```
logo
NTDB id 422275 G3T13 RS05175 WP 061775231.1  MVKKREAIDEKYKWDLTTIFATDEAFEAELAEVLTALEDARNLAGTLTDSAENLLAVTDTELALMQRVEKLYVYASMKND   80
NTDB id 480 HSISS4 RS02090 WP 002890133.1    MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKND   80
consensus                                    !   ! ***!!! !!!!!!!!!!  *! !   *  !  !   !!*! !!! !!!* !*  * !! !*!!*!!!!!!!!!

logo
NTDB id 422275 G3T13 RS05175 WP 061775231.1  QDTTVSLYQEYQAKVTALYAKFSEVFAFYEPEFMTLSQERFAQFVIDHPKLQTYGHFFEQLFDRKAHVLSSAEEALLAGA  160
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QDTTVGLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAA  160
consensus                                    !!!!! !!!!!!!!! * !!   !! !!**!!!!! !   * ! !   *! !  ! !*!! !   ! !!!!   ! !!!*!

logo
NTDB id 422275 G3T13 RS05175 WP 061775231.1  SEIFGAGAETFEILDNADIVFPTIRDAQGQDVQLSHGNYISFMESSNREVRKAAYQALYSIYEQYQHTYAKTLQTNVKVH  240
NTDB id 480 HSISS4 RS02090 WP 002890133.1    GDIFNGPTDTFNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVH  240
consensus                                     *!! ** *!! *!!!!!!*!! * !*!!  ! !*!!!*!* !!!  !**!!*!! !*!  !!!*!!!!! !!!  !!!!

logo
NTDB id 422275 G3T13 RS05175 WP 061775231.1  NFTAKTRHYHSAREAALSSNHIPEAVYDTLVQAVNDHLPLLHRYIQLRSDILKIDDLKMYDVYAPLSTTDYNFTYEEAVA  320
NTDB id 480 HSISS4 RS02090 WP 002890133.1    NYQAKVRHYNSARHAALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESLK  320
consensus                                    !* !! !!!*!!!*!!!  !*!!! !!!*!*  !! !!!!!!!!* !!  *! *!*!!!!!!! !!! !*   !!!! *

logo
NTDB id 422275 G3T13 RS05175 WP 061775231.1  KTQGTLAIFGPDYLEKVKRSFEENWIDVQENKGKRSGAYSGGSYDTNAFMLLNWQDTLDNLFTLVHEMGHSMHSSFTRES  400
NTDB id 480 HSISS4 RS02090 WP 002890133.1    KAEEVLAIFGEEYSKGVHAAFTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQT  400
consensus                                    !    !!!!!**!   !*  ! ! !!!!**!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!! !!!*!!*!!! *

logo
NTDB id 422275 G3T13 RS05175 WP 061775231.1  QPYVYGDYSIFLAEIASTTNENILTETLLHDVEDDETRFAVLNHFLDGFRGTVFRQTQFAEFEHAIHEADAAGTVLTSEF  480
NTDB id 480 HSISS4 RS02090 WP 002890133.1    QPYVYGDYPIFLAEIASTTNENILTETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADF  480
consensus                                    !!!!!!!!*!!!!!!!!!!!!!!!!!!!!**!  !! !!!!*!!!*!!!!*!!!!!!!!!!!!!!!!!!!!!  !  *!!  *!

logo
NTDB id 422275 G3T13 RS05175 WP 061775231.1  LNQQYAELNEKYYGLAASDNPEIQYEWARIPHFYYNYYVFQYATGFAAASALADKIVNGTEQDKADYLNYLRAGSSDYPL  560
NTDB id 480 HSISS4 RS02090 WP 002890133.1    MNKLYADLNEKYYNLKAEDNYEIQFEWERIPHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPL  560
consensus                                    *!  !!*!!!!!! ! ! !!*!!!*!! !!!!!! !!!!*!!!!!!!!!! !!*!!!*!!! !!  !! !!*!!!!!!!!
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logo
                                                  NVIAKAGVDMTSADYLTAAFAVFEKRLTELEALVAKHG...   598
NTDB id 422275 G3T13 RS05175 WP 061775231.1
NTDB id 480 HSISS4 RS02090 WP 002890133.1         EVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVEKGVHLS   601
consensus                                          !! !!!!!!!  !!! !!! !!! !! !!!!!! !* ***
```

X non conserved

X similar

X $\geq$ 50% conserved