```
logo
NTDB id 223655 B6S05 RS12465 WP 002288947.1  MEVKQLPKREELPENLTWDLTKIFSSDQEFDEKYLELSEELKQSEKHKGTLDQGASQFLNAIEFVLRVYRQTEVIYVYAH   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYAS   76
consensus                                    ****  * ! *!*!  !!!!! !! *! *** !     *!!    * !*!   ! * ! ! !  * * !  ! !!!!!*

logo
NTDB id 223655 B6S05 RS12465 WP 002288947.1  LKNDQDTGNTDYQALYARASSLRSKVSEAVSWFEPEILQLSDDQIWQYFKEEPKLEVYRHYIQQLVDNRAHVLSAEQESL  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    MKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEEL  156
consensus                                    *!!!!!!    !!   !*!! !*! *!!!  *!!!! * ! !  *  *   !! ! *! !!   ** !* !!!! ! ! !

logo
NTDB id 223655 B6S05 RS12465 WP 002288947.1  LAGAGEIFDASSDTFAVLNNADLVFPTTIEGENGEIVQLSHGVYGQLLESTDRRVREAAFKGLYSVYEQFRNTFASTLGTH  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGV  236
consensus                                    !!*!!*!! ***!!! !! !!!**!! *   *!**! !*!! *  !*!! !! *! *!* **!  !!!! *!*! !!   *

logo
NTDB id 223655 B6S05 RS12465 WP 002288947.1  IKGHNFKAKVRNYSSAREASLSNNHIPESVYDTLVDVVNKHLPLLHRYMELRKRLLEVEKLHMYDLYTPVLGEAPITFTY  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    VKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLS.ETETALTY  315
consensus                                    *! !!* !!!!*! !!!*! !  !*!!!!!!!*!** !!!!!!!!!!!**!!!**! ** !*!!!*!!!* *! *   !!

logo
NTDB id 223655 B6S05 RS12465 WP 002288947.1  EEAKEKALEALKPMGEEYMAIVEKAFSERWIDVVENKGKRSGAYSSGSYDTNPYILLNWHDTLDQLFTLVHEMGHSVHSY  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    EESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHST  395
consensus                                    !!    !! ! ! * !!!!   !* !!*!!!!!!**!!!!!!!!!! ! !!!!***!!!!*!!!!*!!!!!!! !!!*!!

logo
NTDB id 223655 B6S05 RS12465 WP 002288947.1  FTRSNQPYVYGDYSIFLAEIASTTNENILTEYLLETEKDPRVRAYVLNHYLDGFKGTVFRQTQFAEFEHFMHTEDEKGVP  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    FTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQI  475
consensus                                    !!!   !!!!!!!!*!!!!!!!!!!!!!!!!! !!    !!** !   *!!!!!!!!!!!!!!!!!!!!!!! *!   !   ! *

logo
NTDB id 223655 B6S05 RS12465 WP 002288947.1  LTSEYLSDSYGKLNAKYYGPAVEEDPEIKFEWSRIPHFYYNYYVFQYSTGFSAASALAKKILNQEPEALENYLAYLKAGN  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGS  555
consensus                                    !! ***   !* !! !!! *  !* *!! !!! !!!!!! !!!!*!! !!! !!! !! !!**  *!  ! !! !!!!!
```

```
logo

NTDB id 223655 B6S05 RS12465 WP 002288947.1   SDYPVEVMKKAGVDMTQAAYIEDAMSMFEQRLNELEELIDRL....   602
NTDB id 480 HSISS4 RS02090 WP 002890133.1     SDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                     !!!!*!!*!!!!!!!!*  !** !  *!! !! !!! !*** ****
```

X non conserved

X similar

X $\geq$ 50% conserved