```
logo
NTDB id 38256 PPE RS19900 WP 013312014.1      ......MKLRYLILAFLVLAFASVFIGVHDVNPLDVFHLTNDQAQVLLISRFPRLISIIIAGASMSICGLIMQQLTRNRF   74
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1  MFFKHILSLKVLIALLLFFGMISLFIGVISINVKDILNLNSTQLEIITLTRIPRLIAILLTGMSLSICGLIMQQLTQNKF   80
consensus                                     ******* !* !!   !  *  !*!!!!* *!* !* *!   !  ** **! !!!! !** ! !*!!!!!!!!!!! !*!

logo
NTDB id 38256 PPE RS19900 WP 013312014.1      VSPTTAGTMDAARLGVLMAIMVFGAAGFWTKMLTAFGFALAGTLIFTKILDKIRFKDPVFIPLVGLMFGGILNSVTTFFA   154
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1  VSPTTAGTMDCAKFGILISLIFFAGASFFTQAIIASVFALLGSFIFIQILRKIKLKDVIFVPLIGLMFGGIISAITTFFA   160
consensus                                     !!!!!!!!!!*!* !*!* ** !**! !*!  * !  !!! !* !!  !! !!* !!**!*!!*!!!!!!!*  *!!!!!

logo
NTDB id 38256 PPE RS19900 WP 013312014.1      YKYNLIQGISSWMQGDFSLIMSGRYEMLYLSVPLVALAYIYANRFTIAGMGEDFAANLGVHYKRTVNVGLVIVALVSSVV   234
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1  YALNYIQNIQGWLQGSMANVMQGNYELLYISLPLFILAYFLAHKITIVGMGEDIALNLGISYNGILFLGLMIVSIITSLV   240
consensus                                     !  ! !! !  !*!!    *! ! !!*!!*!*!!  !!!  !** !! !!!!! ! !!!**!   * *!!*!! ***!*!

logo
NTDB id 38256 PPE RS19900 WP 013312014.1      ILTVGTIPFLGLVVPNLVSMYMGDNLKKSLAHTAILGAVFVLFCDILGRVIIYPYEISVGLTVGVIGSALFLYLLLRRRA   314
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1  IVSVGIIPFLGLIIPNLVALYLGDNLRKNLIYIALCGALFLLVCDIISRLVIFPFEMPLSITTGVLGSLIFIFLLLKRKA   320
consensus                                     !**!! !!!!!!**!!!! *!*!!!!*! ! * !**!!*!*! !!!* !**!*!*!*** *! !!*!! *!**!!!*!*!

logo
NTDB id 38256 PPE RS19900 WP 013312014.1      YES   317
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1  YA.   322
consensus                                     ! *
```

X non conserved

X similar

X $\geq$ 50% conserved