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logo
NTDB id 103522 QUF19 RS14235 WP 286294726.1  ........MLTNLPTVLRQANLLSLAQEQAVAEHVHASGVSTPEALLALDIFTSESLAHNIQAIFGLPPVQLANTDYEVL   72
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ........MLTNLVAILRQAELISATQEQAVVTQVSASGTSVPEALLELSIFHAQELTEQLSHIFGLPETDLSRYDYANL   72
NTDB id 1401 DSB67 RS12665 WP 010643259.1    ........MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLSCTSLNQYEYASL   72
NTDB id 1293 VP RS12240 WP 005479695.1       ........MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLSSGFFTSSELAEHLSSIFGLSQPELSQYEYASL   72
NTDB id 1110 NGFG RS09235 WP 003689817.1     ........MSVGLLRILVQNQVVTVEQAEHYY.NESQAGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRHYPRHRV   71
NTDB id 1251 GC085 RS07725 WP 011946523.1   MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAQNFGVPMLDINCIDVGTI   80
NTDB id 1058 ABD1 RS01615 WP 001274986.1    MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAEFAEPYFDLDVYDTSQI   80
NTDB id 1018 ACIAD RS01685 WP 004920473.1   MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEIISLEFGEPLLDLGVFDPALF   80
consensus                                          * * *  *! *  ***  *   ***   * * **   **     *   *** ** *!***  **  ** * *

logo
NTDB id 103522 QUF19 RS14235 WP 286294726.1  CDQLGLRELITKYHAIPISVSSSTLTLASADPTDLQAEDDFRFATGLQIELVVANYSELEGAIRKLYGRSISGQDSKRKE  152
NTDB id 1168 A1552VC RS11070 WP 000957200.1  CQQLGLRELITRYDALPIAKQGNLLLLAVSDPTLLQAEEEFRFATGLQVELALADHRALQAAIRRLYGRSIQGAANQGKE  152
NTDB id 1401 DSB67 RS12665 WP 010643259.1    CQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATGLQVELVLADFRELTAAIRRLYGRSLGQEKSGLKE  152
NTDB id 1293 VP RS12240 WP 005479695.1       CQQLGLRELITRHNALPLHRTPSTLLLAVADPTNQQAEDDFRFATGLQVELVLADFRELSTAIRRLYGRSLSHEKSGLKE  152
NTDB id 1110 NGFG RS09235 WP 003689817.1     LMGVLTEEQMVEFHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAGIAVELVIVEDDQLAGLLDWVGSRSTSL..LQEL.  148
NTDB id 1251 GC085 RS07725 WP 011946523.1   PVNLVNEKLIKRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSEYVE  160
NTDB id 1058 ABD1 RS01615 WP 001274986.1    PKDLVDQKLILKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSKLLVEPVIVEHHKLEKVLGQHFAEESSFDFNDE..  158
NTDB id 1018 ACIAD RS01685 WP 004920473.1   LKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSKLKVEPIIVEHDKLERLLSEHFVEETHFNFDTE..  158
consensus                                      *   *** *   *!*   *  * *!  *!*** * ** ************ *   ! * *  ***** *       *

logo
NTDB id 103522 QUF19 RS14235 WP 286294726.1  ITQD..ELANLVEVSDDEMTSIEDLSQDDSPVSRFINQILVDAVRKGASDIHFEPYEERFRVRLRCDGILVEIQQPASHL  230
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ISQD..ELANLVKVSDDELQSIEDLSQDDSPVSRFINQVLLDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQPASHL  230
NTDB id 1401 DSB67 RS12665 WP 010643259.1    INQD..ELAGLVDIGEDEIENIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCDGILIEIQQPPSHL  230
NTDB id 1293 VP RS12240 WP 005479695.1       INQE..ELASLVDVGADEIDNIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYEKMYRVRLRCDGILIETQQPPNHL  230
NTDB id 1110 NGFG RS09235 WP 003689817.1     ........GEGQEEEESHTLYIDNEEAEDGPVPRFIHKTLSDALRSGASDIHFEFYEHNARIRFRVDGQLREVVQPPIAV  220
NTDB id 1251 GC085 RS07725 WP 011946523.1   DSGDLEGLEISAD.DEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEPYEREYRIRYRQDGILHEVATPPASL  239
NTDB id 1058 ABD1 RS01615 WP 001274986.1    .EFD...LDVNLDGPTAQEDEEEAPQGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQIANPPLQL  234
NTDB id 1018 ACIAD RS01685 WP 004920473.1   .ELD...LDVEVDPHTTDDDDEDDKLKDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIATPPLQL  234
consensus                                      *   **  **  ***   ***   ** !* **** *!*!!*! *!!!*!!!*!!  *!*! ! !!*! ** *!*  *

logo
NTDB id 103522 QUF19 RS14235 WP 286294726.1  SRRLSARLKILAKLDIAERRLPQDGRIKLRLND.ELAIDMRVSTLPTLWGEKIVLRLLDSSAANLDIDKLGYSEDQKALY  309
NTDB id 1168 A1552VC RS11070 WP 000957200.1  SRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRVSTLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQKQLY  309
NTDB id 1401 DSB67 RS12665 WP 010643259.1    SRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQKQLY  309
NTDB id 1293 VP RS12240 WP 005479695.1       SRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQKQLY  309
NTDB id 1110 NGFG RS09235 WP 003689817.1     RGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVDFRVSTLPTLFGEKVVMRILNSDAASLNIDQLGFEPFQKKLL  300
NTDB id 1251 GC085 RS07725 WP 011946523.1   SSRITARIKVMSNLDISERRIPQDGGFKMKISK.SRAIDFRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQRTNF  318
NTDB id 1058 ABD1 RS01615 WP 001274986.1    ANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAIDFRVNSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQKALF  313
NTDB id 1018 ACIAD RS01685 WP 004920473.1   ATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTIDFRVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQKALF  313
consensus                                   * ** *!*!*****!! !*!*!!!!****** *   **! !!***!!**!!!*!*!*!*** ! ! !* !!*   !* **
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logo

NTDB id 103522 QUF19 RS14235 WP 286294726.1   LNALKRPQGMILMTGPTGSGKTVSLYTGLRVLNTTERNISTAEDPVEINLCGINQVQVAPKIGFGFAEALRSFLRQDPDV   389
NTDB id 1168 A1552VC RS11070 WP 000957200.1   LNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDV   389
NTDB id 1401 DSB67 RS12665 WP 010643259.1     LDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDV   389
NTDB id 1293 VP RS12240 WP 005479695.1        LEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDV   389
NTDB id 1110 NGFG RS09235 WP 003689817.1      LEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIATAEDPAEINLPGINQVNVNDKQGLTFAAALKSFLRQDPDI   380
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                                     **!* *!*!!*!*!!!!!!!!!!*!!!*!**!!*  *!!*!!!!!*!!** !*!!!****!*!  !* !!*!!!!!!!!*

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NTDB id 103522 QUF19 RS14235 WP 286294726.1   VMVGEIRDLETAEIAIKASQTGHLVLSTLHTNSAAETVTRLAHMGIEPFNLASSLSLIIAQRLARRLCNHCKAAD.DSPD   468
NTDB id 1168 A1552VC RS11070 WP 000957200.1   VMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIRLANMGVEPFNLASSLSLIIAQRLARRLCKHCKIAV.RPSA   468
NTDB id 1401 DSB67 RS12665 WP 010643259.1     VMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQ.EPNS   468
NTDB id 1293 VP RS12240 WP 005479695.1        VMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCKQPQ.EHTV   468
NTDB id 1110 NGFG RS09235 WP 003689817.1      IMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLSRMLNMGVAPFNIASSVSLIMAQRLLRRLCSSCKQEVERPSA   460
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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NTDB id 103522 QUF19 RS14235 WP 286294726.1   IFL.RHSIPNSQTI....YKANPQGCNECN.QGYSGRVGIYEVMPFSDQLKNSLIDKPNALAIENLARREGMRTLQESGL   542
NTDB id 1168 A1552VC RS11070 WP 000957200.1   LLQSQFAFQPNEIL....YEANAAGCNECT.GGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAKANGMQTLQESGL   543
NTDB id 1401 DSB67 RS12665 WP 010643259.1     QLQH.IGIANTEQI....FQANPDGCNECT.HGYSGRTGIYEVMKFDESLSEALIKGASVHELEKLAIANGMQTLQMSGI   542
NTDB id 1293 VP RS12240 WP 005479695.1        QLQH.LGIQTTDNI....FRANPDGCNECT.HGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAIANGMSTLQMSGI   542
NTDB id 1110 NGFG RS09235 WP 003689817.1      SALKEVGFTDEDLAK.DWKLYRAVGCDRCRGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVAYKEGMVDLRRAGI   539
NTDB id 1251 GC085 RS07725 WP 011946523.1     QGLIELGFKEADLV..NLKLYKAVGCEQCT.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQSEGMLTIFQSGI   555
NTDB id 1058 ABD1 RS01615 WP 001274986.1      QSLLEMGFTEQDLAHPDFRVFQPVGCLECR.EGYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASEKLGFNNLRRSGL   551
NTDB id 1018 ACIAD RS01685 WP 004920473.1     RSLLEMGFTPEDLAQPEFQIFEPVGCHDCR.EGYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAETLGFNNLRRSGL   551
consensus                                       *  ***   ***       ** !! *!   !! !!*!**!!*  * **   **  *  ***  **   !* **  *!*

logo

NTDB id 103522 QUF19 RS14235 WP 286294726.1   DKLLEGTTSYQELQRVLYL   561
NTDB id 1168 A1552VC RS11070 WP 000957200.1   EKLREGITSFAELQRVLYF   562
NTDB id 1401 DSB67 RS12665 WP 010643259.1     EKLKQGITSFRELQRVLYF   561
NTDB id 1293 VP RS12240 WP 005479695.1        EKLKQGITSFSELQRVLYF   561
NTDB id 1110 NGFG RS09235 WP 003689817.1      LKIMQGITSLEEVTANTND   558
NTDB id 1251 GC085 RS07725 WP 011946523.1     EKVKEGITTIEEVNRVTVD   574
NTDB id 1058 ABD1 RS01615 WP 001274986.1      KKVMQGVTSLQEVNRVTSE   570
NTDB id 1018 ACIAD RS01685 WP 004920473.1     KKVMQGVTSLQEINRVTSE   570
consensus                                     *!* *!*!*  !****
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X non conserved
X similar
X $\geq$ 50% conserved