```
logo
NTDB id 220122 B2J85 RS01230 WP 094243275.1  MSEAKKLPKRDEVAENLTWDLTKIFKNDQAFEKAFSALQEKLQYADSYRGTLGDGPQAFLAALEYLLDVSRQLETVYVYS   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    .....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYA   75
consensus                                    ***** * ! ** ! !!!!! !! ! *! *     ! ! ! !*! ! *   !*! ! * * ! !! *!!!

logo
NTDB id 220122 B2J85 RS01230 WP 094243275.1  HLKNDQDTSNTIYQALNSRAESLVTQADEKLSFFEPELLSLSNERIWQYFKDEPKLELYRHFVEQIVANRAHVLPKEQEA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    SMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEE  155
consensus                                    **!!!!!!*  *!!  * *!  ! *!  !   *!!!! * !   **  *   !! ! *! !* ! **!!* !!!* ! !

logo
NTDB id 220122 B2J85 RS01230 WP 094243275.1  LLAGAGEIFGASSNTFSIMNNADFVFPVIEDENGEKVQLSHGVYGQLMENTDRLVRENAFKGLYSVYKQFANTLASTLNS  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQG  235
consensus                                    !!!*!!*!! *** !! ** !!! *!! * ! *!* ! !*!! *  !!!  !! *!  !* **!  ! !! *! ! !!*

logo
NTDB id 220122 B2J85 RS01230 WP 094243275.1  HIKTHNYQAKVRHYHSAREAALSSNHIPESVYDHLVDVVNKNLNLLHRYMGLRKRLLQVEKLHMYDVYTPLLGEAPISFT  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    VVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSE.TETALT  314
consensus                                    **! !!!!!!!!!!*!!!*!!!  !*!!!!!!!*!** !!!*!*!!!!!* !!!**! ** !*!!!!!!!!  * *   !

logo
NTDB id 220122 B2J85 RS01230 WP 094243275.1  YDQAVDKAFEALAPMGEEYLSVVKKAFDERWIDVVENQGKRSGAYSSGTYDTNPYILLNWHDTLDHLFTLVHEMGHSVHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    YEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHS  394
consensus                                    !*  * !! ! !!* !!!!   !* !! !!!!!!**! !!!!!!!! ! !!!!***!!!!*!!!!*!!!!!!! !!!*!!

logo
NTDB id 220122 B2J85 RS01230 WP 094243275.1  YFTQNNQPYVYGDYSIFLAEIASTTNENILTEHLLQTENDPRVRAYVLNHYLDGFKGTVFRQTQFAEFEHFMHTEDAKGT  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    TFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQ  474
consensus                                     !! * !!!!!!!!*!!!!!!!!!!!!!!!!!!*!!    !** !  *!!!!!!!!!!!!!!!!!!
```

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logo
                                                  SSDYPLEVMKKAGVDMTNTDYLEDAMKVFEERLVELELLVEKLVK
                                                  DSDYPIEVMKKAGVDMTKSDYLDDAAFHVFEDRLNELEALVDEGEHLS

NTDB id 220122 B2J85 RS01230 WP 094243275.1  DSDYPIEVMKKAGVDMTKSDYLEDAMHVFEERLNELELLVDELEK..   605
NTDB id 480 HSISS4 RS02090 WP 002890133.1    SSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                     !!!!*!!*!!!!!!!! *!!!* ! *!!!*!! !!! !!*    ***
```

X non conserved

X similar

X $\geq$ 50% conserved