```
logo
NTDB id 150845 AC806 RS08815 WP 069029153.1  MSEPKKLPKRDEVAENLTWDLTKIFKDDQAFEKAFSALQEKLRYADSYRGTLGDGSQAFLAALEYLLDVSRQLETVYVYS   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    .....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYA   75
consensus                                    *****  * ! ** !  !!!!! !!  !  *!  *      !* !  ! !*! !      !*! !  * * ! !! *!!!

logo
NTDB id 150845 AC806 RS08815 WP 069029153.1  HLKNDQDTSNTIYQALNSRAESLVTQADEKLSFFEPELLSLSDERIWQYFKDEPKLELYRHFVEQIVANRAHVLPKEQEA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    SMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEE  155
consensus                                    **!!!!!!*  *!!  * *!  ! *!  !   *!!!! * ! ! **  *   !! ! *! !* ! **!!* !!!* ! !

logo
NTDB id 150845 AC806 RS08815 WP 069029153.1  LLAGAGEIFGASSNTFSIMNNADFVFPVIEDENGEKVQLSHGVYGQLMESTDRLVRENAFKGLYSVYKQFGNTLASTLNS  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQG  235
consensus                                    !!!*!!*!! *** !! ** !!! *!! * ! *!* ! !*!! *  !!!! !! *!  !* **!  ! !! *! ! !!*

logo
NTDB id 150845 AC806 RS08815 WP 069029153.1  HIKTHNYQAKVRHYHSAREAALSSNHIPESVYDHLVDVVNKNLNLLHRYMGLRKRLLQVEKLHMYDVYTPLLGEAPISFT  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    VVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLS.ETETALT  314
consensus                                    **! !!!!!!!!!!*!!!*!!!  !*!!!!!!!*!** !!!*!*!!!!!* !!!**! ** !*!!!!!!!! *! *   !

logo
NTDB id 150845 AC806 RS08815 WP 069029153.1  YDQAVDKAFEVLAPMGEEYLSVVKKAFDERWIDVVENQGKRSGAYSSGTYDTNPYILLNWHDTLDHLFTLVHEMGHSVHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    YEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHS  394
consensus                                    !*  * !! !!!!* !!!!   !* !! !!!!!!**! !!!!!!!! ! !!!!***!!!!*!!!!*!!!!!!! !!!*!!

logo
NTDB id 150845 AC806 RS08815 WP 069029153.1  YFTQNNQPYVYGDYSIFLAEIASTTNENILTEHLLQTENDPRVRAYILNHYLDGFKGTVFRQTQFAEFEHFMHTEDAKGT  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    TFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQ  474
consensus                                     !! * !!!!!!!!*!!!!!!!!!!!!!!!!!!*!!    !** !  !!!!!!!!!!!!!!!!!!!!!!!!!!! *!  !! !

logo
NTDB id 150845 AC806 RS08815 WP 069029153.1  PLTSEFLNEHYGELNRRYYGDEMEDDPEIHLEWSRIPHFYYNYYVFQYATGFSAASALSQKILSEDSSALDRYLTYLKSG  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAG  554
consensus                                    *!! *!*! *!**!! *!!    !! *!!* !! !!!!!! !!!!*!!!!!! !!! !  !!**      * !!!!!! !
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logo
                                                 SSDYPLEVMKKAGVDMTNTDYLEDAMKVFEERLVELELLVEKLVK
                                                 DSDYPIEVMKKAGVDMTKSDYLDDAAFHVFEDRLNELEALVDEGEHLS
NTDB id 150845 AC806 RS08815 WP 069029153.1  DSDYPIEVMKKAGVDMTKSDYLEDAMHVFEERLNELELLVDELEK..   605
NTDB id 480 HSISS4 RS02090 WP 002890133.1    SSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                     !!!!*!!*!!!!!!!! *!!!* ! *!!!*!! !!! !!*    ***
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X non conserved

X similar

X $\geq$ 50% conserved