```
logo
NTDB id 964545 NYE66 RS04105 WP 033015653.1  MTVEEKKAKKSLPLRSEIPVEETWRLEDIFPTDDAWEEEFKQVKALIPKLGEYKGRLGESPEVLYEALQYQDDVSMRLGK   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ..........MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEK   70
consensus                                    **********  * !****   !! !  !!*!!  !! !*     **!   ! !*! *!*  !  !      *  !! !

logo
NTDB id 964545 NYE66 RS04105 WP 033015653.1  LYTYAHMRYDQDTTNSFYQGLDARAKSLYSEASSAMAFIVPEILAIDEAVLRSFLEQYEPLRLYAHALDEITRQRPHVLS  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    IYVYASMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLS  150
consensus                                    *! !!*!* !!!!!   !!   !*!  !!!  ! ! !*  !! *!*!*  !  ! !! **! !! !  * *  ***!!!!

logo
NTDB id 964545 NYE66 RS04105 WP 033015653.1  AEEEAILAQAAEVMQATSDTFSALNNADLTFPTIIDENGEEVEVTHGRFIRFLESTDRRVRRDAFHAVYHTYEKFQNTFA  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QEAEELLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYA  230
consensus                                     ! ! *!! !*** ****!!!  ! !!!* !! * ! *!* !!*!!! !!  *!! !! *!* !**!*!*!!! !!*!*!

logo
NTDB id 964545 NYE66 RS04105 WP 033015653.1  STLAGTVKKHNFFARVRRYESARQAALDANNIPESVYDNLIATVHEHLPLLHRYVRLRKQVLGLDELHMYDLYTPLVQDV  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QTLQGVVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSET.  309
consensus                                     !! ! !! !!* !*!!*! !!!*!!! !! !!!!!!! !* *!* !!!!!!!!* !!! !!!!!!!*!!!*!!!!   *

logo
NTDB id 964545 NYE66 RS04105 WP 033015653.1  KMDVTYEEAKQYMLDGLAPLGEEYVAIVKEGLDNRWVDVRENKGKRSGAYSSGAYGTHPYILLNWQDNVHNLFTLVHEFG  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ETALTYEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETG  389
consensus                                       *!!!!       * !!* !!!!   !* *   !!*!!**!!!!!!!!!! !!! !****!!!!!! **!!!!!!!! !

logo
NTDB id 964545 NYE66 RS04105 WP 033015653.1  HSVHSYYTRKTQPYPYAHYSIFVAEVASTCNEALLNDHLLKTIDDEKKRLYLLNHYLEGFRGTVFRQTMFAEFEHLIHLK  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    HSLHSTFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEA  469
consensus                                    !!*!! *!! !!!!*!**!*!!*!!*!!!*!! *! **!!! * !*! !  *!!!!!*!!*!!!!!!! !!!!!! !!

logo
NTDB id 964545 NYE66 RS04105 WP 033015653.1  AQQGEALTAETLTSLYYDLNKKYFGDEIVVDQEIGLEWSRIPHFYYNYYVYQYATGFSAATALSKQILEEGEPAVKRYID  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    DASGQILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLT  549
consensus                                       !  !!!* *  !! !!! !!*         !!  !! !!!!!! !!!!!!!!!!! !!* !   !**  !*    !*
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 964545 NYE66 RS04105 WP 033015653.1  FLKAGSSDYPIEVLKKAGVDMTSAEPIRQACQVFAEKLDEMEQLLEK.....   607
NTDB id 480 HSISS4 RS02090 WP 002890133.1    YLKAGSSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                    *!!!!!!!!!*!!*!!!!!!!!   ***   !*  !!  **!  !*!  !*!!*****
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X non conserved

X similar

X $\geq$ 50% conserved