```
logo
NTDB id 79335 KH172YL63 RS06190 WP 173105285.1  MSKDTAVKSLPGRKDVEENLTWRLEDIFESDEAWEKEYKEIKQLTGRAEEFKGTLADSADQLYKAFAFQDEIMERMGKVY   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1       ........MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIY   72
consensus                                       ********  * ! **!!  !! !  !! *!  !! !!   !  *!  * !*! !!! *!  !      *! !* !*!

logo
NTDB id 79335 KH172YL63 RS06190 WP 173105285.1  TYSHMRYDQDTTNSYYQGLDDRAKSLYTQLGSKFAYLVPEILSIDEEKLKGFLDEKKELQQYKHALEEINLERPHILSAE  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1       VYASMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQE  152
consensus                                        ! *!* !!!!!   !!    *!  !!*!!   !!!  !! * *!* !!  ! *  * !  ! !  ! *   **!*!! !

logo
NTDB id 79335 KH172YL63 RS06190 WP 173105285.1  EEALLAQASEVFSASSNTFGMLNNADLEFPTITDENGEEVDITHGRFIRFLESSDRRVRQEAFKKVYETYGQFENTFAST  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1       AEELLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQT  232
consensus                                        ! !!! ! **! *** !! *! !!!* !! **! *!* !**!!! !!  *!! !! *!  !*  *! !! !! *!*! !

logo
NTDB id 79335 KH172YL63 RS06190 WP 173105285.1  LSGAVKKDNFIANVRHYDSARHAALSNNNIPEEVYDNLVGTVNKNLHLLQRYVKLRKKVLGLDEVHMYDLYTPLVKEVKM  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1       LQGVVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSET.ET  311
consensus                                       ! ! !! *!* ! !!!! !!!!!!!  ! !!! !!! !* *!!!*! !!*!!* !!!!!!!!!!**!!!*!!!!   *

logo
NTDB id 79335 KH172YL63 RS06190 WP 173105285.1  DISYDEAQQMILDGLKPLGEEYANVLKEGFESRWVDVVENKGKRSGAYSSGAYGTNPYILMNWQDNVNNLFTLAHEFGHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1       ALTYEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHS  391
consensus                                        **!*!      * ! * !!!!   ** *!  !!*!!**!!!!!!!!!! !!! !!***!*!!!! * !!!!! !! !!!

logo
NTDB id 79335 KH172YL63 RS06190 WP 173105285.1  VHSYYTRKTQPYTYGHYSIFVAEVASTCNEALLNDYLLNTIEDEKKRLYLLNHYLEGFRGTVFRQTMFAEFEHLIHKKAQ  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1       LHSTFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADA  471
consensus                                       *!! *!! !!!! !!*!*!!*!!*!!!*!! *! * !!   * !*! !  *!!!!!*!!*!!!!!!! !!!!!! !!

logo
NTDB id 79335 KH172YL63 RS06190 WP 173105285.1  EGEALTSEFLTKEYYELNKKYFGDDIAIDEEIGLEWARIPHFYYNYYVYQYATGFSAATALSQQILEEGEPAVERYIDFL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1       SGQILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYL  551
consensus                                        !  !! *!* ! ! *!! !!*          !!  !! !!!!!! !!!!!!!!!!! !!* !   !**  !*  ! !* *!
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logo
NTDB id 79335 KH172YL63 RS06190 WP 173105285.1  KAGSSDYPIEVLKKAGVDVTTTKPVEDACKVFEEKLNEMEELLEKLQ...   607
NTDB id 480 HSISS4 RS02090 WP 002890133.1       KAGSSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                       !!!!!!!!*!!*!!!!!!*! ! *** !*!!!!**! !*! !*!!  ***
```

X non conserved

X similar

X $\geq$ 50% conserved