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logo

NTDB id 259111 CXM95 RS06530 WP 086372733.1  MSETKQLPARESIPVEKTWDLTKIYADDAAFDIEFQEIQAQLKEASSYQGTLADGPQAFLSALEFVLDLSRRLEKLYVYS   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    .....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYA   75
consensus                                    *****  * ! ***   !!!!! !*! !! ** !*     !! !! ! !*! ! *   ! ! !  * ! !!!!!*!!!

logo

NTDB id 259111 CXM95 RS06530 WP 086372733.1  HLKNDQDTANTTYQGLYAKASSLVAQVSEAVAWFDPELLTMSDETIWGYFDQEPKLAVYRHMIEKTINERPHVLPADQEA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    SMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEE  155
consensus                                    **!!!!!!    !!   !!!! !  !*!!! !*!*!! * * !  *  * *!!! !**! !  !* *  **!!!* * !

logo

NTDB id 259111 CXM95 RS06530 WP 086372733.1  LLAGAGEIFGASGNIFSVLNNADLDFPVVEDENGEKVQLSHGVYGELMESTDRSVREAAFKGLYGVYEQFRNTFAQTLST  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQG  235
consensus                                    !!!*!!*!! **   ! !! !!!* !! ! ! *!* ! !*!! *  !!!! !! *! *!* **!! !!!! *!*!!!!

logo

NTDB id 259111 CXM95 RS06530 WP 086372733.1  NIKAHNFKAKARKYDSARQAALSANHIPESVYDTLVDVVNQHLPLLHRYMALRKRLLAVDTLHMYDVYTPILGEAPIRYT  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    VVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLS.ETETALT  314
consensus                                     *! !!* !! !*! !!!*!!! !!*!!!!!!!*!** !! !!!!!!!!* !!!**!**! !*!!!!!!!* *! *   !

logo

NTDB id 259111 CXM95 RS06530 WP 086372733.1  YEEAVEKAKEALKPLGEEYLAVVEEAFSNRWIDVVENKGKRSGAYSSGAYDTLPYILMNWNDRLDQLFTLVHEMGHSVHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    YEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHS  394
consensus                                    !!! * !! ! ! * !!!!   !* !!* !!!!!**!!!!!!!!!! !!!!! ***!*!!*! !!*!!!!!!! !!!*!!

logo

NTDB id 259111 CXM95 RS06530 WP 086372733.1  YFTRNNQPYAYGDYSIFLAEIASTTNENILTEYMLRTETDPRVKAYVLNHFLDGFKGTIFRQTQFAEFEHFMHVEDAKGT  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    TFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQ  474
consensus                                     !!!* !!!  !!!!*!!!!!!!!!!!!!!!!! *!*   !** *  *!!!*!!!!!!!*!!!!!!!!!!! *!   !! !

logo

NTDB id 259111 CXM95 RS06530 WP 086372733.1  PLTSEFLSENYAELNAKYYGPSVEKDPEIRLEWSRIPHFYYNYYVYQYSTGFSAASALAKKILAGEPDALTNYLNYLKAG  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAG  554
consensus                                    *!! *!*   !!*!! !!! *  !  *!!  !! !!!!!! !!!!!!! !!! !!! !! !!**! **    !! !!!!!
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logo
                                                  RSDYPIEVMKKAGVDMTKADYIEDAMKVFEQRLNELEELVKEIEA..   605
NTDB id 259111 CXM95 RS06530 WP 086372733.1
NTDB id 480 HSISS4 RS02090 WP 002890133.1         SSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                          !!!!*!!*!!!!!!!!  !!** ! !!!! !! !!! !!    ***
```

X non conserved

X similar

X $\geq$ 50% conserved