```
logo
NTDB id 402122 GMB04 RS01390 WP 005690004.1  MQHLPAREDVPTQLTWDLTTIYPDDSAWETDFKAVRAQAKAAVALKGTLGNSADALVTGIKAVLAVFRRFEKVYVYSSLK   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ..MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMK   78
consensus                                    *** * ! ***   !!!!!!!** !  !!!**       ! ! !  !*!  !!  !* *    * * !! !!*!!! !*!

logo
NTDB id 402122 GMB04 RS01390 WP 005690004.1  SDQDTGNATYQAMNAKAESLGAELASQLARLDPEILATPSDKLTAWRDTE.SLKPFGHFIDAITVNREHVLTTAAEALIA  159
NTDB id 480 HSISS4 RS02090 WP 002890133.1    NDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLA  158
consensus                                     !!!!  * !!  *!!!  !   !    !* *!! *!**  !!  *** !* ! ** !* * *  !**!!!*  !! !*!

logo
NTDB id 402122 GMB04 RS01390 WP 005690004.1  SAGDALNASHATFNVLNNSDLQFGFVENEDGETVQLSNGLYGQLIRSTNRKLRKEAFEALLRAYESLKNTFAQTLSGQVK  239
NTDB id 480 HSISS4 RS02090 WP 002890133.1    AAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVK  238
consensus                                     !!!  !*** !!!!! ! !* !**!    !* ! !**! *  !* !  ! *!! !*!!*   !!   *!*!!!! ! !!

logo
NTDB id 402122 GMB04 RS01390 WP 005690004.1  AHNFNATAHHYKNARAAAMASNHIPESVYTTLIDQVNTHLPLLHRYVALRKKVLAVDQLHMYDIYTPLTGQPPLTYTLEQ  319
NTDB id 480 HSISS4 RS02090 WP 002890133.1    VHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETA.LTYEE  317
consensus                                     !!**!  *!!  !!*!!*! !*!!!!!! *!** !! !!!!!!!* !!!!!!**! !*!!!*!!!!*  ** * ! !

logo
NTDB id 402122 GMB04 RS01390 WP 005690004.1  AKAEALKALAPLGDDYLEHVREIFDNRYIDVVENKGKRSGAYSGGAYDTNPFILLNWHDAVDELYTLVHETGHSVHSWYT  399
NTDB id 480 HSISS4 RS02090 WP 002890133.1    SLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFT  397
consensus                                        !   !!* !**!  *!*  !  !*!!!**!!!!!!!!!!!!!!!!!*!*!!!!*!  *!  !*!!!!!!!!!*!! *!

logo
NTDB id 402122 GMB04 RS01390 WP 005690004.1  RHNQPYVYGDYPIFVAEIASTTNENLLTDYFLTHSDDSKVRAYILNYYLDGFKGTVFRQTQFAEFEHWIHQQDQQGEPLT  479
NTDB id 480 HSISS4 RS02090 WP 002890133.1    RQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILT  477
consensus                                    !* !!!!!!!!!!!*!!!!!!!!!!*!!*  ! *  ! ! !  !!!*!!!!!!!!!!!!!!!!!!!!! !!  !  ! *!!

logo
NTDB id 402122 GMB04 RS01390 WP 005690004.1  ATSMSQYYADLNERYYGPEVARDPEIAFEWARIPHFYYNYYVYQYATGFAAASTLAAGISSGEPDAAARYLDYLKSGSSK  559
NTDB id 480 HSISS4 RS02090 WP 002890133.1    ADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSD  557
consensus                                    !  !   !!!!! *!! *     *!! !!! !!!!!! !!!!!!!!!!!!!!! !!  ! *! **    !! !!! !!!
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logo                                                  YPLEVMKTAGVDMTNTDYLEAAFSVFEQRLVELEKLVQKGVHLS
                                                      ATDTIKKAGVDMTKPDYLDAAFKVFEDRLMELEATLEKGVHLS

NTDB id 402122 GMB04 RS01390 WP 005690004.1           YAIDTMKTAGVDMTKPDYLEAAFSVFEQRLMELEKILQKG....   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