```
logo
NTDB id 351784 E3E17 RS01280 WP 003577415.1  MQHLPARAEVPTELTWDLTTIYPDDKAWQVDFEAVRQQAKEAAALKGTLGKSPEALVAGIKAVLAVFRRFEKVYVYSSLK   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ..MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMK   78
consensus                                    *** * ! ***   !!!!!!!** !  !  **!   !  ! ! !  !*!  !*  !***    * * !! !!*!!! !*!

logo
NTDB id 351784 E3E17 RS01280 WP 003577415.1  SDQDTGNAAYQAMNAKAESLAADLASQLAFMDPEILAIPADQLTAWRDTE.SLKPYGHFIDAITVNRQHVLTTAAESLIA  159
NTDB id 480 HSISS4 RS02090 WP 002890133.1    NDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLA  158
consensus                                     !!!!  * !!  *!!!  !   !    !* *!! *!**   !  *** !* ! *! !* * *  !* !!!*  !! !*!

logo
NTDB id 351784 E3E17 RS01280 WP 003577415.1  SAGDALNASHATFNVLNNSDLQFGFVENEDGETVQLSNGLYGQLIRSTNRKLRKDAFEALLRAYESLKNTFAQTLSGQIK  239
NTDB id 480 HSISS4 RS02090 WP 002890133.1    AAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVK  238
consensus                                     !!!  !*** !!!!! ! !* !**!    !* ! !**! *  !* !  ! *!! !*!!*   !!   *!*!!!! ! *!

logo
NTDB id 351784 E3E17 RS01280 WP 003577415.1  AHNFNALAHHYPDARAAAMASNHIPESVYTTLLDQVNAHLPLLHRYIALRKKILNVDQLHMYDIYTPLTGRPPLSFTLDQ  319
NTDB id 480 HSISS4 RS02090 WP 002890133.1    VHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETET.ALTYEE  317
consensus                                     !!**!  *!!* !!*!!*! !*!!!!!! *!!* !! !!!!!!!* !!!!*! *! !*!!!*!!!!*  ***  ! *

logo
NTDB id 351784 E3E17 RS01280 WP 003577415.1  AKDEALKALAPLGNDYLDHMREIFNNRYIDVVENKGKRSGAYSGGAYDTNPFILLNWHDAVDELYTLVHETGHSVHSWYT  399
NTDB id 480 HSISS4 RS02090 WP 002890133.1    SLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFT  397
consensus                                        !   !!* ! *!  ***  !  !*!!!**!!!!!!!!!!!!!!!!!*!*!!!!*! *!  !*!!!!!!!!!*!! *!

logo
NTDB id 351784 E3E17 RS01280 WP 003577415.1  RHHQPYVYGDYPIFVAEIASTTNENLLTDYFLKNTNDPKVRAYILNYYLDGFKGTVFRQAQFADFEHWIHQQDQHGEPLT  479
NTDB id 480 HSISS4 RS02090 WP 002890133.1    RQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILT  477
consensus                                    !**!!!!!!!!!!!!*!!!!!!!!!!*!!*   !!    !*!  !   !!!*!!!!!!!!!!!!! !!!*!!!  !!   !  *!  *!!

logo
NTDB id 351784 E3E17 RS01280 WP 003577415.1  ATSMSSYYADLNERYYNPKVERNYEIQFEWERIPHFYYNYYVYQYATGFAAASTLAAGISGGEPEAVSRYIGYLKSGSSK  559
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSD  557
consensus                                    !  !   !!!!! *!! *     *!! !!! !!!!!! !!!!!!!!!!!!!!! !!  ! *! *!    !* !!! !!!
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 351784 E3E17 RS01280 WP 003577415.1  YAIDTMKAAGVDMTKPDYLEAAFSLFEQRLAELEEILQKG....   599
NTDB id 480 HSISS4 RS02090 WP 002890133.1    YPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                    !*** *! !!!!!! *!!!*!!! *!! !! !!! ** !!****
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X non conserved

X similar

X $\geq$ 50% conserved