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logo
NTDB id 336113 EQV91 RS12230 WP 047927873.1  MEVKQLPKREELPENLTWDLTKIFSSDQEFDEKYLELSEKLKKSEKYKGTLDQGASQFLDAIEFVLSVYRQTEIIYVYAH   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYAS   76
consensus                                    ****  * ! *!*!  !!!!! !! *! *** !     !!!   ! !*!   ! * ! ! !  *!* !  ! !!!!!*

logo
NTDB id 336113 EQV91 RS12230 WP 047927873.1  LKNDQDTGNTEYQALYARASSLRSKVSEAVSWFEPEILQLSDERIWQYFKEEPKLEVYRHYIQQLVDNRAHVLSADQESL  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    MKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEEL  156
consensus                                    *!!!!!!    !!   !*!! !*! *!!!  *!!!! * ! ! **  *   !! ! *! !!   ** !* !!!! * ! !

logo
NTDB id 336113 EQV91 RS12230 WP 047927873.1  LAGAGEIFEASSDTFAVLNNADLVFPTTIEGENGEKVQLSHGVYGQLLESTDRSVREAAFKGLYSVYEQFRNTFASTLSTH  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGV  236
consensus                                    !!*!!*!! ***!!! !! !!!**!! *   *!* ! !*!! *  !*!! !! *! *!* **!  !!!! *!*! !!   *

logo
NTDB id 336113 EQV91 RS12230 WP 047927873.1  IKGHNFKAKVRNYSSAREASLSNNHIPESVYDTLVAVVNKHLPLLHRYMELRKRLLEVEKLHMYDLYTPVLGEAPITFTY  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    VKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLS.ETETALTY  315
consensus                                    *! !!* !!!!*! !!!*! !  !*!!!!!!!*!*  !!!!!!!!!!!**!!!**! ** !*!!!*!!!* *! *   !!

logo
NTDB id 336113 EQV91 RS12230 WP 047927873.1  EEAKEKALEALKPMGEEYMTIVEKAFSERWIDVVENKGKRSGAYSSGSYDTNPYILLNWHDTLDQLFTLVHEMGHSVHSY  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    EESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHST  395
consensus                                    !!    !! ! ! * !!!!   !* !!*!!!!!!**!!!!!!!!!! ! !!!!***!!!!*!!!!*!!!!!!! !!!*!!

logo
NTDB id 336113 EQV91 RS12230 WP 047927873.1  FTRSNQPYVYGDYSIFLAEIASTTNENILTEYLLETEKAPRVRAYVLNHYLDGFKGTVFRQTQFAEFEHFMHTEDEKGVP  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    FTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQI  475
consensus                                    !!!   !!!!!!!!*!!!!!!!!!!!!!!!!! !!    ! **  !   *!!!!!!!!!!!!!!!!!!!!!!!! *!   !   ! *

logo
NTDB id 336113 EQV91 RS12230 WP 047927873.1  LTSEYLSDSYGKLNAKYYGPAVEEDPEIKFEWSRIPHFYYNYYVFQYSTGFSAASALAKRILSQEPDALENYLAYLKAGN  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGS  555
consensus                                    !! ***   !* !! !!! *  !* *!! !!! !!!!!! !!!!*!! !!! !!! !! *!**  **  ! !! !!!!!
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logo

NTDB id 336113 EQV91 RS12230 WP 047927873.1   SDYPVEVMKKAGVDMTQAAYIEDAMSMFEQRLNELEELIDRL....   602
NTDB id 480 HSISS4 RS02090 WP 002890133.1     SDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                     !!!!*!!*!!!!!!!!*  !** !  *!! !! !!! !*** ****
```

X non conserved

X similar

X $\geq$ 50% conserved