```
logo
NTDB id 1022500 V8V89 RS12240 WP 003563017.1  MQHLPARAEVPTELTWDLTTIYPDDKAWQVDFEAVRQQAKEAAALKGTLGKSPEALVAGIKAVLAVFRRFEKVYVYSSLK   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1     ..MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMK   78
consensus                                     *** * ! ***   !!!!!!!** !  !  **!   !  ! ! !  !*!  !*  !***    * * !! !!*!!! !*!

logo
NTDB id 1022500 V8V89 RS12240 WP 003563017.1  SDQDTGNAAYQAMNAKAESLAADLASQLAFMDPEILAIPADQLTAWRDTE.SLKPYGHFIDAITVNRQHVLTTAAESLIA   159
NTDB id 480 HSISS4 RS02090 WP 002890133.1     NDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLA   158
consensus                                      !!!!  * !!  *!!!  !   !    !* *!! *!**   !  *** !* ! *! !* * *  !* !!!*  !! !*!

logo
NTDB id 1022500 V8V89 RS12240 WP 003563017.1  SAGDALNASHATFNVLNNSDLQFGFVENEDGETVQLSNGLYGQLIRSTNRKLRKDAFEALLRAYESLKNTFAQTLSGQIK   239
NTDB id 480 HSISS4 RS02090 WP 002890133.1     AAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVK   238
consensus                                      !!!  !*** !!!!! ! !* !**!    !* ! !**! *  !* !  ! *!! !*!!*   !!   *!*!!!! ! *!

logo
NTDB id 1022500 V8V89 RS12240 WP 003563017.1  AHNFNALAHHYPDARAAAMASNHIPESVYTTLLDQVNAHLPLLHRYIALRKKILNVDQLHMYDIYTPLTGRPPLSFTLDQ   319
NTDB id 480 HSISS4 RS02090 WP 002890133.1     VHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETET.ALTYEE   317
consensus                                      !!**!  *!!* !!*!!*! !*!!!!!! *!!* !! !!!!!!!!* !!!!*! *! !*!!!*!!!!*  ***  ! *

logo
NTDB id 1022500 V8V89 RS12240 WP 003563017.1  AKDEALKALAPLGNDYLDHMREIFNNRYIDVVENKGKRSGAYSGGAYDTNPFILLNWHDAVDELYTLVHETGHSVHSWYT   399
NTDB id 480 HSISS4 RS02090 WP 002890133.1     SLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFT   397
consensus                                        !   !!* ! *!  ***  !  !*!!!**!!!!!!!!!!!!!!!!!*!*!!!!*! *! !*!!!!!!!!!*!! *!

logo
NTDB id 1022500 V8V89 RS12240 WP 003563017.1  RHHQPYVYGDYPIFVAEIASTTNENLLTDYFLKNTNDPKVRAYILNYYLDGFKGTVFRQAQFADFEHWIHQQDQHGEPLT   479
NTDB id 480 HSISS4 RS02090 WP 002890133.1     RQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILT   477
consensus                                     !**!!!!!!!!!!!*!!!!!!!!!!*!!*  !!   !*! !  !!!*!!!!!!!!!!! !!!*!!! !!  ! *! *!!

logo
NTDB id 1022500 V8V89 RS12240 WP 003563017.1  ATSMSSYYADLNARYYGPDVARDPEIAFEWARIPHFYYNYYVYQYATGFAAASTLAAGISGGEPEAVSRYIGYLKSGSSK   559
NTDB id 480 HSISS4 RS02090 WP 002890133.1     ADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSD   557
consensus                                     !  !   !!!!! *!! *     *!! !!! !!!!!! !!!!!!!!!!!!!!! !!  ! *! *!    !* !!! !!!
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logo                                                  YPLEVMKKAGVDMTNTDYLEAAFSVFEQRLVELEKLVQKGVHLS

NTDB id 1022500 V8V89 RS12240 WP 003563017.1          YAIDTMKAAGVDMTKPDYLEAAFSLFEQRLAELEKILQKG....   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