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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1366 NTHI RS01950 WP 011271972.1    MTSYALLHTQRVTAQNGEIFTISPDLWERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGKPVEPILLESSQ    85
NTDB id 139371 SD98 RS22475 WP 001013183.1  ..........................................................................................    0
NTDB id 96 BSU 24730 NP 390353.1            ..........................................................................................    0
consensus
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1366 NTHI RS01950 WP 011271972.1    LKELLQQLTPHQMQVEEQVKFYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVLQPQPLISKIF    170
NTDB id 139371 SD98 RS22475 WP 001013183.1  ..................................MNGIEIFANTILKEACRVQASDLHIVPRQKDVAVQLRIGKDLMTRQCIEKEF    52
NTDB id 96 BSU 24730 NP 390353.1            ..................................MDSIEKVSKNLIEEAYLTKASDIHIVPRERDAIIHFRVDHALLKKRDMKKEE    52
consensus                                                                       ** **** ******!   *!!!*!**** **  * *!**  !* *  * !**
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logo
NTDB id 1366 NTHI RS01950 WP 011271972.1    ANRIISRLKLLAKLDISENRLPQDGRFQFKTTFSDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFAELLGMTENQQQAFQRSLSQ    255
NTDB id 139371 SD98 RS22475 WP 001013183.1  GEKLVSHFKFLASMDIGEKRKPQNGSLYLRIDGQ.EVYLRLSTLPTVYQESLVIRLHLQASVQ.PLSHLSLFPSTAAKLLSFLRY    135
NTDB id 96 BSU 24730 NP 390353.1            CVRLISHFKFLSAMDIGERRKPQNGSLTLKLKEG.NVHLRMSTLPTINEESLVIRVMPQYNIP.SIDKLSLFPKTGATLLSFLKH    135
consensus                                   * ***!**!*!* *!!*!*!*!!*!** ***     * *!*!!!!!** !**!*!*  *  *  **  !**** *** ****!*
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logo
NTDB id 1366 NTHI RS01950 WP 011271972.1    PQGLILVTGPTGSGKSISLYTALQWLNT.PDKHIMTAEDPIEIELDGIIQSQINPQIGLDFSRLLRAFLRQDPDIIMLGEIRDEE    339
NTDB id 139371 SD98 RS22475 WP 001013183.1  SQGLLVFTGPTGSGKTTTMYALLEVIRKKKTRRIITLEDPVEKRSDDVLQIQINEKAGLTYETGLKAILRHDPDIILVGEIRDEE    220
NTDB id 96 BSU 24730 NP 390353.1            SHGMLIFTGPTGSGKTTTLYSLVQYAKKHFNRNIVTLEDPVETRDEDVLQVQVNEKAGVTYSAGLKAILRHDPDMIILGEIRDAE    220
consensus                                   **!****!!!!!!!!****!********    * !*!*!!!*! * ****!*!*!***!**** *!*!*!!*!!!*!**!!!!!*!
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logo
NTDB id 1366 NTHI RS01950 WP 011271972.1    SARIALRAAQTGHLVLSTLHTNDAISAISRLQQLGIQQHEIENSLLLVIAQRLVRKICPKCGGNLINSCDCHQGY.RGRIGVYQF    423
NTDB id 139371 SD98 RS22475 WP 001013183.1  TAKIAIRASLTGHLVMTTLHTNDAKGAIIRFMDYGITRQEIEQSLLAVAAQRLVELKCPFCRGKCST..LCKSMRQVRQASIYEL    303
NTDB id 96 BSU 24730 NP 390353.1            TAEIAVRAAMTGHLVLTSLHTRDAKGAIYRLLEFGINMNEIEQTVIAIAAQRLVDLACPFCENGCSSV.YCRQSRNTRRASVYEL    304
consensus                                   *!*!!*!!**!!!!!***!!!*!!**!! !****!!* *!!!*******!!!!!** !!*! * ***   !** ** *****!**
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logo
NTDB id 1366 NTHI RS01950 WP 011271972.1    LHWQQ........NGYQT..DFENLRESGLEKVSQGITDEKEIERVLGKNS.    464
NTDB id 139371 SD98 RS22475 WP 001013183.1  LYGYELKQALKEANGECVTYKHETLESSIRKGYALGFLEDDVYV........    347
NTDB id 96 BSU 24730 NP 390353.1            LYGKNLQQCIQEAKGNHANYQYQTLRQIIRKGIALGYLTTNNYDRWVYHEKD    356
consensus                                   !** ** * * ***!     * ***!* ********!****  *** *
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X non conserved

X similar

X ≥50% conserved