```
logo
NTDB id 401474 GKC17 RS00975 WP 016396185.1  MEIPYRSEVPKEQTWDLTRVFKTEADWEDAFKAVKQEVKALPALEDGFTESAAVLYDRLTQIFAVDRRLSKIYVYASMAS   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    .MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKN   79
consensus                                    *  * !****   !!!!! *! !*!!!!  *    !**!  *!   *  *!!  !         * !!! !!!!!!!!

logo
NTDB id 401474 GKC17 RS00975 WP 016396185.1  DVDTSNQKKLALNSRAQSLAAEYQAAVAFIQPAVLALGKEGLDAFFKEEPRLENYRHYLEQIVKQEEHVLPAEEEKLVSA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    DQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAA  159
consensus                                    ! !!*       * *!  !      ! !*  !  *!!    !  !   !! !  ! !! ! ** * *!!!* ! ! !* !

logo
NTDB id 401474 GKC17 RS00975 WP 016396185.1  AGDALSASANTFNVLTNSDLQFPYYIEDEDGEAVELTEANYDILIQSQNREVREDAFDALYAGYGQFASTFASTLAGNVKA  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    AGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKV  239
consensus                                    !!!    **  !!!!! ! !* !!** !  !* !!!!**!*  !* !  !**!  !**!*!* ! !! *!*! !! ! !!

logo
NTDB id 401474 GKC17 RS00975 WP 016396185.1  HNFDAQTHHYQDALAAALSENNIPVDVYNQLLTSVHKHLDLLHRYVNLREEILDLKGDLQMWDMYVPITGKPSLSYTFAE  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    HNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLD.ELKMYDVYTPLSETE.TALTYEE  317
consensus                                    !!* !  *!!* ! *!!!  ! !!  !!  !! !!*!!!*!!!!!* !!  *! ! **! !*!*! !**  **   !* !

logo
NTDB id 401474 GKC17 RS00975 WP 016396185.1  AKAQAREALQVLGEDYVKHVDYLFNNRCIDHVANMHKQSGAYSGGAYDTDAYELLNWQGDLDSLYTLVHETGHSVHSMYT  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    SLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFT  397
consensus                                       ! ! ! * !!*! !*!*  !  !*!!***! *! !!!!!!!!!!! !* !!!!!  !! !*!!!!!!!!!*!! *!

logo
NTDB id 401474 GKC17 RS00975 WP 016396185.1  RENQPYVYGDYPIFVAEIASTTNENLLTNYFLDRVTDPKTRAFLLNYYLSSFKGTVYRQTQFAEFEKFIHESDQAGEALT  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    RQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILT  477
consensus                                    !  !!!!!!!!!!!*!!!!!!!!!!*!!   !  ! !*!!!  *!!*!!  !!!!!*!!!!!!!!!* !!! !  !  !!

logo
NTDB id 401474 GKC17 RS00975 WP 016396185.1  ADYLCGFYDRLNQQYYGPAISLGSDIDLEWARIPHFYYNFYVYQYATGFAAATALANKITYGSQEDKEKYLDFLKSGSSD  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSD  557
consensus                                    !!***  !  !!  !! *      *!  !! !!!!!! !*!!!!!!!!!!!!!* !! !! *!* !!!! !! *!! !!!!
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logo
NTDB id 401474 GKC17 RS00975 WP 016396185.1  YPINIMQKAGVDMTKSDYLEDAFKVFTERLDEFTDLIKKL....  600
NTDB id 480 HSISS4 RS02090 WP 002890133.1    YPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS  601
consensus                                    !!* ** !!!!!!! *!!!* !!!!! *!! !   !* ! ****
```

X non conserved

X similar

X $\geq$ 50% conserved