```
logo
NTDB id 1152401 NMG63 RS01855 WP 254007293.1  MSDKYELPLRSEVDIKDTWDLTPMFKDDDAWNTEFDAIQNDLSEVAAYRGTLTKSAESLLAGLKFRDELSYRIEFLYVYA   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1     .....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYA   75
consensus                                     *****  * !**** ! !!!!!**!  !  ! !!**   *!!    !! !*!  !!  !!**      !  !*!  *!!!!

logo
NTDB id 1152401 NMG63 RS01855 WP 254007293.1  HLSFDVDTTNPKYQAMNARVQSLLAQFGSSFSFYEAEILSADEAVTREYLESNDALSLYNHEFDRLFKSRPHILSEKEER  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1     SMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEE  155
consensus                                     **  ! !!! * !!  *!*   !  !    ! **!*! *  !*  * !* !  **! !! ! !*!!   **!*!!   !

logo
NTDB id 1152401 NMG63 RS01855 WP 254007293.1  ILASSGEIFGVSSQTFGMLNNADIQFPTIKDESGNDVQLSHGRYSLLMESADRRVREDAFKAMQTTYGNLKNTLASTLSG  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1     LLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQG  235
consensus                                     *!!  !*!!  ** !! *! !!!! !! * !  !  ! !*!! *  !!!! !! *!  !* !!  !! *  *! ! !! !

logo
NTDB id 1152401 NMG63 RS01855 WP 254007293.1  NVKVHNFNATIRNYASARQAALAANNIDEEVYDSLLEGIHNNINLLHDYVALREEALGIDDIQMYDIYVPMVDEVDLKFT  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1     VVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSE.TETALT  314
consensus                                      !!!!!**! *!*! !!!*!!!!!! !*! !!!!!!! ** ***!!! !* !!   !!*!** !!!*! !* ** *   !

logo
NTDB id 1152401 NMG63 RS01855 WP 254007293.1  YEEAQEVILDALSVLGEEYCAVLKRAFDERWIDVVENKGKRSGAYSSGTYGSAPYILLNWQENIDNVFTLAHELGHSVHS  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1     YEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHS  394
consensus                                     !!!       * ! * !!!!*  ** !! !!!!!!**!!!!!!!!!! ! ! * ***!!!!!* *!!*!!! !! !!!*!!

logo
NTDB id 1152401 NMG63 RS01855 WP 254007293.1  YFTRKYQPYIYGDYSIFVAEVASTTNENLLLNYLLDQYEDPKVRAYLLNHYLDTVKGTVFRQTQFAEFEHLIHKSDQEGV  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1     TFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQ  474
consensus                                      !!!   !!!*!!!!*!!*!!*!!!!!!!*!   !!    !*! !  *!!!!!!  !!!!!!!!!!!!!!! !!   !  !

logo
NTDB id 1152401 NMG63 RS01855 WP 254007293.1  ALTADYLIESYYKLNQFYYGES.ISTEEIGYEWARIPHFYYNYYVYQYATGFSAATLFSETIYNGG..DATPYLDFLKSG  557
NTDB id 480 HSISS4 RS02090 WP 002890133.1     ILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAG  554
consensus                                      !!!!**   !  !!  !!   *    !! *!! !!!!!! !!!!!!!!!!! !!*   ! ! *! **!  *!! *!! !
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logo
                                                  SSDYPLNVLRKAGVDMTNTTYYDTTLKVFGERMYELRTLVVKGVHLS
                                                  TEVTKAGVDMTESDALDAAFEKFEDRLAELEALLEKGVHLS

NTDB id 1152401 NMG63 RS01855 WP 254007293.1      SSDYPINVLRKAGVDMTESTAVDTTLEKFGERMAELRTLLVK.....   599
NTDB id 480 HSISS4 RS02090 WP 002890133.1         SSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                         !!!!!* !**!!!!!!! *  *!     ! *!* !!  !* !*****
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X non conserved

X similar

X ≥ 50% conserved