```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1366 NTHI RS01950 WP 011271972.1     MTSYALLHTQRVTAQNGEIFTISPDLWERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGKPVEPIL    80
NTDB id 363303 EUC39 RS11060 WP 157417559.1  ..........................................................................................     0
NTDB id 96 BSU 24730 NP 390353.1             ..........................................................................................     0
consensus

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1366 NTHI RS01950 WP 011271972.1     LESSQLKELLQQLTPHQMQVEEQVKFYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVL   160
NTDB id 363303 EUC39 RS11060 WP 157417559.1  ......................................MNGIEIFANTILKEACRVQASDLHIVPRQKDVAVQLRIGKDL    42
NTDB id 96 BSU 24730 NP 390353.1             ......................................MDSIEKVSKNLIEEAYLTKASDIHIVPRERDAIIHFRVDHAL    42
consensus                                                                            ** **** ******!   *!!!*!**** **  * *!**  !

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1366 NTHI RS01950 WP 011271972.1     QPQPLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTFSDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFAELG   240
NTDB id 363303 EUC39 RS11060 WP 157417559.1  MTGHCIEKEFGEKLVLHFKFLASMDIGEKRKPQNGSLYLQIDG.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 363303 EUC39 RS11060 WP 157417559.1  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 363303 EUC39 RS11060 WP 157417559.1  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 363303 EUC39 RS11060 WP 157417559.1  CRGKCST..LCKSMRQIRQASIYELLYGYELKQALKEADGECVTYKHETLESSIRKGYALGFLEDDVYV........   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