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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1      ..................................................MS.....QYTICEQQTERIF........DISPSR    21
NTDB id 251058 CRN72 RS03580 WP 096743230.1    ...................................................MFHKNPLYTVSATTGEVF........EIPQAL    24
NTDB id 1366 NTHI RS01950 WP 011271972.1       ..................................................MTSYALLHTQRVTAQNGEIF........TISPDL    26
NTDB id 1355 HI 0298 AAC21962.1                ..................................................MTSYALLHTQRVTAKNGEVF........TISPDL    26
NTDB id 1168 A1552VC RS11070 WP 000957200.1    ........MLINLVAILRQAELISATQEQAVVTQVSASGTSVPEALLELSIFHAQ.ELTEQLSHIFGLPETDLSRYDYAN    71
NTDB id 1293 VP RS12240 WP 005479695.1         ........MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLSSGFFTSS.ELAEHLSSIFGLSQPELSQYEYAS    71
NTDB id 1401 DSB67 RS12665 WP 010643259.1      ........MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLSSGFFQSH.ELTEHLSSVFGLSCTSLNQYEYAS    71
NTDB id 1251 GC085 RS07725 WP 011946523.1      MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAE.QIALTAAQNFGVPMLDINCIDVGT    79
NTDB id 1058 ABD1 RS01615 WP 001274986.1       MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIEEVHLSPS.LLAETISAEFAEPYFDLDVYDTSQ    79
NTDB id 1018 ACIAD RS01685 WP 004920473.1      MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPL.TIAEIISLEFGEPLLDLGVFDPAL    79
consensus                                                 *     *     *         *         *   ***   *     ***  **  *!*    **   **  *

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1      WQKNCEEKQLLLRYLAVPVQETEHKLWLAVDDENNLTACEIFAFMTHKQIEPVVIASDELKYLLNALSPEQQPIYEESE.   100
NTDB id 251058 CRN72 RS03580 WP 096743230.1    WQKNQQQQRFLLRYFALPLQEDEKQLWLGVDSLANLSACDAFSFLTNKHIEPVLLSKNELKRALQQLSPPKLQVEESIP.   103
NTDB id 1366 NTHI RS01950 WP 011271972.1       WERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGKPVEPILLESSQLKELLQQLTPHQMQVEEQVK.   105
NTDB id 1355 HI 0298 AAC21962.1                WERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGKPVEPILLESSQLKELLQQLTPNQMQVEEQVK.   105
NTDB id 1168 A1552VC RS11070 WP 000957200.1    LCQQLGLRELITRYDALPIAKQGNLLLLAVSDPTLLQAEEEFRFATGLQVELALADHRALQAAIRRLYGRSIQGAANQGK   151
NTDB id 1293 VP RS12240 WP 005479695.1         LCQQLGLRELITRHNALPLHRTPSTLLLAVADPTNQQAEDDFRFATGLQVELVLADFRELSTAIRRLYGRSLSHEKSGLK   151
NTDB id 1401 DSB67 RS12665 WP 010643259.1      LCQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATGLQVELVLADFRELTAAIRRLYGRSLGQEKSGLK   151
NTDB id 1251 GC085 RS07725 WP 011946523.1      IPVNLVNEKLIKRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSEYV   159
NTDB id 1058 ABD1 RS01615 WP 001274986.1       IPKDLVDQKLILKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSKLLVEPVIVEHHKLEKVLGQHFAEESSFDFNDE.   158
NTDB id 1018 ACIAD RS01685 WP 004920473.1      FLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSKLKVEPIIVEHDKLERLLSEHFVEETHFNFDTE.   158
consensus                                        ***    ***** **!*      !********** * *  *! ************   !  ** ***   *  *

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1      ................LAFVEQE.QEQLNLNDPIIQLLDNLFKFCLAQNASDIHIEPRKQKLIIRLRIDGVLHLYKSLSIQ   164
NTDB id 251058 CRN72 RS03580 WP 096743230.1    ................TAYQVVQLDSDSATDEPLIQLLDQVFERALQLQASDIHFEPQQHSLQVRFRIDGVLQVQPSFSGI   168
NTDB id 1366 NTHI RS01950 WP 011271972.1       ................FYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVLQPQPLISKI   169
NTDB id 1355 HI 0298 AAC21962.1                ................FYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVLQPQPLISKI   169
NTDB id 1168 A1552VC RS11070 WP 000957200.1    ..EISQDELANLVKVSDDELQSIEDLSQDDSPVSRFINQVLLDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQPASH   229
NTDB id 1293 VP RS12240 WP 005479695.1         ..EINQEELASLVDVGADEIDNIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYEKMYRVRLRCDGILIETQQPPNH   229
NTDB id 1401 DSB67 RS12665 WP 010643259.1      ..EINQDELAGLVDIGEDEIENIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCDGILIEIQQPPSH   229
NTDB id 1251 GC085 RS07725 WP 011946523.1      EDSGDLEGLEISAD.DEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEPYEREYRIRYRQDGILHEVATPPAS   238
NTDB id 1058 ABD1 RS01615 WP 001274986.1       ..EFD...LDVNLDGPTAQEDEEEAPQGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQIANPPLQ   233
NTDB id 1018 ACIAD RS01685 WP 004920473.1      ..ELD...LDVEVDPHTTDDDDEDDKLKDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIATPPLQ   233
consensus                                        *     *   **     *  * **   ** !***************!!!*!*!***  ***!*!*!!*!     **
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logo
NTDB id 1384 A4U84 RS08525 WP 010787006.1      LASRLISRIKLLAKLDISELRQPQDGQFSFTTALADTLDFRVSSLPTIYGEKLVLRLQKNKPTSFDFLQLGFNPQQQTTL   244
NTDB id 251058 CRN72 RS03580 WP 096743230.1    LANRLISRLKLLAKLDISETRLPQDGCFQFKTTFSDTLDFRLSTLPTHLGEKAVLRLQRNKPIHLSFAELGMTADQQYRF   248
NTDB id 1366 NTHI RS01950 WP 011271972.1       FANRIISRLKLLAKLDISENRLPQDGRFQFKTTFSDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFAELGMTENQQQAF   249
NTDB id 1355 HI 0298 AAC21962.1                FANRIISRLKLLAKLDISENRLPQDGRFQFKTTFSDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFSELGMTENQQQAF   249
NTDB id 1168 A1552VC RS11070 WP 000957200.1    LSRRLAARIKILSKLDIAERRLPQDGRIKLRLSRDTAIDMRVSTLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQKQLY   309
NTDB id 1293 VP RS12240 WP 005479695.1         LSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQDTAIDMRVSTLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQKQLY   309
NTDB id 1401 DSB67 RS12665 WP 010643259.1      LSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQDTAIDMRVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQKQLY   309
NTDB id 1251 GC085 RS07725 WP 011946523.1      LSSRITARIKVMSNLDISERRIPQDGGFKMKISKSRAIDFRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQRTNF   318
NTDB id 1058 ABD1 RS01615 WP 001274986.1       LANRLASRLKVMSQMDISEKRVPQDGRIKLKLSKSKAIDFRVNSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQKALF   313
NTDB id 1018 ACIAD RS01685 WP 004920473.1      LATRLASRLKVMSQMDISEKRVPQDGRIKLKMSKSKTIDFRVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQKALF   313
consensus                                      ** !* *!*!*****!!*!*!*!!!!* ***** * **!*!****!!**!!!*!*!***   * * ** !!****!****

logo
NTDB id 1384 A4U84 RS08525 WP 010787006.1      LNALKQPQGLILVTGPTGSGKSITLYSALNYLNQMDKHILTAEDPVEIEIDGLIQTQVNRSIQLDFSQLLRTFLRQDPDI   324
NTDB id 251058 CRN72 RS03580 WP 096743230.1    QHALSQPQGLILVTGPTGSGKSISLYSALAWLNSVEKHILTAEDPIEIALSGIIQTQVNTQIGLDFKRLLRTFLRQDPDV   328
NTDB id 1366 NTHI RS01950 WP 011271972.1       QRSLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIMTAEDPIEIELDGIIQSQINPQIGLDFSRLLRAFLRQDPDI   329
NTDB id 1355 HI 0298 AAC21962.1                QRVLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIMTAEDPIEIELDGIIQSQINPQIGLDFNRLLRTFLRQDPDI   329
NTDB id 1168 A1552VC RS11070 WP 000957200.1    LNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDV   389
NTDB id 1293 VP RS12240 WP 005479695.1         LEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDV   389
NTDB id 1401 DSB67 RS12665 WP 010643259.1      LDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDV   389
NTDB id 1251 GC085 RS07725 WP 011946523.1      LKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEDPVEIKVPGINQVNINPKAGLTFSGALRSFLRQDPDI   398
NTDB id 1058 ABD1 RS01615 WP 001274986.1       MEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQDPDI   393
NTDB id 1018 ACIAD RS01685 WP 004920473.1      MEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANISTAEDPVEINLEGVNQVNVNPKVGLTFAAALRSFLRQDPDI   393
consensus                                      * ** *!!!**!*!!!!!!!!***!!**!**!!* * *!*!!!!!*!! **!**!********* !* *!**!!!!!!!*

logo
NTDB id 1384 A4U84 RS08525 WP 010787006.1      IMLGEIRDEESAKMALRASQTGHLVLSTLHTNDALSAVERLLQLGIQEYEIQNSLLLVIAQRLVRKLCKKCRGVG.....   399
NTDB id 251058 CRN72 RS03580 WP 096743230.1    IMLGEIRDEESALIALRAAQTGHLVLSTLHTNDAPSALTRLQQLGVPLHEIEQSLLLVVAQRLLRRRCCDCSVET.....   403
NTDB id 1366 NTHI RS01950 WP 011271972.1       IMLGEIRDEESARIALRAAQTGHLVLSTLHTNDAISAISRLQQLGIQQHEIENSLLLVIAQRLVRKICPKCGGNL.....   404
NTDB id 1355 HI 0298 AAC21962.1                IMLGEIRDEESAMIALRAAQTGHLVLSTLHTNDAISAISRLQQLGIQQYEIKNSLLLVIAQRLVRKLCSKCGGNL.....   404
NTDB id 1168 A1552VC RS11070 WP 000957200.1    VMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIRLANMGVEPFNLASSLSLIIAQRLARRLCKHCKIAVRP.SA   468
NTDB id 1293 VP RS12240 WP 005479695.1         VMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCKQPQEH.TV   468
NTDB id 1401 DSB67 RS12665 WP 010643259.1      VMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQEP.NS   468
NTDB id 1251 GC085 RS07725 WP 011946523.1      IMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLNRLVNMGIPTFNIASSVTLIIAQRLARKLCNQCKAVRDDFTN   478
NTDB id 1058 ABD1 RS01615 WP 001274986.1       IMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLTRLRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIPA.DIPK   472
NTDB id 1018 ACIAD RS01685 WP 004920473.1      IMVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLTRLRNMGVASFNIATSVNLVIAQRLARRLCSQCKRPI.QVPE   472
consensus                                      *!*!!!!!***!**!**!*!!!!*!*!!!!!!*!*****!! **!* ******!* !**!!!!*!**!   !*
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1     ........................CDECYQGYRGRIGVYQCLSRTAKK............FDKQTAYLDFSSLRESAKQ   442
NTDB id 251058 CRN72 RS03580 WP 096743230.1   .......................QSACRCYQGYKGRIGVYQFLQKDKT................GCFVTDFSSLRESAKE   444
NTDB id 1366 NTHI RS01950 WP 011271972.1      .......................INSCDCHQGYRGRIGVYQFLHWQQN................G.YQTDFENLRESGLE   444
NTDB id 1355 HI 0298 AAC21962.1               .......................ANSCDCHQGYRGRIGVYQFLHWQQN................D.YQTDFKNLRASGLE   444
NTDB id 1168 A1552VC RS11070 WP 000957200.1   LLQSQFAFQPNEI....LYEANAAGCNECTGGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAKANGMQTLQESGLE   544
NTDB id 1293 VP RS12240 WP 005479695.1        QL.QHLGIQTTDN....IFRANPDGCNECTHGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAIANGMSTLQMSGIE   543
NTDB id 1401 DSB67 RS12665 WP 010643259.1     QL.QHIGIANTEQ....IFQANPDGCNECTHGYSGRTGIYEVMKFDESLSEALIKGASVHELEKLAIANGMQTLQMSGIE   543
NTDB id 1251 GC085 RS07725 WP 011946523.1     QGLIELGFKEADLV..NLKLYKAVGCEQCTSGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQSEGMLTIFQSGIE   556
NTDB id 1058 ABD1 RS01615 WP 001274986.1      QSLLEMGFTEQDLAHPDFRVFQPVGCLECREGYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASEKLGFNNLRRSGLK   552
NTDB id 1018 ACIAD RS01685 WP 004920473.1     RSLLEMGFTPEDLAQPEFQIFEPVGCHDCREGYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAETLGFNNLRRSGLK   552
consensus                                          **    *            ** *!   !!*!!*!***** *   *   **  *   ** * *   ** *** !***

logo

NTDB id 1384 A4U84 RS08525 WP 010787006.1     KIEQQLTNETEVDRVLGYE.   461
NTDB id 251058 CRN72 RS03580 WP 096743230.1   KVRLGMTDDNEVQRVLGE..   462
NTDB id 1366 NTHI RS01950 WP 011271972.1      KVSQGITDEKEIERVLGKNS   464
NTDB id 1355 HI 0298 AAC21962.1               KVSQGITDEKEIERVLGKNL   464
NTDB id 1168 A1552VC RS11070 WP 000957200.1   KLREGITSFAELQRVLYF..   562
NTDB id 1293 VP RS12240 WP 005479695.1        KLKQGITSFSELQRVLYF..   561
NTDB id 1401 DSB67 RS12665 WP 010643259.1     KLKQGITSFRELQRVLYF..   561
NTDB id 1251 GC085 RS07725 WP 011946523.1     KVKEGITTIEEVNRVTVD..   574
NTDB id 1058 ABD1 RS01615 WP 001274986.1      KVMQGVTSLQEVNRVTSE..   570
NTDB id 1018 ACIAD RS01685 WP 004920473.1     KVMQGVTSLQEINRVTSE..   570
consensus                                     !*****!*   !**!!*
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X non conserved

X similar

X ≥ 50% conserved