```
logo

NTDB id 1385 A4U84 RS08520 WP 005711777.1     MNNIYEFQWKGRNRFGQKQTGRQLAESREVLEKRLQQKGYSQLSISRHFALPTAPKKEEINQFMQQLALLIQAKIPLKQS    80
NTDB id 210459 BTV17 RS07745 WP 012341581.1  MQNLKLFSWKATNFLQQKQAGMLVIENVQEAKRYLLQQGLNNIYLQRHWQLNKKPKKIEFCDLLTQLAMLLQSSIPLKDS    80
NTDB id 1356 HI 0297 AAC21961.1               .MTKKLFYYQASNPLNQKQKGSIIADTKQQAHFQLISRGLTHIKLQQNWQFGAKPKNSEISELLNQLATLLQSAIPLKNS    79
NTDB id 1367 NTHI RS01945 WP 011271971.1      .MTKKLFYYQGSNALNQKQKGSIIADTKQQAHFQLISRGLTHIKLQQNWQFGAKPKNSEISELLNQLATLLQSVIPLKNS    79
consensus                                     ** ***!** **! **!!!*!*************!* *!******* *** ***!! *!******!!!*!*!* !!!!*!

logo

NTDB id 1385 A4U84 RS08520 WP 005711777.1     LVMLLETCQNRTFYRWQQETIRLIEAGFALSVAFKKQGKYINPQEIQLIKMAETSGNLGLILTNIAQRREKSEKLAKKIK   160
NTDB id 210459 BTV17 RS07745 WP 012341581.1  LQILLRNCVNISLNQWVRYILKNLEGGLSFSQSVAQSGLYFSYQERQLISVGEMTGDLASVCQQIAEHRQQALALQRKIQ   160
NTDB id 1356 HI 0297 AAC21961.1               LQILQQNCTQIVLNEWLERLLQSIESGLAFSQAIEQQGKYLTQQEIQLIQVGEMTGKLAVVCKKIATHRSQSLALQRKLQ   159
NTDB id 1367 NTHI RS01945 WP 011271971.1      LQILQQNCTQIMLNKWLERLLQSIESGLAFSQAIEQQGKYLTQQEIQLIQVGEMTGKLAVVCKKIATHRSQSLALQRKLQ   159
consensus                                     !**! **!*** ***!********!*!***!******!*!***!!*!!!***!**!*!******!!**!*****!**!**

logo

NTDB id 1385 A4U84 RS08520 WP 005711777.1     KILFYPVFILAISITLSILLLLFIVPQFAELYGSKGKSLPLITEILFSLSHFLQHSILTLIILCVLCFLLIHILNKKTDL   240
NTDB id 210459 BTV17 RS07745 WP 012341581.1  KILLYPMIVLSISVILTALLLIFIVPQFAEMYGSNQSELPFFTQLLLNISSFLQQYFFHMIAVSILFFYLIKLRLHNSYS   240
NTDB id 1356 HI 0297 AAC21961.1               KIMLYPSMVLGISLLLTLALLLFIVPQFAEMYSGNNAELPTITAILLSISNFLKQNIGILLFFVLSFFLFYYFYLKRQTW   239
NTDB id 1367 NTHI RS01945 WP 011271971.1      KIMLYPSMVLGISLLLTLALLLFIAPQFAEMYSGNNAELPTITAILLSISNFLKQNIGILLFFVLSFFLFYYFYLKRQTW   239
consensus                                     !!**!!***!*!!**!** !!*!!*!!!!!*!  ****!!**!**!***!*!! *********** *!*  *********

logo

NTDB id 1385 A4U84 RS08520 WP 005711777.1     IKRLKFIILSHIPILKGIIQYSRIIFFCQNSSLMLASHIRLDTVLHSFLANKS.........DDILLQGSLATTLTYLKQ   311
NTDB id 210459 BTV17 RS07745 WP 012341581.1  FQLKKDWFLSHVPLLNKIIRLNRTISFCRSLGLMLNSGIPLQQSLYSFLPQNSIN.IQKKIEGDLTLINEVKLTLRGIEQ   319
NTDB id 1356 HI 0297 AAC21961.1               FYQKKNQLISITPIFGTIQKLSRLVNFSQSLQIMLQAGVPLNQALDSFLPRTQTWQTKKTLVNDIVLDKEVRSILQWVSQ   319
NTDB id 1367 NTHI RS01945 WP 011271971.1      FHQKKNQLISITPIFGTIQKLSRLVNFSQSLQIMLQAGVPLNQALDSFLPRTQTWQTKKTLVNDMVLDKEVRSILQWVSQ   319
consensus                                     * **!****!**!* **! ***!***!******!!* ***!***!*!!!*** **********!**!****** !****!

logo

NTDB id 1385 A4U84 RS08520 WP 005711777.1     GYRLADSLDPKLFPTDMLQMIAIGEQSGKLSPMLQQISDGYQQRLDYQIDILSQLLEPMLMVLMGIIVGTILVGLYLPIF   391
NTDB id 210459 BTV17 RS07745 WP 012341581.1  GYKFSQSVSSNLFSIQTQQMLQVGEKSGNLGLILQHIAENQQQQLDHQIDLLSQMLEPFMMVIIGGLIGLIMLGMYLPIF   399
NTDB id 1356 HI 0297 AAC21961.1               GYAFSNSVSSDLFPMEAQQMLQIGEQSGKLALMLEHIAENYQEKLNHQIDLLSQMLEPLMMVIIGSLIGIIMMGMYLPIF   399
NTDB id 1367 NTHI RS01945 WP 011271971.1      GYAFSNSVSSDLFPMEAQQMLQIGEQSGKLALMLEHIADNYQEKLNHQIDLLSQMLEPLMMVIIGSLIGIIMMGMYLPIF   399
consensus                                     !!****!****!!*****!!***!!*!!*!***! *!****! *! *!!!*!!!*!!!**!!**!***!*!**!*!!!!!

logo

NTDB id 1385 A4U84 RS08520 WP 005711777.1     DMGAMIE   398
NTDB id 210459 BTV17 RS07745 WP 012341581.1  NMGSLIQ   406
NTDB id 1356 HI 0297 AAC21961.1               NMGSVIQ   406
NTDB id 1367 NTHI RS01945 WP 011271971.1      NMGSVIQ   406
consensus                                     *!!**!*
```

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