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logo
NTDB id 1145051 BQ1177 RS06415 WP 087118620.1  MSEKKAKRLLQRNEVPEELTWDLTKVFKSDEEFEKEYQTVKDEVQNFRKLQGTMDQGSQRFLQIIENFLSINRKFEKVYV   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1      .......MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYV   73
consensus                                      *******   *! ***!  !!!!! *! *! **! !! *   **       !**       !   ! **!* !* !!*!!

logo
NTDB id 1145051 BQ1177 RS06415 WP 087118620.1  YASMRNDQDTTNAKYQGYNEMVDALAAEFSESISWFEPELLELDEDKLKQYFVEKKELKQYEHLIESMLVMRKHTLDKKS  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1      YASMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEA  153
consensus                                      !!!!*!!!!!! * !! !*     !    !!   *!!!! * !!* !!  *    * !  !*!  ! *!  * ! !

logo
NTDB id 1145051 BQ1177 RS06415 WP 087118620.1  ESLLAGASDIFGTSQNVFGILNNADLKFPIVKDDNGDDIQLSHGVYGKLIESTNRKVRKAAFKGLYSVYDQFKHTMATTL  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1      EELLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTL  233
consensus                                      ! !!!*! !!!  *   ! *! !!!* !! ! ! *!! * !*!! *  !*!!  ! *!!*!* **!  !*!! !! ! !!

logo
NTDB id 1145051 BQ1177 RS06415 WP 087118620.1  IGNVKVHNFKARVRNYKDAREAATTSNYIPTEVYDVLLEQVHKNLPLLHRYVKLRKKILGVDELHMYDMYTPLTEDSKLT  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1      QGVVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETET.A  312
consensus                                       ! !!!!!* !*!!*!  !!*!!   !*!!  !!! !!! !*!*!!!!!!!* !!!!*!!*!!!*!!!*!!!!*!    *

logo
NTDB id 1145051 BQ1177 RS06415 WP 087118620.1  YNYIQAQIEAKKALEVLGMDYLTHVSEAFENRWIDVVENKGKRSGAYSSGVYDTPPYILLNWQDNLENLFTLVHEMGHSM  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1      LTYEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSL  392
consensus                                        !       !   ! * ! *!  *!* !!  !!!!!**!!!!!!!!!! ! !!!****!!!!!! !*!!!!!!!! !!!*

logo
NTDB id 1145051 BQ1177 RS06415 WP 087118620.1  HSYYTSHNQPYQYGDYPIFLAEIASTTNENILTDYLLKNNDEKEILIYILNHYLDGFKGTVYRQTQFAEFEKWIHEQNSK  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1      HSTFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADAS  472
consensus                                      !! *! * !!! !!!!!!!!!!!!!!!!!!!!!* !!!   *       !!!!!!!!!!!!!!*!!!!!!!!!* !!!

logo
NTDB id 1145051 BQ1177 RS06415 WP 087118620.1  GVPLTAKSISEYYLELNKKYYGNDVVSDPEIALEWARIPHFYYNFYVYQYATGFAAATTLAENILSGDENKLNKYLTYLK  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1      GQILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLK  552
consensus                                      ! *!!!  *   ! *!! !!!       *!!  !! !!!!!! !*!!!!!!!!!!!!!* !!! !**! !     !!!!!!
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logo

NTDB id 1145051 BQ1177 RS06415 WP 087118620.1  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