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logo

NTDB id 1306 DR RS10060 WP 027479822.1        MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAALR   80
NTDB id 1110 NGFG RS09235 WP 003689817.1      ................................................................................    0
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ................................................................................    0
NTDB id 1293 VP RS12240 WP 005479695.1        ................................................................................    0
NTDB id 1401 DSB67 RS12665 WP 010643259.1     ................................................................................    0
NTDB id 1251 GC085 RS07725 WP 011946523.1     ................................................................................    0
NTDB id 1086338 ACK3BE RS27025 WP 083375734.1 ................................................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ................................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ................................................................................    0
consensus

logo

NTDB id 1306 DR RS10060 WP 027479822.1        SIRPQTALNLQAFPFALEGDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGASDA  160
NTDB id 1110 NGFG RS09235 WP 003689817.1      ................................................................................    0
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ................................................................................    0
NTDB id 1293 VP RS12240 WP 005479695.1        ................................................................................    0
NTDB id 1401 DSB67 RS12665 WP 010643259.1     ................................................................................    0
NTDB id 1251 GC085 RS07725 WP 011946523.1     ................................................................................    0
NTDB id 1086338 ACK3BE RS27025 WP 083375734.1 ................................................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ................................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ................................................................................    0
consensus

logo

NTDB id 1306 DR RS10060 WP 027479822.1        GRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVLGSM  240
NTDB id 1110 NGFG RS09235 WP 003689817.1      ................................................................................    0
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ................................................................................    0
NTDB id 1293 VP RS12240 WP 005479695.1        ................................................................................    0
NTDB id 1401 DSB67 RS12665 WP 010643259.1     ................................................................................    0
NTDB id 1251 GC085 RS07725 WP 011946523.1     ................................................................................    0
NTDB id 1086338 ACK3BE RS27025 WP 083375734.1 ................................................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ................................................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ................................................................................    0
consensus

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NTDB id 1306 DR RS10060 WP 027479822.1        LRADALRLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQRGRLGEQLVQEGTLSRDQL  320
NTDB id 1110 NGFG RS09235 WP 003689817.1      ............................................................MSVGLLRILVQNQVV.....   15
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ............................................................MLTNLVAILRQAELI.....   15
NTDB id 1293 VP RS12240 WP 005479695.1        ............................................................MHSNLSTILRQKGLL.....   15
NTDB id 1401 DSB67 RS12665 WP 010643259.1     ............................................................MLTNLSTVLRQAGIL.....   15
NTDB id 1251 GC085 RS07725 WP 011946523.1     ..................................................MA..LATEEYRLQGIGQLLVLEKLL.....   23
NTDB id 1086338 ACK3BE RS27025 WP 083375734.1 ........................................................MNDIALSGLAKQLVMAELL.....   19
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ..................................................MS..ALHTSPKFTGFFRRLVEEKHV.....   23
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ..................................................MS..AFTTPPKFSGFIRRLVEEGYV.....   23
consensus                                                                                   ***  *!**  **
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NTDB id 1306 DR RS10060 WP 027479822.1          REALQVQARECGKVKPLGEVITELGFASPDEVDSALQKQNVGGGRLEDTLVQSGKLSPEMLARSLAAQLGYEFLDPIQNPP  400
NTDB id 1110 NGFG RS09235 WP 003689817.1        ..........................TVEQAEHYYNESQ.AGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRHYPR   68
NTDB id 1168 A1552VC RS11070 WP 000957200.1     ..........................SATQEQAVVTQVSASGTSVPEALLELSIFHAQELTEQLSHIFGLLPETDLSRYDY   69
NTDB id 1293 VP RS12240 WP 005479695.1          ..........................TFSQEESLIEQVKASGISMPEALLSSGFFTSSELAEHLSSIFGLLSQPELSQYEY   69
NTDB id 1401 DSB67 RS12665 WP 010643259.1       ..........................TFSQEESLLEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLLSCTSLNQYEY   69
NTDB id 1251 GCO85 RS07725 WP 011946523.1       ..........................DKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAQNFGVPMLDINCIDV   77
NTDB id 1086338 ACK3BE RS27025 WP 083375734.1   ..........................TEQSAQQAYLHAQRSKISLVSYLVQNKLVKSRQVAEIASEHFGMALLDLNCLDK   73
NTDB id 1058 ABD1 RS01615 WP 001274986.1        ..........................SAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAEFAEPYFDLDVYDT   77
NTDB id 1018 ACIAD RS01685 WP 004920473.1       ..........................NAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEIISLEFGEPLLDLGVFDP   77
consensus                                                                  * *  *     * ***  **   **   *** **  ***  ***  **
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NTDB id 1306 DR RS10060 WP 027479822.1          DPKVALMIPEATARRYVVVPVRLQGNSLVVAMKDPRNVFALDDLKLITGKEILPAVMAEKDIIRLIERYFGEKGFEKLNK  480
NTDB id 1110 NGFG RS09235 WP 003689817.1        HRVLMGVLTEEQMVEFHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAGIAVELVIVEDDQLAGLLDWVGSRSTSLLQEL  148
NTDB id 1168 A1552VC RS11070 WP 000957200.1     ANLCQQLGLRELITRYDALPIAKQGNLLLLAVSDPTLLQAEEEFRFATGLQVELALADHRALQAAIRRLYGRSIQGAANQ  149
NTDB id 1293 VP RS12240 WP 005479695.1          ASLCQQLGLRELITRHNALPLHRTPSTLLLAVADPTNQQAEDDFRFATGLQVELVLADFRELSTAIRRLYGRSLSHEKSG  149
NTDB id 1401 DSB67 RS12665 WP 010643259.1       ASLCQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATGLQVELVLADFRELTAAIRRLYGRSLGQEKSG  149
NTDB id 1251 GCO85 RS07725 WP 011946523.1       GTIPVNLVNEKLIKRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSE  157
NTDB id 1086338 ACK3BE RS27025 WP 083375734.1   EAQPRGLVSEKLIRQHHALPLWRRGNKLFVGVSDPTNHQAINDIQFSTGLNTEAILVEDDKLGDAIEKFFDNQATGLED.  152
NTDB id 1058 ABD1 RS01615 WP 001274986.1        SQIPKDLVDQKLILKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSKLLVEPVIVEHHKLEKVLGQHFAEESSFDFN.  156
NTDB id 1018 ACIAD RS01685 WP 004920473.1       ALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSKLKVEPIIVEHDKLERLLSEHFVEETHFNFD.  156
consensus                                       * *   ** * **  **  *!* ***  *******!*** ******* ****** ****   *  ** ****   *
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NTDB id 1306 DR RS10060 WP 027479822.1          ......ELAE.....RNKTQQSQEADLSVADESAIVQVVDSIIREAALQDASDIHIETTEDAVKVRYRIDGALREQNSFP  549
NTDB id 1110 NGFG RS09235 WP 003689817.1        ..........GEGQEEEESHTLYIDNEEAAEDGPVPRFIHKTLSDALRSGASDIHFEFYEHNARIRFRVDGQLREVVQPP  217
NTDB id 1168 A1552VC RS11070 WP 000957200.1     GKEISQD..ELANLVKVSDDELQSIEDLSQDDSPVSRFINQVLLDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQPA  227
NTDB id 1293 VP RS12240 WP 005479695.1          LKEINQE..ELASLVDVGADEIDNIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYEKMYRVRLRCDGILIETQQPP  227
NTDB id 1401 DSB67 RS12665 WP 010643259.1       LKEINQD..ELAGLVDIGEDEIENIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCDGILIETQQPP  227
NTDB id 1251 GCO85 RS07725 WP 011946523.1       YVEDSGDLEG.LEISADDEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEPYEREYRIRYRQDGILHEVATPP  236
NTDB id 1086338 ACK3BE RS27025 WP 083375734.1   ..MADVDLDG.LDIESVDDNKKDAIAGQDADDAPVVRFVHKMLLDAIKSGSSDLHFEPYEKTYRVRMRTDGMLREVAKPP  229
NTDB id 1058 ABD1 RS01615 WP 001274986.1        ..DEEFDLDVNLDGPTA...QEDEEEAPQGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQIANPP  231
NTDB id 1018 ACIAD RS01685 WP 004920473.1       ..TEELDLDVEVDPHTT...DDDDEDDKLKDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIATPP  231
consensus                                         *   **    **    *  * **    **************!** **!!*!*!**!* ***!*!  !!*!*** ***
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NTDB id 1306 DR RS10060 WP 027479822.1          KGAAQQIMARLKIMGHLDIAERRVPQDGRVRF..KKGGSIDLDLRLSTLPTVYGEKAVMRLLQKASNIPELEQLGFSEYNY  627
NTDB id 1110 NGFG RS09235 WP 003689817.1        IAVRGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVDFRVSTLPTLFGEKVVMRILNSDAASLNIDQLGFEPFQK  297
NTDB id 1168 A1552VC RS11070 WP 000957200.1     SHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRVSTLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQK  306
NTDB id 1293 VP RS12240 WP 005479695.1          NHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQK  306
NTDB id 1401 DSB67 RS12665 WP 010643259.1       SHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQK  306
NTDB id 1251 GCO85 RS07725 WP 011946523.1       ASLSSRITARIKVMSNLDISERRIPQDGGFKMKISK.SRAIDFRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQR  315
NTDB id 1086338 ACK3BE RS27025 WP 083375734.1   SQLANRIAARLKVMASLDISERRKPQDGRIKMRLSK.TKSIDFRVNTLPTLWGEKVVIRILDPSSAQMGIDALGYEPEQK  308
NTDB id 1058 ABD1 RS01615 WP 001274986.1        LQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAIDFRVNSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQK  310
NTDB id 1018 ACIAD RS01685 WP 004920473.1       LQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTIDFRVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQK  310
consensus                                         *  ****!*!*** *!!*!*!*!!!!********* ****!*!****!!**!!!*!*!*!***** * ** !!* * **
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NTDB id 1306 DR RS10060 WP 027479822.1          ARYTEIIERPNGIFLVTGPTGSGKSFTCFSTLKRIAKPEKNTTTIEDPIEYEVPGIVQSQVNNSTGMTFARALRAFLRQD  707
NTDB id 1110 NGFG RS09235 WP 003689817.1        KLLLEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIATAEDPAEINLPGINQVNVNDKQGLTFAAALKSFLRQD  377
NTDB id 1168 A1552VC RS11070 WP 000957200.1     QLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQD  386
NTDB id 1293 VP RS12240 WP 005479695.1          QLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQD  386
NTDB id 1401 DSB67 RS12665 WP 010643259.1       QLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQD  386
NTDB id 1251 GCO85 RS07725 WP 011946523.1       TNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEDPVEIKVPGINQVNINPKAGLTFSGALRSFLRQD  395
NTDB id 1086338 ACK3BE RS27025 WP 083375734.1   ALYMAALKQPQGMILVTGPTGSGKTVSLYTGLNILNTVDINISTAEDPVEINMEGINQVNVNPKQGLDFAQALRSFLRQD  388
NTDB id 1058 ABD1 RS01615 WP 001274986.1        ALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQD  390
NTDB id 1018 ACIAD RS01685 WP 004920473.1       ALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANISTAEDPVEINLEGVNQVNVNPKVGLTFAAALRSFLRQD  390
consensus                                        ****** *!*!**!*!!!!!!!!*******!***** **!**!*!!!*!*** !**!*******!**!* !!**!!!!!
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NTDB id 1306 DR RS10060 WP 027479822.1          PDIIFVGEIRDQETAKIAVEAALTGHMVLATLHTNDAPGAVTRLEEMGIENFNISAAVMGVLAQRLVRRVCSECKQPTNA  787
NTDB id 1110 NGFG RS09235 WP 003689817.1        PDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLSRMLNMGVAPFNIASSVSLIMAQRLLRRLCSSCKQEVER  457
NTDB id 1168 A1552VC RS11070 WP 000957200.1     PDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIRLANMGVEPFNLASSLSLIIAQRLARRLCKHCKIAVRP  466
NTDB id 1293 VP RS12240 WP 005479695.1          PDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCKQPQEH  466
NTDB id 1401 DSB67 RS12665 WP 010643259.1       PDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQEP  466
NTDB id 1251 GCO85 RS07725 WP 011946523.1       PDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLNRLVNMGIPTFNIASSVTLIIAQRLARKLCNQCKAVRDD  475
NTDB id 1086338 ACK3BE RS27025 WP 083375734.1   PDVIMVGEIRDLETAEIAIKAAQTGHMVLSTLHTNSAAETLTRLHNMGIQGFNIATSVTLIIAQRLARKLCSHCKKPI.E  467
NTDB id 1058 ABD1 RS01615 WP 001274986.1        PDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLTRLRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIPA.D  469
NTDB id 1018 ACIAD RS01685 WP 004920473.1       PDIIMVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLTRLRNMGVASFNIATSVNLVIAQRLARRLCSQCKRPI.Q  469
consensus                                        !!***!!!!!!**!!*!!**!**!!!*!**!!!!!*!*****!* *!!* *!!********!!!!*!**!* !* *
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NTDB id 1306 DR RS10060 WP 027479822.1          .DPEVLRRLGISERDIR..GANLMRGTGCPRCGGTGYKGRMGIHELMVMDDSLRRTIGAGRPAAEIRDVALGESGLRSLR  864
NTDB id 1110 NGFG RS09235 WP 003689817.1        PSASALKEVGFTDEDLA.KDWKLYRAVGCDRCRGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVAY.KEGMVDLR  535
NTDB id 1168 A1552VC RS11070 WP 000957200.1     .SALLQSQFAFQPNEI....LYEANAAGCNECTG.GYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAK.ANGMQTLQ  539
NTDB id 1293 VP RS12240 WP 005479695.1          .TVQL.QHLGIQTTDN....IFRANPDGCNECTH.GYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAI.ANGMSTLQ  538
NTDB id 1401 DSB67 RS12665 WP 010643259.1       .NSQL.QHIGIANTEQ....IFQANPDGCNECTH.GYSGRTGIYEVMKFDESLSEALIKGASVHELEKLAI.ANGMQTLQ  538
NTDB id 1251 GCO85 RS07725 WP 011946523.1       FTNQGLIELGFKEADLV..NLKLYKAVGCEQCTS.GYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQ.SEGMLTIF  551
NTDB id 1086338 ACK3BE RS27025 WP 083375734.1   IPREALLKEGFPEERIG..SFTIYEPVGCDQCNG.GYKGRVGIYEVVKNTPDLQRLIMAEGNSLEIDIQMR.KDGFNDLR  543
NTDB id 1058 ABD1 RS01615 WP 001274986.1        IPKQSLLEMGFTEQDLAHPDFRVFQPVGCLECRE.GYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASE.KLGFNNLR  547
NTDB id 1018 ACIAD RS01685 WP 004920473.1       VPERSLLEMGFTPEDLAQPEFQIFEPVGCHDCRE.GYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAE.TLGFNNLR  547
consensus                                             *  *** * **       ** **!! *!   !!*!!*!**!***** ** **** *  *** **    !*****
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NTDB id 1306 DR RS10060 WP 027479822.1          QDGIEKALQGLTTLEEVLAVTAS  887
NTDB id 1110 NGFG RS09235 WP 003689817.1        RAGILKIMQGITSLEEVTANTND  558
NTDB id 1168 A1552VC RS11070 WP 000957200.1     ESGLEKLREGITSFAELQRVLYF  562
NTDB id 1293 VP RS12240 WP 005479695.1          MSGIEKLKQGITSFSELQRVLYF  561
NTDB id 1401 DSB67 RS12665 WP 010643259.1       MSGIEKLKQGITSFRELQRVLYF  561
NTDB id 1251 GCO85 RS07725 WP 011946523.1       QSGIEKVKEGITTIEEVNRVTVD  574
NTDB id 1086338 ACK3BE RS27025 WP 083375734.1   TSGLIKAMQGVTSLEEINRVTKD  566
NTDB id 1058 ABD1 RS01615 WP 001274986.1        RSGLKKVMQGVTSLQEVNRVTSE  570
NTDB id 1018 ACIAD RS01685 WP 004920473.1       RSGLKKVMQGVTSLQEINRVTSE  570
consensus                                        *!**!***!*!** !***** *
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X non conserved
X similar
X ≥ 50% conserved