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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     ........MSVGLLRILVQNQVVTVEQAEHYYNE.SQAGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRHYPRHRV   71
NTDB id 1251 GCO85 RS07725 WP 011946523.1    MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAQNFGVPMLDINCIDVGTI   80
NTDB id 93724 AK823 RS00375 WP 068325362.1   ..MSTTTSTFGGLAQQLTNAGIVSEAHMKTAQTESQQQQISLVSYLVDHNMANAYQLALLMSQSFGDPFFDLSVLSNDVI   78
NTDB id 1058 ABD1 RS01615 WP 001274986.1     MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAEFAEPYFDLDVYDTSQI   80
NTDB id 1018 ACIAD RS01685 WP 004920473.1    MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEIISLEFGEPLLDLGVFDPALF   80
consensus                                       ***  *! *  ***  *     *          ***  **      *   *** **  !* *  **  ** * *
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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     LMGVLTEEQMVEFHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAGIAVELVIVEDDQLAGLLDWVGSRSTSLLQ.ELG.  149
NTDB id 1251 GCO85 RS07725 WP 011946523.1    PVNLVNEKLIKRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSEYVE  160
NTDB id 93724 AK823 RS00375 WP 068325362.1   PKDLVDEKIVRKFNALPIFKRGQRVFVALSDPTRIDAIDAIAFNSRLSVETVVVEEDKLKKRIDSVYADTMQSFG...NF  155
NTDB id 1058 ABD1 RS01615 WP 001274986.1     PKDLVDQKLILKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSKLLVEPVIVEHHKLEKVLGQHFAEESSFDF...ND  157
NTDB id 1018 ACIAD RS01685 WP 004920473.1    LKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSKLKVEPIIVEHDKLERLLSEHFVEETHFNF...DT  157
consensus                                       **    ** *   *!* ***  ***!***!*** ***  ** *** ** **** !  *  *** *         *
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NTDB id 1168 A1552VC RS11070 WP 000957200.1  ISQD.ELANLVKVSDDELQSIEDLSQDDSPVSRFINQVLLDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQPASHLS  231
NTDB id 1401 DSB67 RS12665 WP 010643259.1    INQD.ELAGLVDIGEDEIENIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCDGILIEIQQPPSHLS  231
NTDB id 1293 VP RS12240 WP 005479695.1       INQE.ELASLVDVGADEIDNIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYEKMYRVRLRCDGILIETQQPPNHLS  231
NTDB id 1110 NGFG RS09235 WP 003689817.1     .EGQ.......EEEESHTLYIDNEEAEDGPVPRFIHKTLSDALRSGASDIHFEFYEHNARIRFRVDGQLREVVQPPIAVR  221
NTDB id 1251 GCO85 RS07725 WP 011946523.1    DSGDLEGLEISADDEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEPYERFYRIRYRQDGILHEVATPPASLS  240
NTDB id 93724 AK823 RS00375 WP 068325362.1   ADGDLN.VGFEDTEEDDSETTLTDSIDEAPVVKFVNKMLVDAIRMGASDLHFEPYEKSYRVRFRVDGVMEKMANPPVQLA  234
NTDB id 1058 ABD1 RS01615 WP 001274986.1     EEFDLD.VNLDGPTAQE.DEEEAPQGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQIANPPLQLA  235
NTDB id 1018 ACIAD RS01685 WP 004920473.1    EELDLD.VEVDPHTTDD.DDEDDKLKDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIATPPLQLA  235
consensus                                       * *   *    *** * *   *    ***!* ******!*!!*! *!!!*!!!*!!* *!*!*! !!** ** *!*  *
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NTDB id 1168 A1552VC RS11070 WP 000957200.1  RRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRVSTLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQKQLYL  310
NTDB id 1401 DSB67 RS12665 WP 010643259.1    RRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQKQLYL  310
NTDB id 1293 VP RS12240 WP 005479695.1       RRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQKQLYL  310
NTDB id 1110 NGFG RS09235 WP 003689817.1     GQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVDFRVSTLPTLFGEKVVMRILNSDAASLNIDQLGFEPFQKKLLL  301
NTDB id 1251 GCO85 RS07725 WP 011946523.1    SRITARIKVMSNLDISERRIPQDGFKMKISK.SRAIDFRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGRNPVQRTNFL  319
NTDB id 93724 AK823 RS00375 WP 068325362.1   GKIAARLKVMSQMDISERRVPQDGRIKLKLSK.NKAIDFRVNSLPTLFGEKVVLRILDPSAAMLGIDALGYEPDQKEMFL  313
NTDB id 1058 ABD1 RS01615 WP 001274986.1     NRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAIDFRVNSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQKALFM  314
NTDB id 1018 ACIAD RS01685 WP 004920473.1    TRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTIDFRVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQKALFM  314
consensus                                     ****!*!**!  *!!*!*!*!!!!*********   ***!*!!***!!**!!!*!*!*!*** !  !  !* !!* *  !*  ***
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NTDB id 1168 A1552VC RS11070 WP 000957200.1  NALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVV  390
NTDB id 1401 DSB67 RS12665 WP 010643259.1    DALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDVV  390
NTDB id 1293 VP RS12240 WP 005479695.1       EALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVV  390
NTDB id 1110 NGFG RS09235 WP 003689817.1     EAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIATAEDPAEINLPGINQVNVNDKQGLTFAAALKSFLRQDPDII  381
NTDB id 1251 GCO85 RS07725 WP 011946523.1    KAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEDPVEIKVPGINQVNINPKAGLTFSGALRSFLRQDPDII  399
NTDB id 93724 AK823 RS00375 WP 068325362.1   EALHKPQGMLLITGPTGSGKTVSLYTGINILNTGATNISTAEDPVEINLEGINQVNVNAKVGLTFSNALKSFLRQDPDIV  393
NTDB id 1058 ABD1 RS01615 WP 001274986.1     EALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQDPDII  394
NTDB id 1018 ACIAD RS01685 WP 004920473.1    EALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANISTAEDPVEINLEGVNQVNVNPKVGLTFAAALRSFLRQDPDII  394
consensus                                    *!* *!*!!*!*!!!!!!!!!!*!!!***!!!*  *!!*!!!!!*!!** !*!!!*****!*!**!* !!*!!!!!!!!**
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NTDB id 1168 A1552VC RS11070 WP 000957200.1  MVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIRLANMGVEPFNLASSLSLIIAQRLARRLCKHCKIAV.RPSAL  469
NTDB id 1401 DSB67 RS12665 WP 010643259.1    MVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQ.EPNSQ  469
NTDB id 1293 VP RS12240 WP 005479695.1       MVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCKQPQ.EHTVQ  469
NTDB id 1110 NGFG RS09235 WP 003689817.1     MVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLSRMLNMGVAPFNIASSVSLIMAQRLLRRLCSSCKQEVERPSAS  461
NTDB id 1251 GCO85 RS07725 WP 011946523.1    MVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLNRLVNMGIPTFNIASSVTLIIAQRLARKLCNQCKAVRDDFTNQ  479
NTDB id 93724 AK823 RS00375 WP 068325362.1   MVGEIRDLETAEIAIKAAQTGHMVLSTLHTNSAPETLTRLRNMGVASFNIATSVNLVIAQRLARRLCKNCKTVL.DVPRQ  472
NTDB id 1058 ABD1 RS01615 WP 001274986.1     MVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLTRLRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIPA.DIPKQ  473
NTDB id 1018 ACIAD RS01685 WP 004920473.1    MVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLTRLRNMGVASFNIATSVNLVIAQRLARRLCSQCKRPI.QVPER  473
consensus                                    !!!!!!!!!*!!*!!*!!*!!!!!*!*!!!!!!*!**!*  !*  !!!*  *!!*!*!**!**!!!!*!*!!   !*     *   *
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NTDB id 1168 A1552VC RS11070 WP 000957200.1  LQSQFAFQPNEIL....YEANAAGCNECT.GGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAKANGMQTLQESGLE  544
NTDB id 1401 DSB67 RS12665 WP 010643259.1    LQH.IGIANTEQI....FQANPDGCNECT.HGYSGRTGIYEVMKFDESLSEALIKGASVHELEKLAIANGMQTLQMSGIE  543
NTDB id 1293 VP RS12240 WP 005479695.1       LQH.LGIQTTDNI....FRANPDGCNECT.HGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAIANGMSTLQMSGIE  543
NTDB id 1110 NGFG RS09235 WP 003689817.1     ALKEVGFTDEDLAK.DWKLYRAVGCDRCRGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVAYKEGMVDLRRAGIL  540
NTDB id 1251 GCO85 RS07725 WP 011946523.1    GLIELGFKEADLV..NLKLYKAVGCEQCT.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQSEGMLTIFQSGIE  556
NTDB id 93724 AK823 RS00375 WP 068325362.1   SLLEVGFTDDDLDDPNSTIYEPVGCSECR.EGYKGRVGIYEVMKVSPDISRIIMEDGNAIDIKDAAVKNGFRDLRRSGIL  551
NTDB id 1058 ABD1 RS01615 WP 001274986.1     SLLEMGFTEQDLAHPDFRVFQPVGCLECR.EGYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASEKLGFNNLRRSGLK  552
NTDB id 1018 ACIAD RS01685 WP 004920473.1    SLLEMGFTPEDLAQPEFQIFEPVGCHDCR.EGYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAETLGFNNLRRSGLK  552
consensus                                     * *****   **       ** **!! *!   !!*!!*!**!!**** *** *** *  ***  **   !*  *  *!*
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NTDB id 1168 A1552VC RS11070 WP 000957200.1  KLREGITSFAELQRVLYF  562
NTDB id 1401 DSB67 RS12665 WP 010643259.1    KLKQGITSFRELQRVLYF  561
NTDB id 1293 VP RS12240 WP 005479695.1       KLKQGITSFSELQRVLYF  561
NTDB id 1110 NGFG RS09235 WP 003689817.1     KIMQGITSLEEVTANTND  558
NTDB id 1251 GCO85 RS07725 WP 011946523.1    KVKEGITTIEEVNRVTVD  574
NTDB id 93724 AK823 RS00375 WP 068325362.1   KVLQGVTSIQEMMRVTSE  569
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 $\geq$ 50% conserved