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NTDB id 1410 SGL RS13950 WP 010873519.1       ..........................................................    0
NTDB id 1028 TT RS08215 WP 011173991.1        MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK   80
NTDB id 1306 DR RS10060 WP 027479822.1        .MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL   79
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 1110 NGFG RS09235 WP 003689817.1      ..........................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ..........................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ..........................................................    0
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NTDB id 1251 GCO85 RS07725 WP 011946523.1     ..........................................................    0
consensus
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NTDB id 1028 TT RS08215 WP 011173991.1        ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P   158
NTDB id 1306 DR RS10060 WP 027479822.1        RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA   157
NTDB id 1168 A1552VC RS11070 WP 000957200.1   ..........................................................    0
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NTDB id 1110 NGFG RS09235 WP 003689817.1      ..........................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ..........................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ..........................................................    0
NTDB id 171801 JT25 RS07430 WP 036272828.1    ..........................................................    0
NTDB id 1251 GCO85 RS07725 WP 011946523.1     ..........................................................    0
consensus
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NTDB id 1306 DR RS10060 WP 027479822.1        SDAGRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL   237
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 1110 NGFG RS09235 WP 003689817.1      ..........................................................    0
NTDB id 1058 ABD1 RS01615 WP 001274986.1      ..........................................................    0
NTDB id 1018 ACIAD RS01685 WP 004920473.1     ..........................................................    0
NTDB id 171801 JT25 RS07430 WP 036272828.1    ..........................................................    0
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consensus
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NTDB id 1028 TT RS08215 WP 011173991.1       VATEAAITKLIERFYGKAELSEIAK.....................EFAKKQAEEEV...PSPLELDESAAQKFVKQVI  515
NTDB id 1306 DR RS10060 WP 027479822.1       VMAEKDIIRLIERYFGEKGFEKLNK.....................ELAERNKTQQS.QEADLSVADESALVQVVDSII  512
NTDB id 1168 A1552VC RS11070 WP 000957200.1  LADHRALQAAIRRLYGRSIQGAANQGKEISQ...........DELANLVKVSDDEL...QSIEDLSQDDSPVSRFINQVL  190
NTDB id 1293 VP RS12240 WP 005479695.1       LADFRELSTAIRRLYGRSLSHEKSGLKEINQ...........EELASLVDVGADEI...DNIEDLSQDESPVSRYINQIL  190
NTDB id 1401 DSB67 RS12665 WP 010643259.1    LADFRELTAAIRRLYGRSLGQEKSGLKEINQ...........DELAGLVDIGEDEI...ENIEDLSQDESPVSRYINQIL  190
NTDB id 1110 NGFG RS09235 WP 003689817.1     IVEDDQLAGLLDWVGSRSTS.LLQELGEGQE...........EEESHT...........LYIDNEEAEDGPVPRFIHKTL  180
NTDB id 1058 ABD1 RS01615 WP 001274986.1     IVEHHKLEKVLGQHFAEESSFDFN......D...........EEFDLDVNLDGPTAQE.DEEEAPQGDEAPIVKYINKLL  194
NTDB id 1018 ACIAD RS01685 WP 004920473.1    IVEHDKLERLLSEHFVEETHFNFD......T...........EELDLDVEVDPHTTDD.DDEDDKLKDEAPIVKYINKLL  194
NTDB id 1171801 JT25 RS07430 WP 036272828.1  LVEEDKLIRMIDTALEAADTSM.KDLL..DD...........DLDNIDISAGDDSKPA.DETMGSDIDDAPIVRFVNKIL  197
NTDB id 1251 GCO85 RS07725 WP 011946523.1    VVETDKLSALIDNLLTAKESQGLSEYVEDSG...........DLEGLEISADDEDQD..IDTATSVTDDAPIVKFVNKIL  199
consensus                                    ***   *  ***  **                          **   ** *  *       *    ************
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NTDB id 1028 TT RS08215 WP 011173991.1       REAFLQDASDIHIEPRQNDVQVRLRIDGALRPYST.LPKGALNAVISVVKIMGGLNIAEKRLPQDGRVRY..REGAIDVD  592
NTDB id 1306 DR RS10060 WP 027479822.1       REAALQDASDIHIETTEDAVKVRYRIDGALREQNS.FPKGAAQQIMARLKIMGHLDIAERRVPQDGRVRF..KKGSIDLD  589
NTDB id 1168 A1552VC RS11070 WP 000957200.1  LDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQ.PASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAID  268
NTDB id 1293 VP RS12240 WP 005479695.1       LDAVRKGASDIHFEPYEKMYRVRLRCDGILIETQQ.PPNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAID  268
NTDB id 1401 DSB67 RS12665 WP 010643259.1    LDAVRKGASDIHFEPYENMYRVRLRCDGILIEIQQ.PPSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAID  268
NTDB id 1110 NGFG RS09235 WP 003689817.1     SDALRSGASDIHFEFYEHNARIRFRVDGQLREVVQ.PPIAVRGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVD  259
NTDB id 1058 ABD1 RS01615 WP 001274986.1     IDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQIAN.PPLQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAID  272
NTDB id 1018 ACIAD RS01685 WP 004920473.1    IDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIAT.PPLQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTID  272
NTDB id 1171801 JT25 RS07430 WP 036272828.1  LDSIKRGVSDIHMEPFEKKFRIRFRADGILSEVAS.PPVGIANRIISRLKVMSRMDIAERRVPQDGRIKMQISK.NRAID  275
NTDB id 1251 GCO85 RS07725 WP 011946523.1    LDAIRQGASDIHFEPYEREYRIRYRQDGILHEVAT.PPASLSSRITARIKVMSNLDISERRIPQDGGFKMKISK.SRAID  277
consensus                                    *****  **!!*!*!***  ***!*!  !!*!  **   **  *  **  ***!***  **!*!*!*!!!!******  *  ***!
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NTDB id 1028 TT RS08215 WP 011173991.1       LRLSTLPTVYGEKAVMRLLKKASDIPEIEDLGFAPGVFERFKEVISKPYGIFLITGPTGSGKSFTTFSILKRIATPDKNT  672
NTDB id 1306 DR RS10060 WP 027479822.1       LRLSTLPTVYGEKAVMRLLQKASNIPELEQLGFSEYNYARYTEIIERPNGIFLVTGPTGSGKSFTCFSTLKRIAKPEKNT  669
NTDB id 1168 A1552VC RS11070 WP 000957200.1  MRVSTLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINI  348
NTDB id 1293 VP RS12240 WP 005479695.1       MRVSTLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINI  348
NTDB id 1401 DSB67 RS12665 WP 010643259.1    MRVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINI  348
NTDB id 1110 NGFG RS09235 WP 003689817.1     FRVSTLPTLFGEKVVMRILNSDAASLNIDQLGFEPFQKKLLLEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNI  339
NTDB id 1058 ABD1 RS01615 WP 001274986.1     FRVNSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQKALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNI  352
NTDB id 1018 ACIAD RS01685 WP 004920473.1    FRVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQKALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANI  352
NTDB id 1171801 JT25 RS07430 WP 036272828.1  FRVNTCPTLFGEKVVMRILDPTSAQIGIEKLGFEPEQQKNFLEAIHKPYGMVLVTGPTGSGKTVSLYTGLNILNSIETNI  355
NTDB id 1251 GCO85 RS07725 WP 011946523.1    FRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNI  357
consensus                                    *!*****!***!!!***!*!* *** * ** !** * ** ******* *!*!**!*!!!!!!!!*******!*****  **!*
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NTDB id 1028 TT RS08215 WP 011173991.1       QTIEDPVEYEIPGINQTQVNPQAGLTFARALRAFLRQDPDIIMVGEIRDSETAKIATEAALTGHLVIATLHTNDAAQAIT  752
NTDB id 1306 DR RS10060 WP 027479822.1       TTIEDPIEYEVPGIVQSQVNNSTGMTFARALRAFLRQDPDIIFVGEIRDQETAKIAVEAALTGHMVLATLHTNDAPGAVT  749
NTDB id 1168 A1552VC RS11070 WP 000957200.1  STAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVI  428
NTDB id 1293 VP RS12240 WP 005479695.1       STAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETII  428
NTDB id 1401 DSB67 RS12665 WP 010643259.1    STAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVI  428
NTDB id 1110 NGFG RS09235 WP 003689817.1     ATAEDPAEINLPGINQVNVNDKQGLTFAAALKSFLRQDPDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLS  419
NTDB id 1058 ABD1 RS01615 WP 001274986.1     STAEDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLT  432
NTDB id 1018 ACIAD RS01685 WP 004920473.1    STAEDPVEINLEGVNQVNVNPKVGLTFAAALRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLT  432
NTDB id 1401 DSB67 RS12665 WP 010643259.1    STAEDPVEITVEGINQVNVNPKAGLTFAEALRAFLRQDPDIIMVGEIRDLETASIAVKAAQTGHMVLSTLHTNDAPQTIN  435
NTDB id 1251 GCO85 RS07725 WP 011946523.1    STAEDPVEIKVPGINQVNINPKAGLTFSGALRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLN  437
consensus                                    *!*!!!*!* **!**!****** !**!* *!**!*!!!!!***!!!*!!**!!**!**!**!!!*!**!!!!! !****
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NTDB id 1028 TT RS08215 WP 011173991.1       RLDEMGVEPFNISAALIGVLSQRLVRRVCEHCKVE.VKPDPETLRRLGLSEAEIQ..GA.............RLYKGMGC  816
NTDB id 1306 DR RS10060 WP 027479822.1       RLEEMGIENFNISAAVMGVLAQRLVRRVCSECKQP.TNADPEVLRRLGISERDIR..GA.............NLMRGTGC  813
NTDB id 1168 A1552VC RS11070 WP 000957200.1  RLANMGVEPFNLASSLSLIIAQRLARRLCKHCKIA.VRPSALLQSQFAFQPNEIL.................YEANAAGC  490
NTDB id 1293 VP RS12240 WP 005479695.1       RLSNMGVESFNLASSLSLIIAQRLARKLCPYCKQP.QEHTVQL.QHLGIQTTDNI.................FRANPDGC  489
NTDB id 1401 DSB67 RS12665 WP 010643259.1    RLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQP.QEPNSQL.QHIGIANTEQI.................FQANPDGC  489
NTDB id 1110 NGFG RS09235 WP 003689817.1     RMLNMGVAPFNIASSVSLIMAQRLLRRLCSSCKQEVERPSASALKEVGFTDEDLAK.DW.............KLYRAVGC  485
NTDB id 1058 ABD1 RS01615 WP 001274986.1     RLRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIP.ADIPKQSLLEMGFTEQDLAHPDF.............RVFQPVGC  498
NTDB id 1018 ACIAD RS01685 WP 004920473.1    RLRNMGVASFNIATSVNLVIAQRLARRLCSQCKRP.IQVPERSLLEMGFTPEDLAQPEF.............QIFEPVGC  498
NTDB id 1171801 JT25 RS07430 WP 036272828.1  RLVQMGIEPFNIVSAVVLIMAQRLARRLCEHCKQE.VDYPESALLSAGFKQEEIG..TF.............KVYGPVGC  499
NTDB id 1251 GCO85 RS07725 WP 011946523.1    RLVNMGIPTFNIASSVTLIIAQRLARKLCNQCKAVRDDFTNQGLIELGFKEADLV..NL.............KLYKAVGC  502
consensus                                    !* *!!** !******* ****!!!*!**!  !*          *  ****  **              ** ***!
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NTDB id 1028 TT RS08215 WP 011173991.1       ERCGGTGYKGRYAIHELLVVDDEIRHAIVACKSATEIKEIAR.RKGMKTLREDGLYKALQGITTLEEVLARTIE......  889
NTDB id 1306 DR RS10060 WP 027479822.1       PRCGGTGYKGRMGIHELMVMDDSLRRTIGAGRPAAEIRDVALGESGLRSLRQDGIEKALQGLTTLEEVLAVTAS......  887
NTDB id 1168 A1552VC RS11070 WP 000957200.1  NECT.GGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAK.ANGMQTLQESGLEKLREGITSFAELQRVLYF......  562
NTDB id 1293 VP RS12240 WP 005479695.1       NECT.HGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAI.ANGMSTLQMSGIEKLKQGITSFSELQRVLYF......  561
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NTDB id 1171801 JT25 RS07430 WP 036272828.1  EHCN.NGYKGRVGIYQVMPITEKMRALILNGGNSMQMAELSK.SEGINDLRMSGLLKIKQGITSLQEIDRVTKE......  571
NTDB id 1251 GCO85 RS07725 WP 011946523.1    EQCT.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQ.SEGMLTIFQSGIEKVKEGITTIEEVNRVTVD......  574
consensus                                       !   !!*!!******* *****  *** ***  **  **    !* *** *** ** *!*!** !***** *
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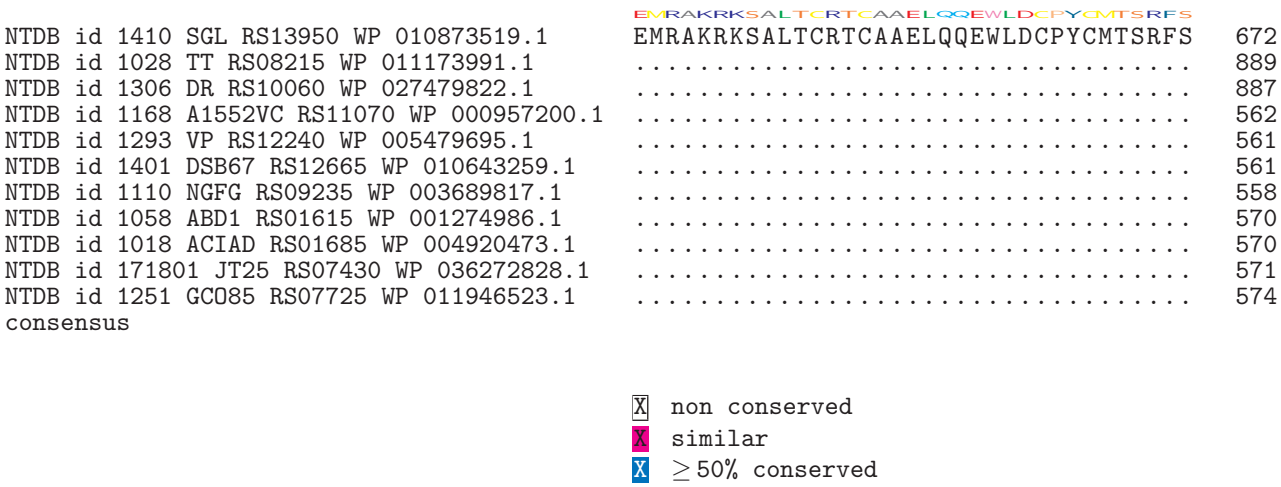
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NTDB id 1306 DR RS10060 WP 027479822.1 887
NTDB id 1168 A1552VC RS11070 WP 000957200.1 562
NTDB id 1293 VP RS12240 WP 005479695.1 561
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NTDB id 1018 ACIAD RS01685 WP 004920473.1 570
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NTDB id 1251 GCO85 RS07725 WP 011946523.1 574
consensus
X non conserved
X similar
X ≥ 50% conserved