```
logo
NTDB id 163642 AU094 RS06490 WP 058386452.1   ......MKKRYLIPTLIILSIISLFVGVSSISVADLLDFQSEETQIFLISRLPRLVAILLAGAGMSMAGLIMQQLSRNKF   74
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1 MFFKHILSLKVLIALLLFFGMISLFIGVISINVKDILNLNSTQLEIITLTRIPRLIAILLTGMSLSICGLIMQQLTQNKF   80
consensus                                     *******  * !!* !*   *!!!!*!! !! ! !*!  *!    !  **!*!!!*!!!! !  *!**!!!!!!!* !!!

logo
NTDB id 163642 AU094 RS06490 WP 058386452.1   VSPTTAGTLDATRLGILVSMLLFANATMLEKMTVAFAFALAGTFLFMQILNRIKFKDAIFIPLVGLMFGNILSSITTFFA   154
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1 VSPTTAGTMDCAKFGILISLIFFAGASFFTQAIIASVFALLGSFIFIQILRKIKLKDVIFVPLIGLMFGGIISAITTFFA   160
consensus                                     !!!!!!!!*!* * !!!*!** !! !*      *!  !!! !*!*!*!!! *!! !! !!*!!*!!!!! !*! !!!!!!

logo
NTDB id 163642 AU094 RS06490 WP 058386452.1   YRADVIQNMSAWLQGDFSMVMKGSYELLYISVPVFIIAYLYANRFTVAGMGEDFSKNLGMKYRSVVNIGLTLVALITATV   234
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1 YALNYIQNIQGWLQGSMANVMQGNYELLYISLPLFIILAYFLAHKITIVGMGEDIALNLGISYNGILFLGLMIVSIITSLV   240
consensus                                     !    !!!* *!!!!    !! ! !!!!!!!*!*!!*!!  !** !* !!!!!   !!!* !  ** *!! *! *!!  !

logo
NTDB id 163642 AU094 RS06490 WP 058386452.1   VLTVGVIPFLGLIIPNIVSIFKGDHLQKTLPHTAMLGAIFLLVCDILGRVLIYPYEISISLMVGVIGSFIFLFLLFRRKT   314
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1 IVSVGIIPFLGLIIPNLVALYLGDNLRKNLIYIALCGALFLLVCDIISRLVIFPFEMPLSITTGVLGSLIFIFLLLKRKA   320
consensus                                     ***!!*!!!!!!!!!!!*! ** !!*! ! !** !**!!*!!!!!!!* !**!*!*!***!*  !!*!! !!*!!! *!!

logo

NTDB id 163642 AU094 RS06490 WP 058386452.1   YA   316
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1 YA   322
consensus                                     !!
```

X non conserved

X similar

X $\geq$ 50% conserved