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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
logo
NTDB id 1366 NTHI RS01950 WP 011271972.1      MTSYALLHTQRVTAQNGEIFTISPDLWERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGKPVEPIL   80
NTDB id 178084 BTI247 RS21965 WP 053563650.1  ..................................................................................   0
NTDB id 96 BSU 24730 NP 390353.1              ..................................................................................   0
consensus

logo
NTDB id 1366 NTHI RS01950 WP 011271972.1      LESSQLKELLQQLTPHQMQVEEQVKFYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVL   160
NTDB id 178084 BTI247 RS21965 WP 053563650.1  ....................................MNGIEIFANTILKEACRVQASDLHIVPRQKDVAVQLRVGKDL   42
NTDB id 96 BSU 24730 NP 390353.1              ....................................MDSIEKVSKNLIEEAYLTKASDIHIVPREDAIIHFRVDHAL   42
consensus                                                                          ** **** ******!   *!!!*!**** **  * *!**  !

logo
NTDB id 1366 NTHI RS01950 WP 011271972.1      QPQPLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTFSDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFAELG   240
NTDB id 178084 BTI247 RS21965 WP 053563650.1  MTRHCIEKEFGEKLVSHFKFLASMDIGEKRKPQNGSLYLQIDG.QEVYLRLSTLPTVYQESLVIRLHLQASVQ.PLSHLS   120
NTDB id 96 BSU 24730 NP 390353.1              LKKRDMKKEECVRLISHFKFLSAMDIGERRKPQNGSLTLKLKE.GNVHLRMSTLPTINEESLVIRVMPQYNIP.SIDKLS   120
consensus                                     * *  * !*** ***!**!*!* *!!*!*!*!!*!** ***     * *!*!!!!!** !**!*!*  *  *  **  !*

logo
NTDB id 1366 NTHI RS01950 WP 011271972.1      MTENQQQAFQRSLSQPQGLILVTGPTGSGKSISLYTALQWLNT.PDKHIMTAEDPIEIELDGIIQSQINPQIGLDFSRLL   319
NTDB id 178084 BTI247 RS21965 WP 053563650.1  LFPSTAAKLLSFLRYSQGLLVFTGPTGSGKTTTMYALLEVIRKKKTRRIITLEDPVEKRSDDVLQIQINEKAGLTYETGL   200
NTDB id 96 BSU 24730 NP 390353.1              LFPKTGATLLSFLKHSHGMLIFTGPTGSGKTTTLYSLVQYAKKHFNRNIVTLEDPVETRDEDVLQVQVNEKAGVTYSAGL   200
consensus                                     *** *** ****!* **!****!!!!!!!!****!*******   * !*!*!!!*!  * ****!*!*!***!**** *!

logo
NTDB id 1366 NTHI RS01950 WP 011271972.1      RAFLRQDPDIIMLGEIRDEESARIALRAAQTGHLVLSTLHTNDAISAISRLQQLGIQQHEIENSLLLVIAQRLVRKICPK   399
NTDB id 178084 BTI247 RS21965 WP 053563650.1  KAILRHDPDIILVGEIRDEETAKIAIRASLTGHLVMTTLHTNDAKGAIIRFMDYGITRQEIEQSLLAVAAQRLVELKCPF   280
NTDB id 96 BSU 24730 NP 390353.1              KAILRHDPDMIILGEIRDAETAEIAVRAAMTGHLVLTSLHTRDAKGAIYRLLEFGINMNEIEQTVIAIAAQRLVDLACPF   280
consensus                                     *!*!!*!!!*!**!!!!!*!*!*!!*!!**!!!!!***!!!*!!**!! !****!!* *!!!*******!!!!!** !!*

logo
NTDB id 1366 NTHI RS01950 WP 011271972.1      CGGNLINSCDCHQGY.RGRIGVYQFLHWQQ........NGYQ..TDFENLRESGLEKVSQGITDEKEIERVLGKNS.   464
NTDB id 178084 BTI247 RS21965 WP 053563650.1  CRGKCST..LCKSMRQVRQASIYELLYGYELKQALKEADGECVTYKHETLESSIRKGYALGFLEEDVYV........   347
NTDB id 96 BSU 24730 NP 390353.1              CENGCSSV.YCRQSRNTRRASVYELLYGKNLQQCIQEAKGNHANYQYQTLRQIIRKGIALGYLTTNNYDRWVYHEKD   356
consensus                                     ! * ***   !** ** *****!**!** ** * * ** !    * ***!* ********!****  *** *
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X non conserved

X similar

X ≥50% conserved