```
logo
NTDB id 1010230 ABOA58 RS18085 WP 350302910.1  ..................................................................  0
NTDB id 96 BSU 24730 NP 390353.1               ..................................................................  0
NTDB id 1384 A4U84 RS08525 WP 010787006.1      MSQYTI.....CEQQTERIFDISPSRWQKNCEEKQLLLRYLAVPVQETEHKLWLAVDDENNLTACEIFAFMTHKQIEPVV  75
NTDB id 1366 NTHI RS01950 WP 011271972.1       MTSYALLHTQRVTAQNGEIFTISPDLWERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGKPVEPIL  80
NTDB id 1355 HI 0298 AAC21962.1                MTSYALLHTQRVTAKNGEVFTISPDLWERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGKPVEPIL  80
consensus                                      ** * *           ** ***  * **     ***** **** *   *******   ******  **** * *****

logo
NTDB id 1010230 ABOA58 RS18085 WP 350302910.1  ....................................MISIEKTAEKILTRAIQESASDIHIFFRREGPLIQFRIDNKL  42
NTDB id 96 BSU 24730 NP 390353.1               ....................................MDSIEKVSKNLIEEAYLTKASDIHIVPRERDAIIHFRVDHAL  42
NTDB id 1384 A4U84 RS08525 WP 010787006.1      IASDELKYLLNALSPEQQPIYEESELAFVEQEQEQLNLNDPIIQLLDNLFKFCLAQNASDIHIEPRKQKLIIRLRIDGVL  155
NTDB id 1366 NTHI RS01950 WP 011271972.1       LESSQLKELLQQLTPHQMQVEEQVKFYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVL  160
NTDB id 1355 HI 0298 AAC21962.1                LESSQLKELLQQLTPNQMQVEEQVKFYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVL  160
consensus                                      * *  ** *** *** *  * *                 ******* **** *** *!!!!!** * *  ****!*!**!

logo
NTDB id 1010230 ABOA58 RS18085 WP 350302910.1  VPQETLSFFEAERLIAHLKFLASMDIGEKRRPQSGALTIKLA.NQVVGLRLSTLPTAHLESLVIRLIPQQN.ILPLEQLS  120
NTDB id 96 BSU 24730 NP 390353.1               LKKRDMKKEECVRLISHFKFLSAMDIGERRKPQNGSLTLKLK.EGNVHLRMSTLPTINEESLVIRVMPQYN.IPSIDKLS  120
NTDB id 1384 A4U84 RS08525 WP 010787006.1      HLYKSLSIQLASRLISRIKLLAKLDISELRQPQDGQFSFTTALADTLDFRVSSLPTIYGEKLVLRLQKNKPTSFDFLQLG  235
NTDB id 1366 NTHI RS01950 WP 011271972.1       QPQPLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTFSDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFAELG  240
NTDB id 1355 HI 0298 AAC21962.1                QPQPLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTFSDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFSELG  240
consensus                                       **  ***  * !*!***!*!***!!*! ! !!*! *****  *****!*!*!!! **!**!*!** ***  ***  !*

logo
NTDB id 1010230 ABOA58 RS18085 WP 350302910.1  LFPNTVQKLIALLKHSHGMLIFTGPTGSGKTTTLYSLLHHAHEMINRNITTLEDPIENVSEKVLQVQINEKAGITYSVGL  200
NTDB id 96 BSU 24730 NP 390353.1               LFPKTGATLLSFLKHSHGMLIFTGPTGSGKTTTLYSLVQYAKKHFNRNIVTLEDPVETRDEDVLQVQVNEKAGVTYSAGL  200
NTDB id 1384 A4U84 RS08525 WP 010787006.1      FNPQQQTTLLNALKQPQGLILVTGPTGSGKSITLYSALNYLNQ.MDKHILTAEDPVEIEIDGLIQTQVNRSIQLDFSQLL  314
NTDB id 1366 NTHI RS01950 WP 011271972.1       MTENQQQAFQRSLSQPQGLILVTGPTGSGKSISLYTALQWLNT.PDKHIMTAEDPIEIELDGIIQSQINPQIGLDFSRLL  319
NTDB id 1355 HI 0298 AAC21962.1                MTENQQQAFQRVLSQPQGLILVTGPTGSGKSISLYTALQWLNT.PDKHIMTAEDPIEIELDGIIQSQINPQIGLDFNRLL  319
consensus                                      * ***** **  !****!****!!!!!!!!***!!*******   ***!*!*!!!*!*******!*!*!  ****** *!

logo
NTDB id 1010230 ABOA58 RS18085 WP 350302910.1  KAVLRHDPDVIMVGEVRDAETAKIAVRAALTGHLILTTMHTRDAKGAISRLLEFGVSLLEVEQSLIGVTAQRLVELRCLP  280
NTDB id 96 BSU 24730 NP 390353.1               KAILRHDPDMIILGEIRDAETAEIAVRAAMTGHLVLTSLHTRDAKGAIYRLLEFGINMNEIEQTVIAIAAQRLVDLACPF  280
NTDB id 1384 A4U84 RS08525 WP 010787006.1      RTFLRQDPDIIMLGEIRDEESAKMALRASQTGHLVLSTLHTNDALSAVERLLQLGIQEYEIQNSLLLVIAQRLVRKLCKK  394
NTDB id 1366 NTHI RS01950 WP 011271972.1       RAFLRQDPDIIMLGEIRDEESARIALRAAQTGHLVLSTLHTNDAISAISRLQQLGIQQHEIENSLLLVIAQRLVRKICPK  399
NTDB id 1355 HI 0298 AAC21962.1                RTFLRQDPDIIMLGEIRDEESAMIALRAAQTGHLVLSTLHTNDAISAISRLQQLGIQQYEIKNSLLLVIAQRLVRKLCSK  399
consensus                                      ***!!*!!!!*!**!!*!!*!*!*!**!*!!**!!!!*!***!!*!!**!**!!***!**  !*********!!!!!***!  *
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logo
NTDB id 1010230 ABOA58 RS18085 WP 350302910.1  CKGDCAF..ACKMTARNKRASVYELLYGKSLAEVLRIMGDEKGMATVGYRQLKDEIGKAVAMGYVDSEEYERLVYHETKK   358
NTDB id 96 BSU 24730 NP 390353.1               CENGCSS.VYCRQSRNTRRASVYELLYGKNLQQCIQEA..KGNHANYQYQTLRQIIRKGIALGYLTTNNYDRWVYHEKD.   356
NTDB id 1384 A4U84 RS08525 WP 010787006.1      CRGVG..CDECYQGYR.GRIGVYQCLSRTA.......KKFDKQTAYLDFSSLRESAKQKIEQQLTNETEVDRVLGYE...   461
NTDB id 1366 NTHI RS01950 WP 011271972.1       CGGNLINSCDCHQGYR.GRIGVYQFLHWQQ.......NGY.....QTDFENLRESGLEKVSQGITDEKEIERVLGKNS..   464
NTDB id 1355 HI 0298 AAC21962.1                CGGNLANSCDCHQGYR.GRIGVYQFLHWQQ.......NDY.....QTDFKNLRASGLEKVSQGITDEKEIERVLGKNL..   464
consensus                                      ! *       *! **** *!**!!* !    *          *     ** ** *!****  ** ****** ***!*** *
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X non conserved

X similar

X $\geq$ 50% conserved