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logo

NTDB id 1081704 ACK2I7 RS02165 WP 021001473.1  MAKQRNEIEEKYTWDLTTIFPTDEAFEAELSQVSKELKEASNLAGHLLDSADSLLKTTEIQLDLMRRIEKLYSYAHMKND   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1      MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKND   80
consensus                                      !  *! **!!!!!!!!!!!!*!!  *! !     *!! !!  !!!!!!!!  !!  !!* * !!!!*!!*! !!*!!!!

logo

NTDB id 1081704 ACK2I7 RS02165 WP 021001473.1  QDTRVAKYQEYQAKGMAIYSEFGQAFAFYEPEFMAITDEQYQTFLAEKPELQIYQHFFDKLLQKKPHILSQREEELLAGA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1      QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                      !!! !* !!!!!!!*  *!!    !!!**!!!!!!* !     !    ! ! *! !*!**!!  !*!*!!!  !!!!!*!

logo

NTDB id 1081704 ACK2I7 RS02165 WP 021001473.1  GEIFSAAGDTFGILDNADIVFPTVHDEEGNEVQLTHGNYISLVESKNRTVRKEAYEALYSVYEQYQHTYAKTLQTNVKVH  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1      GDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVH  240
consensus                                      !*!! ** !!! *!!!!!!*!! !*!  !  ! !!!!!*!*!*!!! ! *!! !!!!*!  !!!*!!!!! !!!  !!!!

logo

NTDB id 1081704 ACK2I7 RS02165 WP 021001473.1  NYNAKVRNFSSAREAALSANFIPESVYDSLVSAVNKHLPLLHRYIALRAKILGLSDLKMYDLYTPLSEADYKFTYEEALM  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1      NYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESLK  320
consensus                                      !!*!!!!** !!!*!!! !!!!!!!!!!!!*  !!!!!!!!!!!* !! !*!!! *!!!!!*!!!!!! *   !!!! !

logo

NTDB id 1081704 ACK2I7 RS02165 WP 021001473.1  KAEEVLAILGEDYLGRVKEAFSDRWIDVYENQGKRSGAYSGGSYDTNAFMLLNWQDTLDNLFTLVHETGHSMHSSYTREN  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1      KAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQT  400
consensus                                      !!!!!!!! !!*!   !* !!**!!!!!**! !!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!**!!

logo

NTDB id 1081704 ACK2I7 RS02165 WP 021001473.1  QPYVYGDYSIFLAEIASTTNENILTETLLKEVKDDQTRFAILNHYLDGFRGTVFRQTQFAEFEHAIHKADQEGQVLTSEF  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1      QPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADF  480
consensus                                      !!!!!!!!*!!!!!!!!!!!!!!!!! !! !! !! !!!!!!!!*!!!!*!!!!!!!!!!!!!!!! !!   !!*!! *!

logo

NTDB id 1081704 ACK2I7 RS02165 WP 021001473.1  LNDLYADLNEKYYGLTKEDNPQIQYEWARIPHFYYDYYVFQYSTGFSAASALADKIVNGTQEDKEKYLNYLKAGNSDYPL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1      MNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPL  560
consensus                                      *! !!!!!!!!!! !   !!!* !!*!! !!!!!!  !!!*!! !!! !!! !!*!!!*!! !!!! !! !!!!! !!!!!
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logo
                                                  NVIKKAGVDMEKEDYLNAAFAVFERRLDEFEALVEKLGLA.   600
NTDB id 1081704 ACK2I7 RS02165 WP 021001473.1     NVIKKAGVDMEKEDYLNAAFAVFERRLDEFEALVEKLGLA.   600
NTDB id 480 HSISS4 RS02090 WP 002890133.1         EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                          !!!!!!!!!   !!! !!! !!! !! ! !!!!!!  * *
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X non conserved

X similar

X $\geq$ 50% conserved