```
logo
NTDB id 351750 EXH44 RS01980 WP 162856044.1  MNNIYEFQWKGRNRFGQKQTGRQLAESREVLEKHLQQKGYSQLRISRHFALPTAPKKEEINQFMQQFALLIQAKIPLKQS   80
NTDB id 1385 A4U84 RS08520 WP 005711777.1    MNNIYEFQWKGRNRFGQKQTGRQLAESREVLEKRLQQKGYSQLSISRHFALPTAPKKEEINQFMQQLALLIQAKIPLKQS   80
NTDB id 1367 NTHI RS01945 WP 011271971.1     .MTKKLFYYQGSNALNQKQKGSIIADTKQQAHFQLISRGLTHIKLQQNWQFGAKPKNSEISELLNQLATLLQSVIPLKNS   79
NTDB id 1356 HI 0297 AAC21961.1              .MTKKLFYYQASNPLNQKQKGSIIADTKQQAHFQLISRGLTHIKLQQNWQFGAKPKNSEISELLNQLATLLQSAIPLKNS   79
consensus                                    *     ! * * !*  !!! !  *!***   * *!  *! *****  **  *  !!  !!   **!*! !*! *!!!!*!

logo
NTDB id 351750 EXH44 RS01980 WP 162856044.1  LVMLLETCQNRTFYRWQQETIRLIEAGFALSVAFEKQGKYINPQEIQLIKMAETSGNLGLILTNIAQRREKSEKLAKKIK  160
NTDB id 1385 A4U84 RS08520 WP 005711777.1    LVMLLETCQNRTFYRWQQETIRLIEAGFALSVAFKKQGKYINPQEIQLIKMAETSGNLGLILTNIAQRREKSEKLAKKIK  160
NTDB id 1367 NTHI RS01945 WP 011271971.1     LQILQQNCTQIMLNKWLERLLQSIESGLAFSQAIEQQGKYLTQQEIQLIQVGEMTGKLAVVCKKIATHRSQSLALQRKLQ  159
NTDB id 1356 HI 0297 AAC21961.1              LQILQQNCTQIVLNEWLERLLQSIESGLAFSQAIEQQGKYLTQQEIQLIQVGEMTGKLAVVCKKIATHRSQSLALQRKLQ  159
consensus                                    ! *!   ! * *  *!    *  !! ! ! ! ! * !!!!* *!!!!!! **! *! !****  !! *!  !  ! *!*

logo
NTDB id 351750 EXH44 RS01980 WP 162856044.1  KILFYPVFILAISITLSILLLLFIVPQFAELYGSKGKSLPLITEILFSLSHFLQHSILTLIILCALCFLLIHILNKKTDL  240
NTDB id 1385 A4U84 RS08520 WP 005711777.1    KILFYPVFILAISITLSILLLLFIVPQFAELYGSKGKSLPLITEILFSLSHFLQHSILTLIILCVLCFLLIHILNKKTDL  240
NTDB id 1367 NTHI RS01945 WP 011271971.1     KIMLYPSMVLGISLLLTLALLLFIAPQFAEMYSGNNAELPTITAILLSISNFLKQNIGILLFFVLSFFLFYYFYLKRQTW  239
NTDB id 1356 HI 0297 AAC21961.1              KIMLYPSMVLGISLLLTLALLLFIVPQFAEMYSGNNAELPTITAILLSISNFLKQNIGILLFFVLSFFLFYYFYLKRQTW  239
consensus                                    !!* !!   *!*!!* !** !!!!!*!!!!!*!       !! !! !! !*!*!! * !  !*  ** *!!  *   !*

logo
NTDB id 351750 EXH44 RS01980 WP 162856044.1  IQRLKLIILSHIPILKGIIQYSRIIFFCQNSSLMLASHIRLDTVLHSFLANK.........SDDILLQGSLATTLTYLKQ  311
NTDB id 1385 A4U84 RS08520 WP 005711777.1    IKRLKFIILSHIPILKGIIQYSRIIFFCQNSSLMLASHIRLDTVLHSFLANK.........SDDILLQGSLATTLTYLKQ  311
NTDB id 1367 NTHI RS01945 WP 011271971.1     FHQKKNQLISITPIFGTIQKLSRLVNFSQSLQIMLQAGVPLNQALDSFLPRTQTWQTKKTLVNDMVLDKEVRSILQWVSQ  319
NTDB id 1356 HI 0297 AAC21961.1              FYQKKNQLISITPIFGTIQKLSRLVNFSQSLQIMLQAGVPLNQALDSFLPRTQTWQTKKTLVNDIVLDKEVRSILQWVSQ  319
consensus                                        !* **!* !!   !   !!** !*!   *!!  ***!   !*!!!*  *********  !**!   * * ! ** !

logo
NTDB id 351750 EXH44 RS01980 WP 162856044.1  GHRLADSLDPKLFPTDMLQMIAIGEQSGKLSPMLQQISDGYQQRLDYQIDILSQLLEPMLMVLMGIIVGTILVGLYLPIF  391
NTDB id 1385 A4U84 RS08520 WP 005711777.1    GYRLADSLDPKLFPTDMLQMIAIGEQSGKLSPMLQQISDGYQQRLDYQIDILSQLLEPMLMVLMGIIVGTILVGLYLPIF  391
NTDB id 1367 NTHI RS01945 WP 011271971.1     GYAFSNSVSSDLFPMEAQQMLQIGEQSGKLALMLEHIADNYQEKLNHQIDLLSQMLEPLMMVIIGSLIGIIMMGMYLPIF  399
NTDB id 1356 HI 0297 AAC21961.1              GYAFSNSVSSDLFPMEAQQMLQIGEQSGKLALMLEHIAENYQEKLNHQIDLLSQMLEPLMMVIIGSLIGIIMMGMYLPIF  399
consensus                                    !*    !* * !!! *  !!* !!!!!!!! *!! *! * !! *! *!!!*!!!*!!!**!!**! **! !**!*!!!!!

logo
NTDB id 351750 EXH44 RS01980 WP 162856044.1  DMGAMIE   398
NTDB id 1385 A4U84 RS08520 WP 005711777.1    DMGAMIE   398
NTDB id 1367 NTHI RS01945 WP 011271971.1     NMGSVIQ   406
NTDB id 1356 HI 0297 AAC21961.1              NMGSVIQ   406
consensus                                     !! *!
```

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