLLKTIDDDKKRLFLLNHFLEGFRGTVFRQTMFAEFEHEIHQMAQ  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LHSTFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADA  471
consensus                                    *!! *!! *!!! !!!!*!!*!!*!!!*!! *! **!!! * !!! !  *!!!*!*!!*!!!!!!! !!!!!! !!

logo
NTDB id 243796 CKF48 RS02050 WP 095369792.1  NNEALTADALTEKYYELNKKYFGGEDIIIDEEIGLEWSRIPHFYYDYYVYQYATGYSAATALSEQILTEGKPAVDRFIGF  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    SGQILTADFMNKLYADLNEKYYNLKA.EDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTY  550
consensus                        !!!! *   ! *!! !!*    *    !!  !! !!!!!!  !!!!!!!!!* !!* ! ! !**   *  * ** *
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logo
NTDB id 243796 CKF48 RS02050 WP 095369792.1  LKAGSSDYPIEVLKKAGVDMTSSEPIKAACKVFEEKLNEMEQLLETI....  607
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LKAGSSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS  601
consensus                                    !!!!!!!!!*!!*!!!!!!!! **** !!*!!!!**! !*! !*!  ****
```

X non conserved

X similar

X $\geq$ 50% conserved