```
logo
NTDB id 1166449 AB3214 RS02555 WP 162143227.1  MTKQPTRDQVPEDLTWDLTKVFATDAEWEKTFAQVKTAAADLTQYVGTLGQSGAALLKGIQAILSVYRTFEKVYVYASMR   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1      ..MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMK   78
consensus                                      **  * ! ***!  !!!!! *!!!!!*!!  *          * ! !*!  !*  !! *    *!* !  !!*!!!!!!*

logo
NTDB id 1166449 AB3214 RS02555 WP 162143227.1  SDQDTGNAHYQSYDAQASALAAQVSAATAFMEPEILAIPEAKLEQFFIDTPQLADYRHFIEVITVKRAHVLPADQEALLA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1      NDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLA  158
consensus                                       !!!!  **!! ! ! !! !  !*! ! !* !!! *!*** !!  !    ! !* ! !* ! *   * !!!* * ! !!!

logo
NTDB id 1166449 AB3214 RS02555 WP 162143227.1  AAEDVFSSSAQTFNVLSNSDLKLPMVKDEDGNDVQLTNGVYSTLLQSPNRDVRKGVFQGLYAAYGQYQHTFASTLAGQIK  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1      AAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVK  238
consensus                                      !! !*!  *  !!!!! ! !*  ! ! !  !  ! !!*! * !!* !* !!*!!! * **!* ! !*!!!*! !! ! *!

logo
NTDB id 1166449 AB3214 RS02555 WP 162143227.1  ADNYTAQVRHYSSAREAAMARNHIPASVYDTLIEQVNAHLPLLHRYVALRKRLLKLDTVHMYDMYTPITGTPQLSYTFAE  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1      VHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETET.ALTYEE  317
consensus                                       *!! ! !!!! !!!*!!*! !*!! !!!!*!*! !! !!!!!!!!* !!!**! !! **!!!*!!!** !* *  !* !

logo
NTDB id 1166449 AB3214 RS02555 WP 162143227.1  AKQEARRALSVLGEDYLSHVDEIFNNRYIDVVENKGKRSGAYSGGAYDTPPYELLNWQDDLENLYTLVHETGHSVHSWYT  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1      SLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFT  397
consensus                                        !    ! * !!*!  *!*  !  !*!!!**!!!!!!!!!!!!!!!!*** !!!!!! !*!!*!!!!!!!!!*!! *!

logo
NTDB id 1166449 AB3214 RS02555 WP 162143227.1  RHNQPYQYGDYPIFVAEIASTTNENILTDYLLKTQKDPAVQAYVLNHYLDGFKGTVFRQTQFAEFEHHIHESQQQGTPLT  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1      RQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILT  477
consensus                                      !* !!!  !!!!!!!*!!!!!!!!!!!!!* !!!  !!*     *!!!!!!!!!!!!!!!!!!!!!!!!!!!!     ! *!!

logo
NTDB id 1166449 AB3214 RS02555 WP 162143227.1  ADSMSQFYGDLNARYYGPETAKDPEIALEWSRIPHFYYNYYVYQYSTGFAAASTLAAKITSGADGAVDRYINNFLKSGSS  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1      ADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYL.TYLKAGSS  556
consensus                                      !! !   !*!!! *!! *     *!!  !! !!!!!! !!!!!!! !!!!!!! !! !! *! *   * !** *!! !!!
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logo                                                  RYPLEVWQSAGVDMTQTDYLENAFRVFEDRLYELEKLVEKGVHLS
                                                      DIATDTIKKAGVDMTNADYLDAAFKVFADRLDALEALVEKGVHLS

NTDB id 1166449 AB3214 RS02555 WP 162143227.1         RYAIDTMQSAGVDMTQADYLENAFRVFADRLDALEKLV.......   598
NTDB id 480 HSISS4 RS02090 WP 002890133.1             DYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                              !*** *  !!!!!!* !!!* !!*!! !!!  !! !!*******
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X non conserved

X similar

X $\geq$ 50% conserved