```
logo
NTDB id 178687 SporoP32a RS07900 WP 085427401.1  ......MKKRYLIIAVILLSFVSLFVGASRITPADLLDWRSEETEIFLISRVPRLVAILLAGAGMSIAGLIMQQLSRNKF   74
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1    MFFKHILSLKVLIALLFFGMISLFIGVISINVKDILNLNSTQLEIITLTRIPRLIAILLTGMSLSICGLIMQQLTQNKF   80
consensus                                       *******  * !!  **    *!!!*!   ! * !*!   !   !!  **!*!!!*!!!! !  *!!*!!!!!!!* !!!

logo

NTDB id 178687 SporoP32a RS07900 WP 085427401.1  VSPTTAGTLDATKLGILVSMLIFTNATLLEKMAVSFTFALLGTFLFMQILDRIKFKDAIFIPLVGLMFGSILSSITTFFA  154
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1    VSPTTAGTMDCAKFGILISLIFFAGASFFTQAIIASVFALLGSFIFIQILRKIKLKDVIFVPLIGLMFGGIISAITTFFA  160
consensus                                       !!!!!!!!*!* ! !!!*!** !  !*      *   !!!!!*!*!*!!! *!! !! !!*!!*!!!!! !*! !!!!!!

logo

NTDB id 178687 SporoP32a RS07900 WP 085427401.1  FKANVIQNMSAWLQGDFSMIMKGRYELLYISIPVLIITYLYANRFTVAGMGEDFAKNLGLAYKSIVNIGLVLVALITTTV  234
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1    YALNYIQNIQGWLQGSMANVMQGNYELLYISLPLFILAYFLAHKITIVGMGEDIALNLGISYNGILFLGLMIVSIITSLV  240
consensus                                       *  ! !!!* *!!!!    *! ! !!!!!!!*!* !* !  !** !* !!!!! ! !!!* !  !* *!!**! *!!* !

logo

NTDB id 178687 SporoP32a RS07900 WP 085427401.1  VLTVGLIPFLGLIIPNIVSIFKGDHLQKTLPHTALLGAVFLLICDILGRVIIFPYEISISLMVGVIGSAIFLFLLFRGKA  314
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1    IVSVGIIPFLGLIIPNLVALYLGDNLRKNLIYIALCGALFLLVCDIISRLVIFPFEMPLSITTGVLGSLIFIFLLLKRKA  320
consensus                                       ***!!*!!!!!!!!!!!*! ** !!*! ! !** !!*!!*!!!*!!!* !**!!!*!***!*  !!*!! !!*!!! * !!

logo

NTDB id 178687 SporoP32a RS07900 WP 085427401.1  YA   316
NTDB id 1235 CJJ81176 RS06500 WP 002869322.1    YA   322
consensus                                       !!
```

X non conserved

X similar

X $\geq$ 50% conserved