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logo
NTDB id 1165491 AB3227 RS03565 WP 014939610.1  MPKPQELPLRKDVPEELTWDLTTIYPTDQEFETDYDAVQTGAKQFAELAGTIEKSAASLLTATERLMTLSRKLEKVYVYA   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1      .....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYA   75
consensus                                      *****  * ! ***!  !!!!!!!**!! **!!*!*      !      !!**  !!  !! !!!  !*! !*!!!*!!!!

logo
NTDB id 1165491 AB3227 RS03565 WP 014939610.1  QLKNDQDTSEDKYQAMYSRAESLGAQFGAATAWFEPELLKISDDQIKQFYQDEPKLADYRRFFDQTFKRRNHILSNDVEA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1      SMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEE  155
consensus                                       *!!!!!!*   !!    *!  !  !   ! !*!!!! * * !  *  !   !! !* ! **!*     * !*!!** !

logo
NTDB id 1165491 AB3227 RS03565 WP 014939610.1  VLAGAGDIFSSGEKTFGILDNTDLSFPAVTDENGNQVKLSQGVYGILLESTKQSVRKEAFEKLYQVYRQFQHTLAATLTT  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1      LLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQG  235
consensus                                      *!!*!!!!!   *  !! *!!! !* !! !*! *!  ! !**! *  !*!!    *!! !*! *!  ! !!!!! ! !!

logo
NTDB id 1165491 AB3227 RS03565 WP 014939610.1  NVKNHNFKANIRHYNNALEAALADNEVPTDVYNNLIKVVNEHLDLLHRYVALRKKILGLDELHMYDMYTSLVGKKSPKYT  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1      VVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETE.TALT  314
consensus                                       !! !!* ! *!!!! ! *!!!! ! *!  !!  !*  !! !!*!!!!!* !!!!*!!!!!!*!!!*!!*!    **  !

logo
NTDB id 1165491 AB3227 RS03565 WP 014939610.1  FEQSKQIALEALQVMGPDYVSHVKEEFNNRWIDVVENQFKRSGGYSSGTYDTNPYILLNWKDNLDNLYTLIHETGHSMHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1      YEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHS  394
consensus                                      *! !   ! ! ! * !**!  *!*  !  !!!!!**!  !!!!*!! ! !!!!***!!!! ! !!!!*!!*!!!!!!*!!

logo
NTDB id 1165491 AB3227 RS03565 WP 014939610.1  YYSHHNQPYQYGDYSIFVAEIASTTNENILTDYLLNKFKDDDEMKKFILNYYLDGFKGTVFRQTQFAEFEQYIHEQDAKG  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1      TFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDK.TRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASG  473
consensus                                       **** !!!  !!!!*!!*!!!!!!!!!!!!!!* !!   !!!  * *  !!!*!!!!!!!!!!!!!!!!!!!* !!!  !!  !

logo
NTDB id 1165491 AB3227 RS03565 WP 014939610.1  QPLTANFMDDYYRNLNQKYYGDAVISDPQIGLEWSRIPHFYYNEYVYQYSTGFAAASTLADGIVNGGQANVDKYLNYLKS  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1      QILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKA  553
consensus                                      !*!!! !!   !  !! !!!       * !  !! !!!!!! !*!!!!! !!!!!!! !!* !!*!     * !! !!!
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logo

NTDB id 1165491 AB3227 RS03565 WP 014939610.1  GSSDTPTNVMKKAGVDMTQPEYLEKAFQIFEQRLDEFERLYNK.....   603
NTDB id 480 HSISS4 RS02090 WP 002890133.1      GSSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                      !!!! !  !*!!!!!!!!***!!* !! *!! !! ! ! !  !*****
```

X non conserved

X similar

X $\geq$ 50% conserved