```
logo
NTDB id 97949 R8566 RS04760 WP 000244145.1  MVLQRNEINEKDTWDLSTIYPTDQAWEEALKDLTEQLETVAQYEGHLLDSADNLLEITEFSLEMERQMEKLYVYAHMKNDQDTRE   85
NTDB id 480 HSISS4 RS02090 WP 002890133.1  MSDNRTHLEEKYTWDLTTIFATDADWETEYESTVQDLKKASAYAGHLLDSAKNLLGATELYMSLMRRLEKIYVYASMKNDQDTTV   85
consensus                                  !  *! ** !! !!!!*!!**!!  !!         !     ! !!!!!!! !!!  !!  * * ! *!!*!!!!*!!!!!!!

logo
NTDB id 97949 R8566 RS04760 WP 000244145.1  AKYQEYYAKAMTLYSQLDQAFSFYEPEFMEISEKQYADFLEAQPKLQVYQHYFDKLLQGKDHVLSQREEELLAGAGEIFGSASET  170
NTDB id 480 HSISS4 RS02090 WP 002890133.1  GLYQEYQAKASNLYSQLSEAFAYFEPEFMALDDKKLAEFKEQEPGLGLYDHYFERLLANKDHVLSQEAEELLAAGDIFNGPTDT  170
consensus                                  * !!!! !!!  !!!!!  !! **!!!!! * *!  !*! !  ! ! *! !!!**!!  !!!!!!!  !!!!!*!!*!!  ***!

logo
NTDB id 97949 R8566 RS04760 WP 000244145.1  FSILDNADIVFPYVLDDDGKEVQLSHGTYTRLMESKKREVRRGAYQALYATYEQFQHTYAKTLQTNVKVQNYRAKVRNYKSARHA  255
NTDB id 480 HSISS4 RS02090 WP 002890133.1  FNVLDNADILFPWVSDGQGDVVELTHGNFITLMESKDRDIRKGAYEAMYGTYEQFQHTYAQTLQGVVKVHNYQAKVRHYNSARHA  255
consensus                                  ! *!!!!!!*!!*! !  !  ! !*!! *  !!!!! !**!*!!! !*!*!!!!!!!!!! !!!  !!!*!! !!!!*! !!!!!

logo
NTDB id 97949 R8566 RS04760 WP 000244145.1  ALAANFVPESVYDNLVAAVRKHLPLLHRYLELRSKILGISDLKMYDVYTPLSSVEYSFTYQEALKKAEDALAVLGEDYLSRVKRA  340
NTDB id 480 HSISS4 RS02090 WP 002890133.1  ALAANFIPESVYDSLLESVNKHLPLLHRYLDLRKKVLGLDELKMYDVYTPLSETETALTYEESLKKAEEVLAIFGEEYSKGVHAA  340
consensus                                  !!!!!!*!!!!!! !*  ! !!!!!!!!!!*!! !*!!* *!!!!!!!!!!!  !   !! ! !!!!!* !!* !!*!   !* !

logo
NTDB id 97949 R8566 RS04760 WP 000244145.1  FSERWIDVYENQGKRSGAYSGGSYDTNAFMLLNWQDNLDNLFTLVHETGHSMHSSYTRETQPYVYGDYSIFLAEIASTTNENILT  425
NTDB id 480 HSISS4 RS02090 WP 002890133.1  FTERWIDVHPNKGKRSGAYSGGAYDTNAFMLLNWQDTLDNLFTLVHETGHSLHSTFTRQTQPYVYGDYPIFLAEIASTTNENILT  425
consensus                                  !*!!!!!!**! !!!!!!!!!! !!!!!!!!!!!!! !!!!!!!!!!!!!!!*!!**!! !!!!!!!!!*!!!!!!!!!!!!!!!!

logo
NTDB id 97949 R8566 RS04760 WP 000244145.1  EKLLEEVEDDATRFAILNNFLDGFRGTVFRQTQFAEFEHAIHQADQNGEVLTSDFLNKLYADLNQEYYGLSKEDNPEIQYEWARI  510
NTDB id 480 HSISS4 RS02090 WP 002890133.1  ETLLKEVKDDKTRFAILNHYLDGFKGTVFRQTQFAEFEHAIHEADASGQILTADFMNKLYADLNEKYYNLKAEDNYEIQFEWERI  510
consensus                                  ! !!  !!  !!  !!!!!!!**!!!!*!!!!!!!!!!!!!!!!! !!   !  *!! !!*!!!!!!!!  !!  !   !!!*!!!*!!  !!

logo
NTDB id 97949 R8566 RS04760 WP 000244145.1  PHFYYNYYVYQYSTGFAAASALAEKIVHGSQEDRDRYIDYLKAGKSDYPLNVMRKAGVDMEKEDYLNDAFAVFERRLNEFEALVE  595
NTDB id 480 HSISS4 RS02090 WP 002890133.1  PHFYMNYYVYQYATGFAAASYLAEKIVHGTEEDKEAYLTYLKAGSSDYPLEVIKKAGVDMTNTDYLDAAFKVFEDRLVELEALVE  595
consensus                                  !!!! !!!!!!! !!!!!!! !!!!!!!!* !!** !* !!!!! !!!!! !**!!!!!!   !!!  !! !!! !! ! !!!!!
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logo                                          KLVLL
                                              KGGHAS
NTDB id 97949 R8566 RS04760 WP 000244145.1    KLGLA.    600
NTDB id 480 HSISS4 RS02090 WP 002890133.1     KGVHLS    601
consensus                                     !  * *
```

X non conserved
X similar
X $\geq$50% conserved