```
logo
NTDB id 1165662 AB3234 RS04735 WP 164511534.1  MRNLKQIPKRSAVPTALTWDLTTIYPDDAAFQEALQAIKTQSDDAAKLKGQLAQSGADLYRVTQANFDLQRQLERAYVYA   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1      .....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYA   75
consensus                                      *****  * !****   !!!!!!!** !! *              !    !*!  !*  !   !     ! ! !!* !!!!

logo
NTDB id 1165662 AB3234 RS04735 WP 164511534.1  SLKNDQDTGNAAAQALMGQAESLLATVGAATSWFEPEVLALEPAALQKLIDAEPKLADYQHYFDVLGKQRAHTLSAQEEK  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1      SMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEE  155
consensus                                      !*!!!!!!  *   !   * !  !   *  !  *!!!! *!!**  !    * !! !* ! !!!* !  ** ! !!   !

logo
NTDB id 1165662 AB3234 RS04735 WP 164511534.1  LLAGASDIFSASSKTYSVLSDADLKFPVVQDEEGNDVRLSEGLYGVLLESTTPAVREQAFKALYSVYQQFRHTFASTLSS  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1      LLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQG  235
consensus                                      !!!*! !!! *** !* !!  !!* !! ! !  !  ! !**! *  !*!!  * *!  !* !*!  ! !! !!*! !!

logo
NTDB id 1165662 AB3234 RS04735 WP 164511534.1  EVKTHNFNAQIRHYGSAREAAMAANNVPAVVYDTLVHTVNDHLGSLHQYVNLRKEILGLPELHMYDLYTPITGEPSLTYT  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1      VVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSET.ETALT  314
consensus                                       !! !!**! *!!! !!!*!!*!!! *!  !!!*!***!! !!* !! !* !!! *!!!*!!*!!!*!!!**  *    !

logo
NTDB id 1165662 AB3234 RS04735 WP 164511534.1  YEEAQQEALKALNVLGPDYVANVQKMFDSRAIDVVENEGKRTGAYSGGMYDTKPYILLNWQNSLESLFTLVHEMGHSMHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1      YEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHS  394
consensus                                      !!!     !    ! * !**!   !*  !  ! !!!**! !!!*!!!!!! !!! ***!!!!! *!* !!!!!!! !!!*!!

logo
NTDB id 1165662 AB3234 RS04735 WP 164511534.1  HYTRTNQSYLYGDYSIFVAEIASTTNENLLTDYLLQTQTDPKVRAYVLNHYLDGFKGTVYRQTQFAEFEDYIHRQAAAGE  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1      TFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQ  474
consensus                                      **!!  !*!*!!!!*!!*!!!!!!!!!!*!!* !!    !*! !  *!!!!!!!!!!!!*!!!!!!!!!* !!   ! !

logo
NTDB id 1165662 AB3234 RS04735 WP 164511534.1  TLTADFMSKFYGDLNRRYYGDGVVSDPQISDEWTRIPHFYYNYYVYQYSTGFAAATTLSQRVLSGDAAKREAYLNYLKSG  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1      ILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAG  554
consensus                                       !!!!!! ! !*!!! *!!       * !  !! !!!!!! !!!!!!! !!!!!!* !  ****!    *!!!! !!! !
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logo
                                                  SSDYPLNVMKRAGVDMTQTEYLQTAFKYFEDRLYELTQLVHKLVK
                                                  SSDLPLEVIKRAGVDMTNPDYLDAAFKTFDDRLAEFEALAEDGKHLS

NTDB id 1165662 AB3234 RS04735 WP 164511534.1    SSDLPLNVMKRAGVDMTQPEYLQTAFKTFDDRLAEFTQLAHDLKK..   605
NTDB id 480 HSISS4 RS02090 WP 002890133.1        SSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                        !!! !! !*!*!!!!!!***!!  !!! !*!!! !   ! *   ***
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X non conserved
X similar
X $\geq$ 50% conserved