```
logo
NTDB id 1140402 DQN51 RS07350 WP 021740938.1  MKQIPKRSEVPTALTWDLTTIFPDEVAFKTAIAAIKAQTTVVAGLKGQLAQSGAALYRVTTAVFDLNRQLERVYVYASLN   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1     ..MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMK   78
consensus                                     **  * !****   !!!!!!!!* *  * !             *  !*!  !*  !  !     ! ! !!**!!!!!*

logo
NTDB id 1140402 DQN51 RS07350 WP 021740938.1  NDQDTGNAAAQALMGQAESLVATVGAATAWFEPEVLALSADQLQTLIDNDPRLADYQHVFDVLGQQRAHTLSVAEEKLLA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1     NDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLA  158
consensus                                     !!!!!  *  !   * !  !   *  ! !*!!!! *!!    !    ***! !* ! ! !* !  ** ! !!   ! !!!

logo
NTDB id 1140402 DQN51 RS07350 WP 021740938.1  GASDIFGASAKTYSVLSDADLKFPVVQDEAGNDVRLSEGLYGVLLQSTTPRVRQQAFEALYSVYQQFRHTFAATLASEVK  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1     AAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVK  238
consensus                                     *! !!! **  !* !!  !!* !! ! !  !  ! !**! *  !* !  * *!  !*!!*!  ! !! !!*! !!   !!

logo
NTDB id 1140402 DQN51 RS07350 WP 021740938.1  THNFSAETRHYASARAAAMSRNNVPAVVYDTLVETVNDHLDSLHRYVNLRKEILALPQLHMYDLYTPITGEPSLKYTYQE  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1     VHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETE.TALTYEE  317
consensus                                      !!* !  !!! !!!*!!*  ! *!  !!!*!*!*!! !!* !!!!* !!! *!*!* !*!!!*!!!**  **   !! !

logo
NTDB id 1140402 DQN51 RS07350 WP 021740938.1  AQEMALKALAVLGPDYIANVQKMFDGRAIDVVENQGKRTGAYSGGMYDTKPYILLNWQDSLESLFTLVHEMGHSMHSHYT  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1     SLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFT  397
consensus                                        !    !!* !**!   !*  !  ! !!!**! !!!*!!!!!! !!!  ***!!!!!!*!* !!!!!!! !!!*!!**!

logo
NTDB id 1140402 DQN51 RS07350 WP 021740938.1  RTNQPYQYGDYSIFVAEIASTTNENLLTDYLLKTQTDPKVRAYVLNHYLDGFKGTVYRQTQFAEFEDYIHQQDAAGETLT  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1     RQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILT  477
consensus                                     !  !!! !!!!*!!*!!!!!!!!!!*!!* !!!   !*! !  *!!!!!!!!!!!!*!!!!!!!!!* !!  !! !  !!

logo
NTDB id 1140402 DQN51 RS07350 WP 021740938.1  ADFMSDFYGKLNQRYYGDGVISDPQIADEWTRIPHFYYDYYVYQYATGFAAATTLSQRILSGDEAKRDAYLAYLKAGSSA  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1     ADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSD  557
consensus                                     !!!!   !* !! *!!       * !  !! !!!!!!  !!!!!!!!!!!!!!* !  *!**! !  **!!! !!!!!!!
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logo
                                                  YPLEVMKQAGVDMTQTGYLQTAFKVFEERLVELTQLVHKLV
                                                  LPLDVIKKAGVDMTNPDYLDAAFATFDDRLAEFEALAEEGNHLS
NTDB id 1140402 DQN51 RS07350 WP 021740938.1  LPLDVMKQAGVDMTQPGYLQTAFATFDERLAEFTQLAHELN...   601
NTDB id 480 HSISS4 RS02090 WP 002890133.1     YPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                      !!*!*! !!!!!!** !!  !!  !**!! !   ! *   ***
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X non conserved

X similar

X ≥ 50% conserved