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NTDB id 1306 DR RS10060 WP 027479822.1          REALQVQARE GKVKPLGEVI TELGFASPDE VDSALQKQNV GGGRLEDTLV QSGKLSPEML ARSLAAQLGY EFLDPIQNPP  400
NTDB id 1168 A1552VC RS11070 WP 000957200.1     ..........................EQAVVTQVSA SGTSVPEALL ELSIFHAQEL TEQLSHIFGL PETDLSRYDY   69
NTDB id 1293 VP RS12240 WP 005479695.1          ..........................EESLIEQVKA SGISMPEALL SSGFFTSSEL AEHLSSIFGL SQPELSQYEY   69
NTDB id 1401 DSB67 RS12665 WP 010643259.1       ..........................EESLLEQVKA SGISMPEALL SSGFFQSHEL TEHLSSVFGL SCTSLNQYEY   69
NTDB id 1110 NGFG RS09235 WP 003689817.1        ..........................AEHYYNE.SQ AGKEVLPMLF SDGVISPKSL AALIARVFSY SILDLRHYPR   68
NTDB id 1251 GCO85 RS07725 WP 011946523.1       ..........................AIELHKLAAA EKISLLQYIV KNKILSAEQI ALTAAQNFGV PMLDINCIDV   77
NTDB id 1038837 ACCP84 RS15735 WP 372170877.1   ..........................ARVAMDQAAQ AKVPLPQWFA EKKLVSAAQL AAANAVEFGM PLLDVSAFDA   78
NTDB id 1058 ABD1 RS01615 WP 001274986.1        ..........................MQTALDAAKR AKQDTVAYLI EEVHLSPSLL AETISAEFAE PYFDLDVYDT   77
NTDB id 1018 ACIAD RS01685 WP 004920473.1       ..........................MQQALEKAKK FKQDIVPYLI DNFSISPLTI AEIISLEFGE PLLDLGVFDP   77
consensus                                                                  ** * * ** ** *** ** **** *** **
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NTDB id 1306 DR RS10060 WP 027479822.1          DPKVALMIPE ATARRYVVVP VRLQGNSLVV AMKDPRNVFA LDDLKLITGK EILPAVMAEK DIRLLIERYF GEKGFEKLN.  479
NTDB id 1168 A1552VC RS11070 WP 000957200.1     ANLCQQLGLR ELITRYDALP IAKQGNLLLL AVSDPTLLQA EEEFRFATGL QVELALADHR ALQAAIRRLY GRSIQGAANQ  149
NTDB id 1293 VP RS12240 WP 005479695.1          ASLCQQLGLR ELITRHNALP LHRTPSTLLL AVADPTNQQA EDDFRFATGL QVELVLADFR ELSTAIRRLY GRSLSHEKSG  149
NTDB id 1401 DSB67 RS12665 WP 010643259.1       ASLCQTLGLR DLITRHNALP LNRTSSTLIL AVADPTNLQA EDDFRFATGL QVELVLADFR ELTAAIRRLY GRSLGQEKSG  149
NTDB id 1110 NGFG RS09235 WP 003689817.1        HRVLMGVLTE EQMVEFHCVP VFRRGDKVFF AVSDPTQMPQ IQKTVSAAGI AVELVIVEDD QLAGLLDWVG SRSTSLLQEL  148
NTDB id 1251 GCO85 RS07725 WP 011946523.1       GTIPVNLVNE KLIKRHAMVP LFSRGTNLYL ATDDPSKQAS LKEIQFHTGL NTHAIVVETD KLSALIDNLL TAKESQQGLSE  157
NTDB id 1038837 ACCP84 RS15735 WP 372170877.1   SQNAVKLVSE EELLQKHQVL PLFKRGNRLF VGVSNPTQTR ALDDIKFHTN LVVEAILVDE DQIRRTLEQW QASNASLGSSL  158
NTDB id 1058 ABD1 RS01615 WP 001274986.1        SQIPKDLVDQ KLILKHRILP LIQRGQILYV ATSNPSNIEA IDARFNSKLL VEPVIVEHHK LEKVLGQHFA EESSFDF..  155
NTDB id 1018 ACIAD RS01685 WP 004920473.1       ALFLKDKIDE KLIQKYRIMP LVHRGHVLYV ATSNPTNIEA MDAIRFNSKL KVEPIIVEHD KLERLLSEHF VEETHFNF..  155
consensus                                       * *  ** **** ** **!* ***  *******!*** ******* *** ** ****  * ** *** *
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NTDB id 1306 DR RS10060 WP 027479822.1          ......KELA.......ERNKTQQSQE ADLSVADESA IVQVVDSIIR EAALQDASDI HIETTEDAVK VRYRIDGALR EQN  546
NTDB id 1168 A1552VC RS11070 WP 000957200.1     GKEISQDELA NLVK.....V SDDELQSIED LSQDDSPVSR FINQVLLDAV RKGASDIHFE PYENQYRIRL RCDGILVETQ  224
NTDB id 1293 VP RS12240 WP 005479695.1          LKEINQEELA SLVD.....V GADEIDNIED LSQDESPVSR YINQILLDAV RKGASDIHFE PYEKMYRVRL RCDGILIETQ  224
NTDB id 1401 DSB67 RS12665 WP 010643259.1       LKEINQDELA GLVD.....I GEDEIENIED LSQDESPVSR YINQILLDAV RKGASDIHFE PYENMYRVRL RCDGILIETQ  224
NTDB id 1110 NGFG RS09235 WP 003689817.1        GEG..QEE.............EESHTLYIDN EEAEDGPVPR FIHKTLSDAL RSGASDIHFE FYEHNARIRF RVDGQLREVV  214
NTDB id 1251 GCO85 RS07725 WP 011946523.1       YVE.DSGDLE GLEISADDE...DQDIDTATSV TDDAPIVKFV NKILLDAIRQ GASDIHFEPY EREYRIRYRQ DGILHEVA  233
NTDB id 1038837 ACCP84 RS15735 WP 372170877.1   GN..DDEEMG DLDVSAGDED MGAGGDSGVD AKGDDTPVVK FVNKVLVDAI RRGASDIHFE PYEDDYRVRL RIDGLLKNVA  236
NTDB id 1058 ABD1 RS01615 WP 001274986.1        ....NDEE.F DLDVN..LDG PTAQEDEEEA PQGDEAPIVK YINKLLIDAI RMGASDLHFE PYEKSYRVRY RVDGVLRQIA  228
NTDB id 1018 ACIAD RS01685 WP 004920473.1       ....DTEE.L DLDVE..VDP HTTDDDDEDD KLKDEAPIVK YINKLLIDAI RMSASDLHFE PYEKSYRVRY RVDGVLRLIA  228
consensus                                           **** *              *  **  ***************!** *!!!*!*!**!  ***!*!*!!*!***
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NTDB id 1306 DR RS10060 WP 027479822.1          SFPKGAAQQI MARLKIMGHL DIAERRVPQD GRVRF..KKG SIDLDLRLST LPTVYGEKAV MRLLQKASNI PELEQLGFSE  624
NTDB id 1168 A1552VC RS11070 WP 000957200.1     QPASHLSRRL AARIKILSKL DIAERRLPQD GRIKLRLSR. DTAIDMRVST LPTLWGEKIV LRLLDSSAAN LDIDKLGYNP  303
NTDB id 1293 VP RS12240 WP 005479695.1          QPPNHLSRRL SARIKILSKL DIAERRLPQD GRIKLKLNQ. DTAIDMRVST LPTLFGEKIV LRLLDSSSAS LDIDKLGYSE  303
NTDB id 1401 DSB67 RS12665 WP 010643259.1       QPPSHLSRRL SARIKILSKL DIAERRLPQD GRIKLKLNQ. DTAIDMRVST LPTLFGEKIV LRLLDSSSAA LDINKLGYSD  303
NTDB id 1110 NGFG RS09235 WP 003689817.1        QPPIAVRGQL ASRIKVMSRL DISEKRIPQD GRMQLTFQKG GKPVDFRVST LPTLFGEKVV MRILNSDAAS LNIDQLGFEP  294
NTDB id 1251 GCO85 RS07725 WP 011946523.1       TPPASLSSRI TARIKVMSNL DISERRIPQD GGFKMKISK. SRAIDFRVST CPTSAGEKVV MRVLDSGAAK LGIEALGFNP  312
NTDB id 1038837 ACCP84 RS15735 WP 372170877.1   KAPVKLNQRI AARLKVMSQL DIAEKRVPQD GRIKLNLSK. TKQIDFRVST LPTLFGEKVV LRILDGSAAK LGIDKLGYEA  315
NTDB id 1058 ABD1 RS01615 WP 001274986.1        NPPLQLANRL ASRLKVMSQM DISEKRVPQD GRIKLKLSK. SKAIDFRVNS LPTLFGEKLV LRILDPSSAM LGIDALGYEE  307
NTDB id 1018 ACIAD RS01685 WP 004920473.1       TPPLQLATRL ASRLKVMSQM DISEKRVPQD GRIKLKMSK. SKTIDFRVNS LPTLFGEKIV LRILDPASAM LGIDALGYEP  307
consensus                                       ***  *  ****!*!*** *!!*!*!*!!!!******** ****!*!****!!**!!!*!*!*!**** * ** !!*
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NTDB id 1306 DR RS10060 WP 027479822.1          YNYARYTEIIERPNGIFLVTGPTGSGKSFTCFSTLKRIAKPEKNTTTIEDPIEYEVPGIVQSQVNNSTGMTFARALRAFL  704
NTDB id 1168 A1552VC RS11070 WP 000957200.1     QQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFL  383
NTDB id 1293 VP RS12240 WP 005479695.1          QQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFL  383
NTDB id 1401 DSB67 RS12665 WP 010643259.1       SQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFL  383
NTDB id 1110 NGFG RS09235 WP 003689817.1        FQKKLLLEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIATAEDPAEINLPGINQVNVNDKQGLTFAAALKSFL  374
NTDB id 1251 GCO85 RS07725 WP 011946523.1       VQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEDPVEIKVPGINQVNINPKAGLTFSGALRSFL  392
NTDB id 1038837 ACCP84 RS15735 WP 372170877.1   DQQKLFLEAIHKPYGMVLVTGPTGSGKTVSLYTALGILNDETRNISTAEDPVEIRLPGVNQVQQNNKRGMTFAAALRSFL  395
NTDB id 1058 ABD1 RS01615 WP 001274986.1        DQKALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFAAALKSFL  387
NTDB id 1018 ACIAD RS01685 WP 004920473.1       EQKALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANISTAEDPVEINLEGVNQVNVNPKVGLTFAAALRSFL  387
consensus                                        ** ****** *!*!**!*!!!!!!!!*******!*****  *!**!*!!!*!****!**!*******!**!**!!**!!
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NTDB id 1306 DR RS10060 WP 027479822.1          RQDPDIIFVGEIRDQETAKIAVEAALTGHMVLATLHTNDAPGAVTRLEEMGIENFNISAAVMGVLAQRLVRRVCSECKQP  784
NTDB id 1168 A1552VC RS11070 WP 000957200.1     RQDPDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIRLANMGVEPFNLASSLSLIIAQRLARRLCKHCKIA  463
NTDB id 1293 VP RS12240 WP 005479695.1          RQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCKQP  463
NTDB id 1401 DSB67 RS12665 WP 010643259.1       RQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQP  463
NTDB id 1110 NGFG RS09235 WP 003689817.1        RQDPDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLSRMLNMGVAPFNIASSVSLIMAQRLLRRLCSSCKQE  454
NTDB id 1251 GCO85 RS07725 WP 011946523.1       RQDPDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLNRLVNMGIPTFNIASSVTLIIAQRLARKLCNQCKAV  472
NTDB id 1038837 ACCP84 RS15735 WP 372170877.1   RQDPDIIMVGEIRDLETAEIAIKAAQTGHMVLSTLHTNDAPQTIARLMNMGIAPYNITSSVTLVIAQRLARRLCNHCKRK  475
NTDB id 1058 ABD1 RS01615 WP 001274986.1        RQDPDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLTRLRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIP  467
NTDB id 1018 ACIAD RS01685 WP 004920473.1       RQDPDIIMVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLTRLRNMGVASFNIATSVNLVIAQRLARRLCSQCKRP  467
consensus                                        !!!!!***!!!!!!**!!*!!**!**!!!*!**!!!!!*!****  !* *!!* **!*********!!!!*!**!   !* *
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NTDB id 1306 DR RS10060 WP 027479822.1          .TNADPEVLRRLGISERDIR..GANLMRGTGCPRCGGTGYKGRMGIHELMVMDDSLRRTIGAGRPAAEIRDVALGESGLR  861
NTDB id 1168 A1552VC RS11070 WP 000957200.1     .VRPSALLQSQFAFQPNEIL....YEANAAGCNECT.GGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAK.ANGMQ  536
NTDB id 1293 VP RS12240 WP 005479695.1          .QEHTVQL.QHLGIQTTDNI....FRANPDGCNECT.HGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAI.ANGMS  535
NTDB id 1401 DSB67 RS12665 WP 010643259.1       .QEPNSQL.QHIGIANTEQI....FQANPDGCNECT.HGYSGRTGIYEVMKFDESLSEALIKGASVHELEKLAI.ANGMQ  535
NTDB id 1110 NGFG RS09235 WP 003689817.1        VERPSASALKEVGFTDEDLA.KDWKLYRAVGCDRCRGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVAY.KEGMV  532
NTDB id 1251 GCO85 RS07725 WP 011946523.1       RDDFTNQGLIELGFKEADLV..NLKLYKAVGCEQCT.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQ.SEGML  548
NTDB id 1038837 ACCP84 RS15735 WP 372170877.1   .STLPENALLAEGFTPAQIA.AGIELYEAVGCDECT.EGYKGRTGIYQVMPMTDEIGAIVLEGGNAMQIAEAAQ.AIGIR  551
NTDB id 1058 ABD1 RS01615 WP 001274986.1        .ADIPKQSLLEMGFTEQDLAHPDFRVFQPVGCLECR.EGYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASE.KLGFN  544
NTDB id 1018 ACIAD RS01685 WP 004920473.1       .IQVPERSLLEMGFTPEDLAQPEFQIFEPVGCHDCR.EGYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAE.TLGFN  544
consensus                                              * *  *****  **       ** **!! *!*  !!*!!*!****** ***** ***  **  ***  **    !*
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NTDB id 1306 DR RS10060 WP 027479822.1          SLFQDGIEKALQGLTTLEEVLAVTAS  887
NTDB id 1168 A1552VC RS11070 WP 000957200.1     TLQESGLEKLREGITSFAELQRVLYF  562
NTDB id 1293 VP RS12240 WP 005479695.1          TLQMSGIEKLKQGITSFSELQRVLYF  561
NTDB id 1401 DSB67 RS12665 WP 010643259.1       TLQMSGIEKLKQGITSFRELQRVLYF  561
NTDB id 1110 NGFG RS09235 WP 003689817.1        DLRRAGILKIMQGITSLEEVTANTND  558
NTDB id 1251 GCO85 RS07725 WP 011946523.1       TIFQSGIEKVKEGITTIEEVNRVTVD  574
NTDB id 1038837 ACCP84 RS15735 WP 372170877.1   DLRQSALMKAAHGVTSLAEINRVTKD  577
NTDB id 1058 ABD1 RS01615 WP 001274986.1        NLRRSGLKKVMQGVTSLQEVNRVTSE  570
NTDB id 1018 ACIAD RS01685 WP 004920473.1       NLRRSGLKKVMQGVTSLQEINRVTSE  570
consensus                                       *** ****!* *!*!** !***** *
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X non conserved
X similar
X ≥ 50% conserved