```
logo
NTDB id 141870 VN24 RS22390 WP 045673589.1  MKKLPTRTEIQLEDTWRLEDIFSTDEEWENEYEAVKEFIPEVTEFKGKLADGAELLARALQRQDQLLVRLGKLYTYAQMRNFQDT   85
NTDB id 480 HSISS4 RS02090 WP 002890133.1  ..MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKNDQDT   83
consensus                                  **  * !!**    !! !  !! !! *!! !!!     **  * * !*! ! !  !  !      !* !! !*! !! !*! !!!

logo
NTDB id 141870 VN24 RS22390 WP 045673589.1  ANAFYQGLYDRIKSLYSQAESTLSYIVPEILSIDEERIKGYLKESKELSLYKHALEEMNLQRPHVLSAEQEALLAQASEVFDASS  170
NTDB id 480 HSISS4 RS02090 WP 002890133.1  TVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAAGDIFNGPT  168
consensus                                   * !!    *   !!!!       !  !! * *!* **  *    * ! !!! !  ! *  ***!!!! ! ! !!! ! **! ***

logo
NTDB id 141870 VN24 RS22390 WP 045673589.1  HTFGMINNADLEFPSIKDEDGKEVEVTHGRYKSFLESEDRRVRHEVFKAVYDTYGKFRNTFASTLAGNVKKNNFHAQVRNYQSAR  255
NTDB id 480 HSISS4 RS02090 WP 002890133.1  DTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVHNYQAKVRHYNSAR  253
consensus                                  *!! ** !!!* !! * !  !  !!*!!! * * *!! !! *!*  * !*! !!  ! *!*! !! ! !! *!**! !!*!*!!!

logo
NTDB id 141870 VN24 RS22390 WP 045673589.1  HAALAANHIPESVYVNLVETIQKYLPLLHRYVKLRKKVLGVNELHVYDLYAPLMKNIKMKIGYHEAKDFIIKGLAPLGEEYNQVL  340
NTDB id 480 HSISS4 RS02090 WP 002890133.1  HAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETE.TALTYEESLKKAEEVLAIFGEEYSKGV  337
consensus                                  !!!!!!!*!!!!!!  !*!***!*!!!!!!!* !!!!!!!* !!**!!*! !!    *  * !*!        !!* !!!!   *

logo
NTDB id 141870 VN24 RS22390 WP 045673589.1  NEGFANRWVDVHENKGKRSGAFSLGAYGTNPYVLMNWQDNLKSLFTLAHEFGHSVHSYYTSKTQPFRYGDYSTFVAEVASTCNES  425
NTDB id 480 HSISS4 RS02090 WP 002890133.1  HAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQTQPYVYGDYPIFLAEIASTTNEN  422
consensus                                  * *!  !!*!!!*!!!!!!!!*! !!! !!***!*!!!! !  !!!! !! !!!*!! *!  !!!* !!!!* !*!!*!!!*!!

logo
NTDB id 141870 VN24 RS22390 WP 045673589.1  LLNDYLLKTIQDEQIRLYLLNHFLDAFQKTVFRQTMFAEFEHFIHIKSQNHEALTADLFTKEYDALNKKYFGAEDIVVDEEIGLE  510
NTDB id 480 HSISS4 RS02090 WP 002890133.1  ILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADFMNKLYADLNEKYYNLKA.EDNYEIQFE  506
consensus                                  *! * !!! * !*   !   *!!!*!!*!  !!!!!! !!!!!! !!      *  !!!!   !  !  !!  !!*    *    !!  !

logo
NTDB id 141870 VN24 RS22390 WP 045673589.1  WARIPHFYMNYYVYQYATGFSAATALSKQILEEGAPAVERYIEFLKSGNSDYPIEVLKKAGVDMTTAKPIEEACKVFEEKLAEME  595
NTDB id 480 HSISS4 RS02090 WP 002890133.1  WERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELE  591
consensus                                  ! !!!!!!!!!!!!!!!!!! !!* !   !**   *  ! !* *!! ! !!!!*!!*!!!!!!!!   *** !*!!!!**! !*!
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logo                                          SLVS
                                              ALLEKGVHLS
NTDB id 141870 VN24 RS22390 WP 045673589.1    SLLS......   599
NTDB id 480 HSISS4 RS02090 WP 002890133.1     ALVEKGVHLS   601
consensus                                      !* ******
```

X non conserved
X similar
X $\geq$50% conserved