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logo
NTDB id 316861 D6022 RS20100 WP 318656126.1  .......MKQEDTWRLEDIFPSDDAWNEEFQAVKELLPKLSEFKGKLGHSADDLYEALTYQDKVMERLGKLYTYAHMRYD   73
NTDB id 480 HSISS4 RS02090 WP 002890133.1    MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKND   80
consensus                                    ********     !! !  !!**!  !  !*      !*! ! * !*! *!!  !  !       *! !! !*! !!*!* !

logo

NTDB id 316861 D6022 RS20100 WP 318656126.1  QDTGNSFYQGLNDKAANLYTQAASATAYMVPEILSIQEEKLQQFLLEKEELKLYSHALEEINKERPHVLSEEEEGILAEA  153
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                    !!!     !!  * !! !!!*!   ! !!  !! * * * !!  !    * ! !! !  ! *   **!!!! ! ! *!! !

logo

NTDB id 316861 D6022 RS20100 WP 318656126.1  SDVLSSPSNTFGMLNNADMEFPEITDENGEKVQLTHGNYITFLESENRDVRRAAFKAVYETYGRFKNTLASTLSGAVKKD  233
NTDB id 480 HSISS4 RS02090 WP 002890133.1    GDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVH  240
consensus                                     !*   !* !! *! !!!* !! **! *!* ! !!!!!*!! *!!  !!*!**!* !*! !!  ! *! ! !! ! !! *

logo

NTDB id 316861 D6022 RS20100 WP 318656126.1  NFYAKVKHYKSAREAALSRNSIPEEVYDNLVSTINKHLPLLHRYVEIRKKVLELDEVHMYDLYTPLVKDSGMKVTYEQAK  313
NTDB id 480 HSISS4 RS02090 WP 002890133.1    NYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETE.TALTYEESL  319
consensus                                    !* !!!*!! !!!*!!!   ! !!! !!! !* **!!!!!!!!!!***!!!!! !!!**!!!*!!!!    *  *!!!

logo

NTDB id 316861 D6022 RS20100 WP 318656126.1  DYMLKGLAPLGEEYSSILKEGLNNRWVDVYENKGKRSGAYSSGTYGTNPYILMNWQDNVNNLFTLVHEFGHSVHSYYTRK  393
NTDB id 480 HSISS4 RS02090 WP 002890133.1    KKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQ  399
consensus                                          !!* !!!!!  ** *   !!*!!**!!!!!!!!!! ! ! !!***!*!!!! * !!!!!!!! !!!*!! *!!

logo

NTDB id 316861 D6022 RS20100 WP 318656126.1  YQPYYYGNYSIFVAEYASTTNEALLGEYLLNTIEDEKQRLYILNHMLEGFKGTVFRQTMFAEFEHEIHVKAQEGEPLTPE  473
NTDB id 480 HSISS4 RS02090 WP 002890133.1    TQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTAD  479
consensus                                     !!!*!! !*!!*!!*!!!!!! *! ! !!   * !*! !   !!!! !*!!!!!!!!!! !!!!!! !!      ! *!!**

logo

NTDB id 316861 D6022 RS20100 WP 318656126.1  LLTSIYYDLNKKYFGDNIEIDKEIGLEWSRIPHFYYNYYVYQYATGFSAAQALSQQILKEGKSAVDRYIEFLKAGSSDYP  553
NTDB id 480 HSISS4 RS02090 WP 002890133.1    FMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYP  559
consensus                                     *  *! !!! !!*    !   !!  !! !!!!!! !!!!!!!!!!! !!  !   !**      * !* *!!!!!!!!
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logo
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NTDB id 316861 D6022 RS20100 WP 318656126.1  IEVLKKAGVDMTSSEPIEAACKKFEEQLNEMEELLQKVNHS.   594
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                    *!!*!!!!!!!! *****!!*! !!* ! !*! !* !   ! *
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X non conserved

X similar

X $\geq$ 50% conserved