```
logo
NTDB id 211312 LA20533 RS05085 WP 054745719.1  MTDASHLPNRNDVPEELTWDLTKIFKDDAAWEAAFKDVQGELPKLEQLKGTLGNSSTTLLHGIKTILGVYRKLESVYVYA   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1      .....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYA   75
consensus                                      ****** *!! ***!  !!!!! !!  !! !!  *     *!*!     !*!  !   !!**    * * !*!! *!!!!

logo
NTDB id 211312 LA20533 RS05085 WP 054745719.1  SMKSDQDTNNSTYLALDSRASSLYAKVAAATSFFDPEVLAIDEKQLAHFIANEPDLAQYKHYLEQITRQRAHVLPAEQEK  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1      SMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEE  155
consensus                                      !!! !!!!    !     *!! !!  *  !  *!*!! *!*!*! !!*!  *!! !* ! !! ! *  ** !!!* ! !

logo
NTDB id 211312 LA20533 RS05085 WP 054745719.1  LLAGAQDVFSASQDTFNVLTNSDMEYPFVENEDGEMVRLSNGLYSILLESTDRELRQGAFEAMYQTYGQFKNTLATTLSG  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1      LLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQG  235
consensus                                      !!!*! !*! ** !!!!!! ! !* *!*!    !**! !**! *  !*!! !!**! !!*!!!! !! !! *! ! !! !

logo
NTDB id 211312 LA20533 RS05085 WP 054745719.1  EIKRHNFMAQVHHYQDAKEAALSANNIPHVVYDNLIKAVNEHLPLLHRYVKLRKKILGVEKLHTWDMYAPLTGEPKISYT  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1      VVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSET.ETALT  314
consensus                                       *! !!* ! !*!!* !**!!! !! !!* !!! !*  !! !!!!!!!!* !!!!*!!** !* *!*! !!*  *    !

logo
NTDB id 211312 LA20533 RS05085 WP 054745719.1  YDEARVEAKKALAPLGPDYLEHVDEIFNNRYIDVVENKGKRSGAYSGGGYDTPPYELLNWQDNINNLYTLVHETGHSMHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1      YEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHS  394
consensus                                      !*!    !    !!* !**!  *!*  !  !*!!!**!!!!!!!!!!!!*!!!*** !!!!!! * !!*!!!!!!!!!*!!

logo
NTDB id 211312 LA20533 RS05085 WP 054745719.1  WYTRHNQEYVYGAYPIFVAEIASTTNENILTEYLLKTQTDPEVRAFILNYYLDGFKGTIFRQTQFAEFEQWIHEQDAAGQ  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1      TFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQ  474
consensus                                       *!!* !*!!!! !!!!*!!!!!!!!!!!!!!! !!!   !*  !  !!!*!!!!!!!!*!!!!!!!!!!* !!! !! !!

logo
NTDB id 211312 LA20533 RS05085 WP 054745719.1  PLTSEVMSDFYGKLNQRYYGEALTKDPQIADEWARIPHFYYNYYVYQYSTGFAAATTLADGVTKGKEGAQEAYINYLKSG  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1      ILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAG  554
consensus                                      *!! * !   !* !! *!!       * !  !! !!!!!! !!!!!!! !!!!!!* !!* * *! !   !!!* !!! !
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logo
                                                  SSMDPIDTMKQAGVDMTETAYLDQAFSIFEERLNELEQLIDHK....   603
NTDB id 211312 LA20533 RS05085 WP 054745719.1
NTDB id 480 HSISS4 RS02090 WP 002890133.1         SSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                         !!  !** *! !!!!!! ! !!! !! *!!*!! !!! !*** ****
```

X non conserved

X similar

X $\geq$ 50% conserved