```
logo
NTDB id 377509 FGL89 RS06535 WP 014974773.1  MAQPLRNEVPKSLTWDLTTIFSTDEAWQAAFEKIQNDTQKVRQFAGHVGDSAETVQAALEANLALERQLESVHVYANQIY   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    .MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKN   79
consensus                                    *  * ! ***   !!!!!!!! !!  !  *!  *!  !  *!!!* !!!  * *! !  * ! ! !! **!!!

logo
NTDB id 377509 FGL89 RS06535 WP 014974773.1  DQDTTNQKYAAFYARVQGLWATVSEATAYFQPEVLNIPDADLATYLT.TDGLKKYAHLFETLKAQKPYTLLADQEALLAG  159
NTDB id 480 HSISS4 RS02090 WP 002890133.1    DQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAA  159
consensus                                    !!!!!   !  * !*   !*  *!!! !!! !! * **!  !! *  * *!!  ! ! !! ! !*!** !  * ! !!!*

logo
NTDB id 377509 FGL89 RS06535 WP 014974773.1  ASDIFNASENTFGALDNSDIIFGDVHTESGEIVPLTNGLYSLLLESKNRALRQEAFETLYDSYIALQNTFASTLSSHVKG  239
NTDB id 480 HSISS4 RS02090 WP 002890133.1    AGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKV  239
consensus                                    ! !!!!** !!  !!! !!*!* !*   !**!*!!*! *  !*!!! ! *!  !*! *! *!   !*!*! !!  *!!

logo
NTDB id 377509 FGL89 RS06535 WP 014974773.1  HNFLARTRHYQSAREAAILPHQVPTTVFQTLIKTVDEHLPLLHRFVSLRKKILNVEDVHSYDLYVPLVDEIDFEVTYEKA  319
NTDB id 480 HSISS4 RS02090 WP 002890133.1    HNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSET.ETALTYEES  318
consensus                                    !!* !* !!!*!!!*!!* ** *! *!* *!* *!  !!!!!!!** !!!!*! ***** !!*! !! * **  *!!!

logo
NTDB id 377509 FGL89 RS06535 WP 014974773.1  KDIVLAALAPLGEDYLAIVQKAFDERWIDVVENKGKRTGAYSSGTYDTNPFILLNWQNNLNNVYTLAHEMGHSIHSYLTR  399
NTDB id 480 HSISS4 RS02090 WP 002890133.1    LKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTR  398
consensus                                          !!* !!*!   !* !! !!!!!!**!!!!!*!!!! ! !!!!*!*!!!!!  ! !**!! !! !!!*!!  !!

logo
NTDB id 377509 FGL89 RS06535 WP 014974773.1  HNQPYYYGDYPIFLAEIASTTNESLLTDYLLKNNDDPKFQAYILNQYLDGFKGTVFRQTQFAEFENWIHEQSAQGEALTA  479
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTA  478
consensus                                    * !!! !!!!!!!!!!!!!!!!! *!!* !!!   !*!    !!!*!!!!!!!!!!!!!!!!!!!!* !!!   ! !   !!!

logo
NTDB id 377509 FGL89 RS06535 WP 014974773.1  DKMSTYYGNLNQKYYGNDLFPDEEIAFEWSRIPHFYYNFYVYQYATGEAAATTLAERILNQ..NGAEAYKNYLKAGSSDY  557
NTDB id 480 HSISS4 RS02090 WP 002890133.1    DFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDY  558
consensus                                    ! !   !* !! !!!     *  !! !!! !!!!!! !*!!!!!!!! !!!* !!!*!** **   !!!  !!!!!!!!!
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logo

NTDB id 377509 FGL89 RS06535 WP 014974773.1   PLNVIAKAGVDMSQADYLNQAFDVFEERLNQLEMLLKK.....   595
NTDB id 480 HSISS4 RS02090 WP 002890133.1     PLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                     !! !! !!!!!!** !!!  !! !!!*!!  !! !* !*****
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X non conserved
X similar
X $\geq$ 50% conserved