```
logo
NTDB id 195621 BHF65 RS00645 WP 069468616.1  MSEKKAKRLLQRNEVPEELTWDLTKVFKSDEEFEKEYQAVKDEVQNFRKLQGTMNQGSQRFLQIIENFLSINRKFEKVYV   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    .......MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYV   73
consensus                                    *******   *! ***!  !!!!! *! *! **! !!     **       !**       !   ! **!* !* !!*!!

logo
NTDB id 195621 BHF65 RS00645 WP 069468616.1  YASMKNDQDTTNAKYQGYNEMVDALTAEFSESISWFEPELLELDEDKLKQYFVEKKELKQYEHLIESMLVMRKHTLDKKS  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    YASMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEA  153
consensus                                    !!!!!!!!!!! * !! !*     !    !!   *!!!! * !!* !!  *    * !  !*!  ! *!  * ! !

logo
NTDB id 195621 BHF65 RS00645 WP 069468616.1  ESLLAGASDIFGTSQNVFGILNNADLKFPIVKDDNGDDIQLSHSVYGKLIESTNREVRKAAFRGLYSIYDQFKHTMATTL  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    EELLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTL  233
consensus                                    ! !!!*! !!!  *   ! *! !!!* !! ! ! *!! * !*!  *  !*!!  !**!!*!* **!  !*!! !! ! !!

logo
NTDB id 195621 BHF65 RS00645 WP 069468616.1  IGNVKVHNFKARVRNYKDAREAATTSNHIPTEVYDVLLEQVHKNLPLLHRYVKLRKKILGVDELHMYDMYTPLTEDSKLT  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QGVVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETET.A  312
consensus                                     ! !!!!!* !*!!*!  !!*!!   !*!!  !!! !!! !*!*!!!!!!!* !!!!*!!*!!!*!!!*!!!!*!   *

logo
NTDB id 195621 BHF65 RS00645 WP 069468616.1  YNYIQAQIEAKKALEVLGMDYLMHVSEAFENRWIDVVENKGKRSGAYSSGVYDTPPYILLNWQDNLENLFTLVHEMGHSM  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LTYEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSL  392
consensus                                     !       !   ! * ! *!  *!* !!  !!!!!**!!!!!!!!!! ! !!!****!!!!!! !*!!!!!!!! !!!*

logo
NTDB id 195621 BHF65 RS00645 WP 069468616.1  HSYYTSHNQPYQYGDYPIFLAEIASTTNENILTDYLLKNNNEKDILIYILNHYLDGFKGTVYRQTQFAEFEKWIHEQNSK  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    HSTFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADAS  472
consensus                                    !! *! * !!! !!!!!!!!!!!!!!!!!!!!* !!!   *      !!!!!!!!!!!!!!*!!!!!!!!!!* !!!

logo
NTDB id 195621 BHF65 RS00645 WP 069468616.1  GVPLTAKSISEYYLELNKKYYGSDVISDPEIALEWARIPHFYYNFYVYQYATGFAAATTLAENILSGDESKLNKYLTYLK  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    GQILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLK  552
consensus                                    ! *!!!  *   ! *!! !!!       *!!  !! !!!!!! !*!!!!!!!!!!!!!* !!! !**! !     !!!!!!
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logo
                                                  AGSSKYPLEVMKKAGVDMTNTSYLEKAFKVFEERLVQLETLYSKK
                                                  AGSSDYPLEVMKDAGVDMTDSDYLDAAFKVFEDRLNELEALLEEGVHLS

NTDB id 195621 BHF65 RS00645 WP 069468616.1      AGSSKYPLEVMKDAGVDMTDSSYLEKAFKVFEERLNQLETLLSEK....   605
NTDB id 480 HSISS4 RS02090 WP 002890133.1         AGSSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                         !!!! !!!!!*! !!!!!! * !!* !!!!!!*!!  !! !*   ****
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X non conserved

X similar

X $\geq$ 50% conserved