```
logo
NTDB id 1155228 QML75 RS10985 WP 047242624.1  MSETKQLPLRSEVPEELTWDLSVIFKDDAAFEEAFAALNDRLAEVGNYQGTLANGAKAFLAALEYCLDVMRQLETLYVYS   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1     .....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYA   75
consensus                                     *****  * !****!  !!!!* !!  !! *!  *      !    ! !*!   !!  !*! ! ** *!! !! *!!!

logo
NTDB id 1155228 QML75 RS10985 WP 047242624.1  HLRNDQDTTNATDQALHSRANALVAKASEAIAWFEPEVLALEDAKIWGYFDELPELSLYRHYIQQIVDNREHILPAEQEA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1     SMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEE  155
consensus                                     ***!!!!!! *  !  * *!  !    !!! !*!!!! *!!*! !*  * *  ! ! !! !!   ** !**!*!* ! !

logo
NTDB id 1155228 QML75 RS10985 WP 047242624.1  LLAGAGEIFGAAADTFSVLNNADLEFPVIEDEKGEKVQLSHGVYGQLLESTDRRVRKDAFEGLYKVYQQFARTFASTLST  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1     LLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQG  235
consensus                                     !!!*!!*!! ** !!! !! !!!* !! * !  !* ! !*!! *  !*!! !! *!! !*!**!  ! !! *!*! !!

logo
NTDB id 1155228 QML75 RS10985 WP 047242624.1  NVKRHNYAAKVRHFESARQAALSGNHIPESVYETLVSVVNENLPLLHRYMALRKRLLNLDEMHMYDVYTPLLGESSLKYT  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1     VVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSE.TETALT  314
consensus                                      !! !!! !!!!!* !!!*!!! *!*!!!!!!**!*  !! *!!!!!!!* !!!**! !!!**!!!!!!!!  **    !

logo
NTDB id 1155228 QML75 RS10985 WP 047242624.1  YEEATKEAFKALEPMGEEYLAVVKEAFENRWIDVVENKGKRSGAYSSGCYDTNPYILLNWHDTLDQLFTLVHEMGHSVHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1     YEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHS  394
consensus                                     !!!  ! !   ! * !!!!   !* !!  !!!!!**!!!!!!!!!! !*!!!!***!!!!*!!!!*!!!!!!! !!!*!!

logo
NTDB id 1155228 QML75 RS10985 WP 047242624.1  YFTRKNQPYVYGDYSIFLAEIASTTNENILTEYLLETQKDPKVRAFVLNHYLDGFKATVFRQTQFAEFEHFIHVEDAKGT  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1     TFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQ  474
consensus                                      !!!  !!!!!!!!*!!!!!!!!!!!!!!!!! !!   !!*! !  *!!!!!!!!*!!!!!!!!!!!!! !!  !! !

logo
NTDB id 1155228 QML75 RS10985 WP 047242624.1  PLTAEFLNDYYGNLNKRYYGDAVTSDPQISYEWSRIPHFYYNYYVYQYATGFSAASALAKKILSKEENALENYLNYLKAG  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1     ILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAG  554
consensus                                     *!!!*!*!  !* !! *!!       * ! *!! !!!!!! !!!!!!!!!!! !!! !! !!**  !   ! !! !!!!!
```

```
logo
                                                  NSDYPIEVMKKAGVDMTKADYLKEAMQVFAQRLDELEALVSELEK..   605
NTDB id 1155228 QML75 RS10985 WP 047242624.1
NTDB id 480 HSISS4 RS02090 WP 002890133.1         SSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                          !!!!*!!*!!!!!!!!!  !!!  !  !!  !! !!!!!!    ***
```

X non conserved

X similar

X ≥ 50% conserved