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logo
NTDB id 1165622 AB3219 RS07595 WP 263773370.1  MTEIKQLPKRDEVPVKLTWDLTSIFENKEAVDSAIAKLNPEIKTLLAQQGTLKDSSENLLKVIQAELKIQNQLEHLYVYA   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1      .....MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYA   75
consensus                                      *****  * ! *** ! !!!!!*!!      **      ***!   !  !*! !!  !!!      * *   !!**!!!!

logo
NTDB id 1165622 AB3219 RS07595 WP 263773370.1  ELKNDQDTGNNVNQGLKDQITGLVSKISAQLAWIEPEILAIPNEKLTEFQNSDPKLKPYDHFLAVLKLKKDHILSAKEEA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1      SMKNDQDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEE  155
consensus                                       *!!!!!!   * !      * ! ! *!   !* !!! *!**  !! !!   *! ! *!!!*   !   !!!*!!   !

logo
NTDB id 1165622 AB3219 RS07595 WP 263773370.1  ILAGASSIFDSSEKVFGILDNSDLKFPFVKNDTGQTVQLSQGMYSTLLQSTDQTVRKQAFVQLYAVYEQFRNTFAATLAG  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1      LLAAAGDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQG  235
consensus                                      *!!*!  !!  *   ! *!!! !* !!*!    !  ! !**! * !!* ! !  *!! !*  *!* !!!! *!*! !! !

logo
NTDB id 1165622 AB3219 RS07595 WP 263773370.1  EVKVHNFNAQIRGFKDVRQAAMSENAIPESVYSNLVTEVNSHLDLLHRYVELRKKILNLKEMHMYDLYTPITGKSPLSYP  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1      VVKVHNYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETE.TALT  314
consensus                                       !!!!!**! *!**   !*!!*  ! !!!!!!  !*  !! !!*!!!!!**!!!!*! ! !**!!!*!!!**   *   *

logo
NTDB id 1165622 AB3219 RS07595 WP 263773370.1  YQEAQKEAKQALQIMGNDYVNHVDEAFNNRWIDVVENQGKRSGAYSSGVYGTNPFMLLNWQDDLDNLFTLVHEMGHSMHT  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1      YEESLKKAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHS  394
consensus                                      ! !   ! !   ! ! ! *!  *!* !!  !!!!!**! !!!!!!!! ! ! !!*!!!!!!! !!!!!!!!!! !!!*!*

logo
NTDB id 1165622 AB3219 RS07595 WP 263773370.1  YYTTHNQPYQYGDYAIFVAEIASTTNENILTSYLLNKYKDDPQIRLYVLNHYLDDFKGTVYRQTQFAEFEQFIHAADAKGE  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1      TFTRQTQPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQ  474
consensus                                       *! * !!! !!!!*!!*!!!!!!!!!!!!!  !!    !*  !  *!!!!!! !!!!!*!!!!!!!!!* !! !!! !

logo
NTDB id 1165622 AB3219 RS07595 WP 263773370.1  PLTAEMMSSYYGDLNHRYYGNAVINDSQIKFEWTRIPHFYYNFYVYQYATGFAAASSLANGITQKKPNALENYLNYLKSG  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1      ILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAG  554
consensus                                      *!!!* !   !*!!!**!!          ! !!! !!!!!! !*!!!!!!!!!!!!!! !!  ! *  *   ! !! !!! !
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logo

NTDB id 1165622 AB3219 RS07595 WP 263773370.1  SSDFPLNVMKKAGVDMTKTDYLEDAFQVFEERLNEFENLV.......  600
NTDB id 480 HSISS4 RS02090 WP 002890133.1      SSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS  601
consensus                                      !!!*!! !*!!!!!!!! !!!!* !! !!!*!! ! ! !!*******
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X non conserved
X similar
X ≥ 50% conserved