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logo

NTDB id 1143066 DYY97 RS01365 WP 070650070.1  MQHLPVREDVPTKLTWDLTTIYPNDAAWNADFEAVREQAKEAAALKGTLGNSADALITGIKAVLAVFRRFEKVYVYSSLK   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1     ..MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMK   78
consensus                                     *** * ! *** ! !!!!!!!** !! !  **!      ! ! !  !*!  !!  !* *    * * !! !!*!!! !*!

logo

NTDB id 1143066 DYY97 RS01365 WP 070650070.1  SDQDTGNATYQAMNAKAESLGAELASQLAFLDPEILAIPADKLTAWRDTE.SLKPFGHFIDAITVNRQHVLTTAAEALIA   159
NTDB id 480 HSISS4 RS02090 WP 002890133.1     NDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLA   158
consensus                                      !!!!  * !!  *!!!  !   !     !* *!! *!**  !!  *** !* ! ** !* * *  !* !!!*  !! !*!

logo

NTDB id 1143066 DYY97 RS01365 WP 070650070.1  SAGDALNASHATFNVLDNSDLQFGFVENEDGETVQLSNGLYGQLIRSTQRKLRKEAFETLLRAYESMKNTFAQTLSGQVK   239
NTDB id 480 HSISS4 RS02090 WP 002890133.1     AAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVK   238
consensus                                      !!!  !*** !!!!!!! !* !**!    !* ! !**! *  !* !  ! *!! !*! *   !!   *!*!!!! ! !!

logo

NTDB id 1143066 DYY97 RS01365 WP 070650070.1  AHNFNAKAHHYANARAAAMASNHIPESVYTTLIDQVNTHLPLLHRYVTLRKKVLGVDQLHMYDIYTPLTGKPPLTFTLDQ   319
NTDB id 480 HSISS4 RS02090 WP 002890133.1     VHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETET.ALTYEE   317
consensus                                      !!**!! *!!  !!*!!*! !*!!!!!! *!** !! !!!!!!!!* !!!!!!!*! !*!!!*!!!!*  ***  ! *

logo

NTDB id 1143066 DYY97 RS01365 WP 070650070.1  AKTEALKALAPLGDDYLSHVREIFDNRYIDVVENKGKRSGAYSGGSYDTNPFILLNWHDAVDELYTLIHETGHSVHSWYT   399
NTDB id 480 HSISS4 RS02090 WP 002890133.1     SLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFT   397
consensus                                        !    !!* !**!  *!*  !  !*!!!**!!!!!!!!!!!! !!!!*!*!!!!*! *!  !*!!*!!!!!!*!! *!

logo

NTDB id 1143066 DYY97 RS01365 WP 070650070.1  RHNQPYVYGDYPIFVAEIASTTNENLLTDYFLTHTDDPKVRAYILNYYLDGFKGTVFRQTQFAEFEHWIHQQDQQGEPLT   479
NTDB id 480 HSISS4 RS02090 WP 002890133.1     RQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILT   477
consensus                                     !* !!!!!!!!!!!*!!!!!!!!!!*!!*   !  *   !*! !  !!!*!!!!!!!!!!!!!!!!!!!! !!   !   ! *!!

logo

NTDB id 1143066 DYY97 RS01365 WP 070650070.1  ATSMSTYYADLNERYYNLKVERNYEIQFEWERIPHFYYNYYVYQYATGFAAASTLAAGISSGEPNAASRYLDYLKSGSSQ   559
NTDB id 480 HSISS4 RS02090 WP 002890133.1     ADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSD   557
consensus                                     !  !   !!!!! *!! !     *!! !!! !!!!!! !!!!!!!!!!!!!!! !!  ! *! *     !! !!! !!!
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logo
                                                  YAIDTMKTAGVDMTKPDYLEAAFSMFEKRLTELEELLQKG....   599
NTDB id 1143066 DYY97 RS01365 WP 070650070.1
NTDB id 480 HSISS4 RS02090 WP 002890133.1         YPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                         !*** *! !!!!!! *!!!*!!! *!! !! !!! !* !!****
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X non conserved

X similar

X ≥ 50% conserved