```
logo
NTDB id 1367 NTHI RS01945 WP 011271971.1     .MTKKLFYYQGSNALNQKQKGSIIADTKQQAHFQLISRGLTHIKLQQNWQFGAKPKNSEISELLNQLATLLQSVIPLKNS   79
NTDB id 1356 HI 0297 AAC21961.1              .MTKKLFYYQASNPLNQKQKGSIIADTKQQAHFQLISRGLTHIKLQQNWQFGAKPKNSEISELLNQLATLLQSAIPLKNS   79
NTDB id 186106 A6B44 RS03350 WP 090922471.1  .MNLYEFKWKGVNRFLQPQKGTVLATHHQVAENRLLQKGYRHLKIKRNFAFNRAPKKEEVTQFIHQLSLLLNAKITLRKA   79
NTDB id 1385 A4U84 RS08520 WP 005711777.1    MNNIYEFQWKGRNRFGQKQTGRQLAESREVLEKRLQQKGYSQLSISRHFALPTAPKKEEINQFMQQLALLIQAKIPLKQS   80
consensus                                     * *  !** **!* *!*!*!***!**** *** !* *! ****** ** *** !!  !**  **!!* !** *!*!***

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NTDB id 1367 NTHI RS01945 WP 011271971.1     LQILQQNCTQIMLNKWLERLLQSIESGLAFSQAIEQQGKYLTQQEIQLIQVGEMTGKLAVVCKKIATHRSQSLALQRKLQ   159
NTDB id 1356 HI 0297 AAC21961.1              LQILQQNCTQIVLNEWLERLLQSIESGLAFSQAIEQQGKYLTQQEIQLIQVGEMTGKLAVVCKKIATHRSQSLALQRKLQ   159
NTDB id 186106 A6B44 RS03350 WP 090922471.1  LGVLLENCTNIKLYVWLQEIIALIEKGNSLSDSLTTLDKYFTSQEIQLIKIAERSGQLSVIFCNIADTRAKSEKLTKKVK   159
NTDB id 1385 A4U84 RS08520 WP 005711777.1    LVMLLETCQNRTFYRWQQETIRLIEAGFALSVAFKKQGKYINPQEIQLIKMAETSGNLGLILTNIAQRREKSEKLAKKIK   160
consensus                                    !**!  *!***** *!*  *** !!*!** !*******!!***!!!!!! **!**!*!***** !!**!* !  !**!*

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NTDB id 1367 NTHI RS01945 WP 011271971.1     KIMLYPSMVLGISLLLTLALLLFIAPQFAEMYSGNNAELPTITAILLSISNFLKQNIGILLFFVLSFFLFYYFYLKRQTW   239
NTDB id 1356 HI 0297 AAC21961.1              KIMLYPSMVLGISLLLTLALLLFIVPQFAEMYSGNNAELPTITAILLSISNFLKQNIGILLFFVLSFFLFYYFYLKRQTW   239
NTDB id 186106 A6B44 RS03350 WP 090922471.1  KVMFYPVIVLGISILLCLMLLIFIVPQFADLYQSKEKSLPLITALLFKTSQVLQQHYIALLSTTIFIVTVVIMLSKKTNI   239
NTDB id 1385 A4U84 RS08520 WP 005711777.1    KILFYPVFILAISITLSILLLLFIVPQFAELYGSKGKSLPLITEILFSLSHFLQHSILTLIILCVLCFLLIHILNKKTDL   240
consensus                                    !** !! **!*!!**!***!!*!!*!!!!**!*  *  !! !!**! **!**! *****!************* *!* **

logo
NTDB id 1367 NTHI RS01945 WP 011271971.1     FHQKKNQLISITPIFGTIQKLSRLVNFSQSLQIMLQAGVPLNQALDSFLPRTQTWQTKKTLVNDMVLDKEVRSILQWVSQ   319
NTDB id 1356 HI 0297 AAC21961.1              FYQKKNQLISITPIFGTIQKLSRLVNFSQSLQIMLQAGVPLNQALDSFLPRTQTWQTKKTLVNDIVLDKEVRSILQWVSQ   319
NTDB id 186106 A6B44 RS03350 WP 090922471.1  ISILKVNILSLLPIFNKIMSEHRIIFFCQNIALMQKAGIPLNIALSSFISKKE.........EDQVLQKELSNILTILNQ   310
NTDB id 1385 A4U84 RS08520 WP 005711777.1    IKRLKFILSHIPILKGIIQYSRIIFFCQNSSLMLASHIRLDTVLHSFLANKS.........DDILLQGSLAITLTYLKQ   311
consensus                                      * !****!**!!***!****!** !*! ***!******!***!*!!*** ***********!**! ******! ***!

logo
NTDB id 1367 NTHI RS01945 WP 011271971.1     GYAFSNSVSSDLFPMEAQQMLQIGEQSGKLALMLEHIADNYQEKLNHQIDLLSQMLEPLMMVIIGSLIGIIMMGMYLPIF   399
NTDB id 1356 HI 0297 AAC21961.1              GYAFSNSVSSDLFPMEAQQMLQIGEQSGKLALMLEHIAENYQEKLNHQIDLLSQMLEPLMMVIIGSLIGIIMMGMYLPIF   399
NTDB id 186106 A6B44 RS03350 WP 090922471.1  GYPFSETLNPSVFGEQVIQMIAIGEECGRLSQMLEHIVTLKQQKLDYKIDILSQLLEPALMLFIGVIIGTIIIALYLPIF   390
NTDB id 1385 A4U84 RS08520 WP 005711777.1    GYRLADSLDPKLFPTDMLQMIAIGEQSGKLSPMLQQISDGYQQRLDYQIDILSQLLEPMLMVLMGIIVGTILVGLYLPIF   391
consensus                                    !!**********!*****!!* !!!**!*! *!!**!****! *! **!!*!!!*!!!**!***!***! !****!!!!!

logo
NTDB id 1367 NTHI RS01945 WP 011271971.1     NMGSVIQ   406
NTDB id 1356 HI 0297 AAC21961.1              NMGSVIQ   406
NTDB id 186106 A6B44 RS03350 WP 090922471.1  DMGALI.   396
NTDB id 1385 A4U84 RS08520 WP 005711777.1    DMGAMIE   398
consensus                                     !! *!*
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X non conserved
X similar
X $\geq$ 50% conserved