```
logo
NTDB id 1035642 AB8732 RS07185 WP 135411849.1  MAKELPLREELPESMTWDLSTIFASDEAWEDAFADLEDRLESAEFFAASVTNSATDLYNALQYGLGLMQDLEKLYVYASM   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1      ...MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASM   77
consensus                                      ***  * ! *!*!  !!!!*!!!!*!  !!  *     !  !  *!***  !!  !  !    * !!  !!!*!!!!!!

logo
NTDB id 1035642 AB8732 RS07185 WP 135411849.1  KSDQDTANTYYQGLNNMAESLAARVSAAIAFFDPAVLSLSEEELSEFFAAEPKLQDYKHYFDSILTQQGHVLPTEQEALL  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1      KNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELL  157
consensus                                      ! !!!!    !!  *  !  !   *! ! !*!*!  * ! *  ! !!   !! !  ! !!!* *! *  !!!* ! ! !!

logo
NTDB id 1035642 AB8732 RS07185 WP 135411849.1  AAAGDVFGASQRTFGVLDNADISFEAVENENGEMETLSNGVYSRLLESTKPEIRKNAFQTFYKSYMALENTFASLIGNHV  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1      AAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVV  237
consensus                                      !!!!!*! **  !! !!!!!!! !* !   *!**  !**! *  !*!!  **!!! !*   ! *!    *!*!  *  *!

logo
NTDB id 1035642 AB8732 RS07185 WP 135411849.1  KGQNFMAAAHHYDNAREAALAGNHVPEVVYDTLVAEVNKALPLLHRYVGLRKKLLGLDELHSYDLYTPILGEPDYDVDYE  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1      KVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSE.TETALTYE  316
consensus                                      ! *!* !  *!!  !!*!!!!*!**!! !!!*!*  !!!*!!!!!!!* !!!!*!!!!!!* !!*!!!*  ***  * !!

logo
NTDB id 1035642 AB8732 RS07185 WP 135411849.1  SAKAEALQALAPLGDDYLDIVNKAFDSRWIDVIENKGKRSGAYSGGSYDTNPFILLNWVDNLNNLSTLVHEMGHSVHSYY  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1      ESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTF  396
consensus                                        !    !!* !**!   !* !!  !!!!!**!!!!!!!!!!!! !!!!*!*!!!! ! ! !! !!!!! !!!*!! *

logo
NTDB id 1035642 AB8732 RS07185 WP 135411849.1  TRQNQPYHYGDYPIFLAEIASTTNENLLTDYLLKTVDDKKLRAYILNQYLDGVKGTVFRQTQFAEFEQWMHVTDAEGTPL  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1      TRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQIL  476
consensus                                      !!!  !!!*!!!!!!!!!!!!!!!!!!*!!* !!! ! ! ! !  !!!*!!!! !!!!!!!!!!!!!!* *!  !! ! *!

logo
NTDB id 1035642 AB8732 RS07185 WP 135411849.1  TADVLDEAYGEMNRRYYGPELTFDEEIAHEWERIPHFYYNFYVFQYATGFAAATAMADKILTEGEPAVAAYKEYLQAGSS  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1      TADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSS  556
consensus                                      !!! *   !***! *!! *       !! *!!!!!!!!! !*!!*!!!!!!!!!* *!*!!**  !*   !!  !! !!!!
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logo
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NTDB id 1035642 AB8732 RS07185 WP 135411849.1  AFPIDVMKKAGLDMTKPDYLQDTFKVFEERLNEFEALVNELA...   602
NTDB id 480 HSISS4 RS02090 WP 002890133.1      DYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                       *!**!*!!!!*!!! *!!!    !!!!!*!! ! !!!!     ***
```

X non conserved

X similar

X $\geq$ 50% conserved