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logo

NTDB id 36600 SMUNN2025 RS06900 WP 002283195.1  MSDNRSHIEEKYQWDLTSIFPNDQTWEKEEKSLAKDLGIAVKRADHLLDSSQSLLEITELYLALSRRLEKLYVYASMKND   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1       MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKND   80
consensus                                       !!!!!*!*!!!! !!!!*!!* !  !! !  !  !! !  ! !!!!!  !! !!!!* ! !!!!!*!!!!!!!!!!

logo

NTDB id 36600 SMUNN2025 RS06900 WP 002283195.1  QDTTVSYYQELQAKATALIAKFNQTFAFYEPEFMLLSTEKYQDFLADCPDLLPYQHFFERLFKQKKHVLSQKEEALLAEA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1       QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                       !!!!!  !!! !!!!* !       !!**!!!!! !   !  *!   *! ! *! !*!!!!  *! !!!!!  ! !!! !

logo

NTDB id 36600 SMUNN2025 RS06900 WP 002283195.1  SEIFGAAGETFEILDNADIIFPWVKDETGEEVELSHGNFISLMESKNRKVRQEAYKAMYSIYEQYQHTYAKTLQTNVKVN  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1       GDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVH  240
consensus                                        *!! ** *!! *!!!!!!*!!!! !  !* !!!*!!!!!*!!!!! ! *!  !! !!!  !!!*!!!!! !!!   !!!*

logo

NTDB id 36600 SMUNN2025 RS06900 WP 002283195.1  NFQAKIRNYKSAREAALAANFIPETVYDTLVEAVHNHLPLLQRYVKLRQNVLGLDDLKMYDIYVPLSEMDMTFTYEAALD  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1       NYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESLK  320
consensus                                       !*!!!*!*! !!!*!!!!!!!!!!*!!!*!*! !* !!!!!*!!* !!  !!!!!*!!!!!*! !!!! *   !!!  !

logo

NTDB id 36600 SMUNN2025 RS06900 WP 002283195.1  KAEEVLAIFGRDYAERVHRAFRERWIDVRVNKGKRSGAYSGGSYDTNAFILLNWQDTLDNLFTLVHETGHSLHSTFTREN  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1       KAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQT  400
consensus                                       !!!!!!!!!! *!   !! !! !!!!!!**!!!!!!!!!!!! !!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 36600 SMUNN2025 RS06900 WP 002283195.1  QPYVYGDYSIFLAEIASTTNENILTETLLKEATDEKQRFAILNHYLDGFKGTVFRQTQFAEFEDLIYKADQAGDVLTSDY  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1       QPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADF  480
consensus                                       !!!!!!!!*!!!!!!!!!!!!!!!!!!!!!  !*! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!* !* !!   ! *!! !*

logo

NTDB id 36600 SMUNN2025 RS06900 WP 002283195.1  LNNLYADLNEKYYGLSKENNPEIQYEWARIPHFYYNFYVYQYATGFAAASFLAHKIVHGNQEDKDKYLNYLKAGNSDYPL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1       MNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPL  560
consensus                                       *! !!!!!!!!!!! !  ! !*!!!*!! !!!!!! !*!!!!!!!!!!!!!!*!!*!!!!!  !!!* !! !!!!! !!!!!
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logo
                                                  NVIAKAGLDMTESTYIDQAFKVFEERLIELEELVEKGID..   599
NTDB id 36600 SMUNN2025 RS06900 WP 002283195.1    NVIAKAGLDMTESTYIDQAFKVFEERLIELEELVEKGID..   599
NTDB id 480 HSISS4 RS02090 WP 002890133.1         EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                          !! !!!*!!! * !*! !!!!!!*!!*!!! !!!!!****
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X non conserved

X similar

X $\geq$ 50% conserved