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NTDB id 1028 TT RS08215 WP 011173991.1      MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK   80
NTDB id 1306 DR RS10060 WP 027479822.1      .MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL   79
NTDB id 1355 HI 0298 AAC21962.1             ................................................................................   0
NTDB id 1366 NTHI RS01950 WP 011271972.1    ................................................................................   0
NTDB id 1468 ASU2 RS05090 WP 014991734.1    ................................................................................   0
NTDB id 1384 A4U84 RS08525 WP 010787006.1   ................................................................................   0
NTDB id 1410 SGL RS13950 WP 010873519.1     ................................................................................   0
NTDB id 29154 EAE RS11550 WP 015704408.1    ................................................................................   0
NTDB id 1436 BW25113 RS00530 WP 001025145.1 ................................................................................   0
NTDB id 1168 A1552VC RS11070 WP 000957200.1 ................................................................................   0
NTDB id 1401 DSB67 RS12665 WP 010643259.1   ................................................................................   0
NTDB id 1293 VP RS12240 WP 005479695.1      ................................................................................   0
NTDB id 1110 NGFG RS09235 WP 003689817.1    ................................................................................   0
NTDB id 1251 GCO85 RS07725 WP 011946523.1   ................................................................................   0
NTDB id 1018 ACIAD RS01685 WP 004920473.1   ................................................................................   0
NTDB id 1058 ABD1 RS01615 WP 001274986.1    ................................................................................   0
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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 1355 HI 0298 AAC21962.1             ................................................................................   0
NTDB id 1366 NTHI RS01950 WP 011271972.1    ................................................................................   0
NTDB id 1468 ASU2 RS05090 WP 014991734.1    ................................................................................   0
NTDB id 1384 A4U84 RS08525 WP 010787006.1   ................................................................................   0
NTDB id 1410 SGL RS13950 WP 010873519.1     ................................................................................   0
NTDB id 29154 EAE RS11550 WP 015704408.1    ................................................................................   0
NTDB id 1436 BW25113 RS00530 WP 001025145.1 ................................................................................   0
NTDB id 1168 A1552VC RS11070 WP 000957200.1 ................................................................................   0
NTDB id 1401 DSB67 RS12665 WP 010643259.1   ................................................................................   0
NTDB id 1293 VP RS12240 WP 005479695.1      ................................................................................   0
NTDB id 1110 NGFG RS09235 WP 003689817.1    ................................................................................   0
NTDB id 1251 GCO85 RS07725 WP 011946523.1   ................................................................................   0
NTDB id 1018 ACIAD RS01685 WP 004920473.1   ................................................................................   0
NTDB id 1058 ABD1 RS01615 WP 001274986.1    ................................................................................   0
consensus
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NTDB id 1028 TT RS08215 WP 011173991.1      SGEGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA   237
NTDB id 1306 DR RS10060 WP 027479822.1      SDAGRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL   237
NTDB id 1355 HI 0298 AAC21962.1             ..............................................................................................     0
NTDB id 1366 NTHI RS01950 WP 011271972.1    ..............................................................................................     0
NTDB id 1468 ASU2 RS05090 WP 014991734.1    ..............................................................................................     0
NTDB id 1384 A4U84 RS08525 WP 010787006.1   ..............................................................................................     0
NTDB id 1410 SGL RS13950 WP 010873519.1     ..............................................................................................     0
NTDB id 29154 EAE RS11550 WP 015704408.1    ..............................................................................................     0
NTDB id 1436 BW25113 RS00530 WP 001025145.1 ..............................................................................................     0
NTDB id 1168 A1552VC RS11070 WP 000957200.1 ..............................................................................................     0
NTDB id 1401 DSB67 RS12665 WP 010643259.1   ..............................................................................................     0
NTDB id 1293 VP RS12240 WP 005479695.1      ..............................................................................................     0
NTDB id 1110 NGFG RS09235 WP 003689817.1    ..............................................................................................     0
NTDB id 1251 GCO85 RS07725 WP 011946523.1   ..............................................................................................     0
NTDB id 1018 ACIAD RS01685 WP 004920473.1   ..............................................................................................     0
NTDB id 1058 ABD1 RS01615 WP 001274986.1    ..............................................................................................     0
consensus
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NTDB id 1028 TT RS08215 WP 011173991.1      LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWEELFRRAYPQKNRLGEVLVQEGKLSR   317
NTDB id 1306 DR RS10060 WP 027479822.1      GSMLRADALRLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQRGRLGEQLVQEGTLSR   317
NTDB id 1355 HI 0298 AAC21962.1             ..............................................................................................     0
NTDB id 1366 NTHI RS01950 WP 011271972.1    ..............................................................................................     0
NTDB id 1468 ASU2 RS05090 WP 014991734.1    ..............................................................................................     0
NTDB id 1384 A4U84 RS08525 WP 010787006.1   ..............................................................................................     0
NTDB id 1410 SGL RS13950 WP 010873519.1     ..............................................................................MTS     3
NTDB id 29154 EAE RS11550 WP 015704408.1    ..............................................................................................     0
NTDB id 1436 BW25113 RS00530 WP 001025145.1 ..............................................................................................     0
NTDB id 1168 A1552VC RS11070 WP 000957200.1 ..............................................................................................     0
NTDB id 1401 DSB67 RS12665 WP 010643259.1   ..............................................................................................     0
NTDB id 1293 VP RS12240 WP 005479695.1      ..............................................................................................     0
NTDB id 1110 NGFG RS09235 WP 003689817.1    ..............................................................................................     0
NTDB id 1251 GCO85 RS07725 WP 011946523.1   ..............................................................................................     0
NTDB id 1018 ACIAD RS01685 WP 004920473.1   ..............................................................................................     0
NTDB id 1058 ABD1 RS01615 WP 001274986.1    ..............................................................................................     0
consensus
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NTDB id 1028 TT RS08215 WP 011173991.1      EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQS..GKLRPEALAQ.......AVATQL   388
NTDB id 1306 DR RS10060 WP 027479822.1      DQLREALQVQAREGKVKPLGEVITELGFASPDEVDSALQKQNVGGGRLEDTLVQS..GKLSPEMLAR.......SLAAQL   388
NTDB id 1355 HI 0298 AAC21962.1             ..........................................................MTSY.......ALLHTQ    10
NTDB id 1366 NTHI RS01950 WP 011271972.1    ..........................................................MTSY.......ALLHTQ    10
NTDB id 1468 ASU2 RS05090 WP 014991734.1    ..................................................................MQY.......S.....     4
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ..................................................................MSQY.......T.....     5
NTDB id 1410 SGL RS13950 WP 010873519.1     SSSSKKSRAVALRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLY    83
NTDB id 29154 EAE RS11550 WP 015704408.1    ..........................................................................................     0
NTDB id 1436 BW25113 RS00530 WP 001025145.1 ..........................................................................................     0
NTDB id 1168 A1552VC RS11070 WP 000957200.1 ..............MLTNLVAILRQAELISATQEQAVVTQVSASGTSVPEALLEL..SIFHAQELTE.......QLSHIF    57
NTDB id 1401 DSB67 RS12665 WP 010643259.1   ..............MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLSS..GFFQSHELTE.......HLSSVF    57
NTDB id 1293 VP RS12240 WP 005479695.1      ..............MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLSS..GFFTSSELAE.......HLSSIF    57
NTDB id 1110 NGFG RS09235 WP 003689817.1    ..............MSVGLLRILVQNQVVTVEQAEHYY.NESQAGKEVLPMLFSD..GVISPKSLAA.......LIARVF    56
NTDB id 1251 GCO85 RS07725 WP 011946523.1   ......MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKN..KILSAEQIAL.......TAAQNF    65
NTDB id 1018 ACIAD RS01685 WP 004920473.1   ......MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDN..FSISPLTIAE.......ITSLEF    65
NTDB id 1058 ABD1 RS01615 WP 001274986.1    ......MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIEE..VHLSPSLLAE.......TISAEF    65
consensus                                             *                 *  *           *           *
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NTDB id 1028 TT RS08215 WP 011173991.1      GYPYVDPEEDP.....PDPGAPLLLPEDLCRRYGVFPHRLE...GNRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPA   460
NTDB id 1306 DR RS10060 WP 027479822.1      GYEFLDPIQNP.....PDPKVALMIPEATARRYVVVPVRLQ...GNSLVVAMKDPRNVFALDDLKLITG.....KEILPA   455
NTDB id 1355 HI 0298 AAC21962.1             RVTAKNGEVFTIS...PDLWERNQQQQSLLLRYFALPLKEE...NNRLWLGVDSLSNLSACETIA...FITG..KPVEPI    79
NTDB id 1366 NTHI RS01950 WP 011271972.1    RVTAQNGEIFTIS...PDLWERNQQQQSLLLRYFALPLKEE...NNRLWLGVDSLSNLSACETIA...FITG..KPVEPI    79
NTDB id 1468 ASU2 RS05090 WP 014991734.1    VCDMNSQQVFDIS...ESLWQKNCDEKHILLRYLAIPIQEN...DDTLWLAIDDMNNLSACEIFA...FIAH..KTIEPV    73
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ICEQQTERIFDIS...PSRWQKNCEEKQLLLRYLAVPVQET...EHKLWLAVDDENNLTACEIFA...FMTH..KQIEPV    74
NTDB id 1410 SGL RS13950 WP 010873519.1     GVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKG..FELRRL   161
NTDB id 29154 EAE RS11550 WP 015704408.1    ....................MKTEQLLSLCQRHHALLLKSD...EQTIVIAVVDTPSPELMEALR...FATQ..KRIDIE    52
NTDB id 1436 BW25113 RS00530 WP 001025145.1 ....................MNIPQLTALCLRYHGVLLDAS...EEVVHVAVVDAPSHELLDALH...FATT..KRIEIT    52
NTDB id 1168 A1552VC RS11070 WP 000957200.1 GLPETDLSRYD.....YANLCQQLGLRELITRYDALPIAKQ...GNLLLLAVSDPTLLQAEEEFR...FATG..LQVELA   124
NTDB id 1401 DSB67 RS12665 WP 010643259.1   GLSCTSLNQYE.....YASLCQTLGLRDLITRHNALPLNRT...SSTLILAVADPTNLQAEDDFR...FATG..LQVELV   124
NTDB id 1293 VP RS12240 WP 005479695.1      GLSQPELSQYE.....YASLCQQLGLRELITRHNALPLHRT...PSTLLLAVADPTNQQAEDDFR...FATG..LQVELV   124
NTDB id 1110 NGFG RS09235 WP 003689817.1    SYSILDLRHYP.....RHRVLMGVLTEEQMVEFHCVPVFRR...GDKVFFAVSDPTQMPQIQKTV...SAAG..IAVELV   123
NTDB id 1251 GCO85 RS07725 WP 011946523.1   GVPMLDINCID.....VGTIPVNLVNEKLIKRHAMVPLFSR...GTNLYLATDDPSKQASLKEIQ...FHTG..LNTHAI   132
NTDB id 1018 ACIAD RS01685 WP 004920473.1   GEPLLDLGVFD.....PALFLKDKIDEKLIQKYRIMPLVHR...GHVLYVATSNPTNIEAMDAIR...FNSK..LKVEPI   132
NTDB id 1058 ABD1 RS01615 WP 001274986.1    AEPYFDLDVYD.....TSQIPKDLVDQKLILKHRILPLIQR...GQILYVATSNPSNIEAIDAIR...FNSK..LLVEPV   132
consensus                                   *   *   *                 ** ** **** *       * *** ***** * * *    * **     ** *
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NTDB id 1028 TT RS08215 WP 011173991.1     VATEAAITKLIERFYGKAELSEIAKEFAKK.....................QAEEEV..PSPLELDESAAQKFVKQVI   515
NTDB id 1306 DR RS10060 WP 027479822.1     VMAEKDIIRLIERYFGEKGFEKLNKELAER.....................NKTQQSQEADLSVADESAIVQVVDSII   512
NTDB id 1355 HI 0298 AAC21962.1            LLESSQLKELLQQLTPNQMQVEEQVK.........................FYQHQETHFEQEDDEPVIRLLNQIF   130
NTDB id 1366 NTHI RS01950 WP 011271972.1   LLESSQLKELLQQLTPHQMQVEEQVK.........................FYQHQETHFEQEDDEPVIRLLNQIF   130
NTDB id 1468 ASU2 RS05090 WP 014991734.1   LISSDELKYLLNQLSPEQQSLYEETEL.........................NYQSPDNLDLLNQNDPIIQILDNLF   125
NTDB id 1384 A4U84 RS08525 WP 010787006.1  VIASDELKYLLNALSPEQQPIYEESEL.........................AFVEQE.QEQLNLNDPIIQLLDNLF   125
NTDB id 1410 SGL RS13950 WP 010873519.1    VVTQDDFNQLLEQYYAIREEWEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDKEDVDNALDSNDANQAPVINLVNKIL   241
NTDB id 29154 EAE RS11550 WP 015704408.1   FWSQERMDKH...........................................QHEAPRSAADSATGNPQGVTDLLNQIL    89
NTDB id 1436 BW25113 RS00530 WP 001025145.1 CWTRQQMEGH..........................................ASRTQQTLPVAVQEKHQPKAELLTRTL    89
NTDB id 1168 A1552VC RS11070 WP 000957200.1 LADHRALQAAIRRLYGRSIQGAANQGKEISQ...DELAN..........L.VKVSDDELQSIEDLSQDDSPVSRFINQVL   190
NTDB id 1401 DSB67 RS12665 WP 010643259.1  LADFRELTAAIRRLYGRSLGQEKSGLKEINQ...DELAG..........L.VDIGEDEIENIEDLSQDESPVSRYINQIL   190
NTDB id 1293 VP RS12240 WP 005479695.1     LADFRELSTAIRRLYGRSLSHEKSGLKEINQ...EELAS..........L.VDVGADEIDNIEDLSQDESPVSRYINQIL   190
NTDB id 1110 NGFG RS09235 WP 003689817.1   IVEDDQLAGLLDWVGSRSTSL..LQEL..........GE..........G.QEEEESHTLYIDNEEAEDGPVPRFIHKTL   180
NTDB id 1251 GCO85 RS07725 WP 011946523.1  VVETDKLSALIDNLLTAKESQGLSEYVEDSG.DLEGLEI..........S.AD.DEDQDIDTATSVTDDAPIVKFVNKIL   199
NTDB id 1018 ACIAD RS01685 WP 004920473.1  IVEHDKLERLLSEHFVEETHFNFDTE...EL.D...LDV..........E.VDPHTTDDDDEDDKLKDEAPIVKYINKLL   194
NTDB id 1058 ABD1 RS01615 WP 001274986.1   IVEHHKLEKVLGQHFAEESSFDFNDE...EF.D...LDV..........N.LDGPTAQEDEEEAPQGDEAPIVKYINKLL   194
consensus                                  ***   *  **  *                                    *    ** **** *****
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NTDB id 1028 TT RS08215 WP 011173991.1     REAFLQDASDIHIEPRQNDVQVRLRIDGALRPYSTL.PKGALNAVISVVKIMGGLNIAEKRLPQDGRVRYREG..AIDVD   592
NTDB id 1306 DR RS10060 WP 027479822.1     REAALQDASDIHIETTEDAVKVRYRIDGALREQNSF.PKGAAQQIMARLKIMGHLDIAERRVPQDGRVRFKKG..SIDLD   589
NTDB id 1355 HI 0298 AAC21962.1            ESALQKNASDIHLETLADQFQVRFRIDGVLQPQPLI.SKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTF.SDILD   208
NTDB id 1366 NTHI RS01950 WP 011271972.1   ESALQKNASDIHLETLADQFQVRFRIDGVLQPQPLI.SKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTF.SDILD   208
NTDB id 1468 ASU2 RS05090 WP 014991734.1   KFCLKQNASDIHFEPQKEKLQIRLRIDGVLHIYKSL.SFSLANRIITRLKLLAKLDISETRLPQDGQFNFKTVT.AETLD   203
NTDB id 1384 A4U84 RS08525 WP 010787006.1  KFCLAQNASDIHIEPRKQKLIIRLRIDGVLHLYKSL.SIQLASRLISRIKLLAKLDISELRQPQDGQFSFTTAL.ADTLD   203
NTDB id 1410 SGL RS13950 WP 010873519.1    AKALQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQ..GRKVD   319
NTDB id 29154 EAE RS11550 WP 015704408.1   EQALRQRASDIHIEPAENQLRIRLRVDGVLHALPLL.EAALAAPIAARLKVLGNLDIAEHRLPQDGQFTLTLT..GRTVS   166
NTDB id 1436 BW25113 RS00530 WP 001025145.1 QSALEQRASDIHIEPADNAYRIRLRIDGVLHPLPDV.SPDAGVALTARLKVLGNLDIAEHRLPQDGQFTVELA..GNAVS   166
NTDB id 1168 A1552VC RS11070 WP 000957200.1 LDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQP.ASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAID   268
NTDB id 1401 DSB67 RS12665 WP 010643259.1  LDAVRKGASDIHFEPYENMYRVRLRCDGILIEIQQP.PSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAID   268
NTDB id 1293 VP RS12240 WP 005479695.1     LDAVRKGASDIHFEPYEKMYRVRLRCDGILIETQQP.PNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAID   268
NTDB id 1110 NGFG RS09235 WP 003689817.1   SDALRSGASDIHFEFYEHNARIRFRVDGQLREVVQP.PIAVRGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVD   259
NTDB id 1251 GCO85 RS07725 WP 011946523.1  LDAIRQGASDIHFEPYEREYRIRYRQDGILHEVATP.PASLSSRITARIKVMSNLDISERRIPQDGGFKMKISK.SRAID   277
NTDB id 1018 ACIAD RS01685 WP 004920473.1  IDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIATP.PLQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTID   272
NTDB id 1058 ABD1 RS01615 WP 001274986.1   IDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQIANP.PLQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAID   272
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 1355 HI 0298 AAC21962.1             FRLSTLPTHWGEKIVLRAQQNKPVELSFSELGMTENQQQAFQRVLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHI   288
NTDB id 1366 NTHI RS01950 WP 011271972.1    FRLSTLPTHWGEKIVLRAQQNKPVELSFAELGMTENQQQAFQRSLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHI   288
NTDB id 1468 ASU2 RS05090 WP 014991734.1    FRVSSLPTSFGEKIVLRLQKNKPTHFDFLELGFSPEQKQLLLTALHQPQGLILVTGPTGSGKSITLYSALNYLNNSERHI   283
NTDB id 1384 A4U84 RS08525 WP 010787006.1   FRVSSLPTIYGEKLVLRLQKNKPTSFDFLQLGFNPQQQTTLLNALKQPQGLILVTGPTGSGKSITLYSALNYLNQMDKHI   283
NTDB id 1410 SGL RS13950 WP 010873519.1     FRVNTLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNSPEVNI   399
NTDB id 29154 EAE RS11550 WP 015704408.1    FRIATLPCRGGEKIVLRLLHQVEQTLDLEALGLSSRQLAFFRATLNQPQGLLLVTGPTGSGKTVTLYSALQARNREEVNI   246
NTDB id 1436 BW25113 RS00530 WP 001025145.1 FRIATLPCRGGEKVVLRLLQQVGQALDVNTLGMQPLQLADFAHALQQPQGLVLVTGPTGSGKTVTLYSALQKLNTADINI   246
NTDB id 1168 A1552VC RS11070 WP 000957200.1 MRVSTLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINI   348
NTDB id 1401 DSB67 RS12665 WP 010643259.1   MRVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINI   348
NTDB id 1293 VP RS12240 WP 005479695.1      MRVSTLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINI   348
NTDB id 1110 NGFG RS09235 WP 003689817.1    FRVSTLPTLFGEKVVMRILNSDAASLNIDQLGFEPFQKKLLLEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNI   339
NTDB id 1251 GCO85 RS07725 WP 011946523.1   FRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNI   357
NTDB id 1018 ACIAD RS01685 WP 004920473.1   FRVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQKALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANI   352
NTDB id 1058 ABD1 RS01615 WP 001274986.1    FRVNSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQKALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNI   352
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 1355 HI 0298 AAC21962.1             MTAEDPIEIELDGIIQSQINPQIGLDFNRLLRTFLRQDPDIIMLGEIRDEESAMIALRAAQTGHLVLSTLHTNDAISAIS   368
NTDB id 1366 NTHI RS01950 WP 011271972.1    MTAEDPIEIELDGIIQSQINPQIGLDFSRLLRAFLRQDPDIIMLGEIRDEESARIALRAAQTGHLVLSTLHTNDAISAIS   368
NTDB id 1468 ASU2 RS05090 WP 014991734.1    LTAEDPIEIEIEGIIQTQVNRAIQLDFSQLLRTFLRQDPDIIMLGEIRDQESAEIALRAAQTGHLVLSTLHTNDAPSAIE   363
NTDB id 1384 A4U84 RS08525 WP 010787006.1   LTAEDPVEIEIDGLIQTQVNRSIQLDFSQLLRTFLRQDPDIIMLGEIRDEESAKMALRASQTGHLVLSTLHTNDALSAVE   363
NTDB id 1410 SGL RS13950 WP 010873519.1     NTAEDPIEYALPGITQVQVIREKGMDFSNILRAFMRQDPDVILVGETRDKETAKTAIEAALTGHLVLTTLHTNDAAGAIA   479
NTDB id 29154 EAE RS11550 WP 015704408.1    CSVEDPLEIPLTGLNQTQINPRSGLTFQSVLRALLRQDPDIVMVGEIRDAETAEIAIKAAQTGHLVLSTLHTNSTSETLI   326
NTDB id 1436 BW25113 RS00530 WP 001025145.1 CSVEDPVEIPIAGLNQTQIHPRAGLTFQGVLRALLRQDPDVIMIGEIRDGETAEIAIKAAQTGHLVLSTLHTNSTCETLV   326
NTDB id 1168 A1552VC RS11070 WP 000957200.1 STAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVI   428
NTDB id 1401 DSB67 RS12665 WP 010643259.1   STAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVI   428
NTDB id 1293 VP RS12240 WP 005479695.1      STAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETII   428
NTDB id 1110 NGFG RS09235 WP 003689817.1    ATAEDPAEINLPGINQVNVNDKQGLTFAAALKSFLRQDPDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLS   419
NTDB id 1251 GCO85 RS07725 WP 011946523.1   STAEDPVEIKVPGINQVNINPKAGLTFSGALRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLN   437
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NTDB id 1058 ABD1 RS01615 WP 001274986.1    STAEDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLT   432
consensus                                    **!!!*!*  *  !**!  ********  !   *!****!!!!!****!!*!!  **!**!**!**!!!*!**!!!!!  *   **
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logo

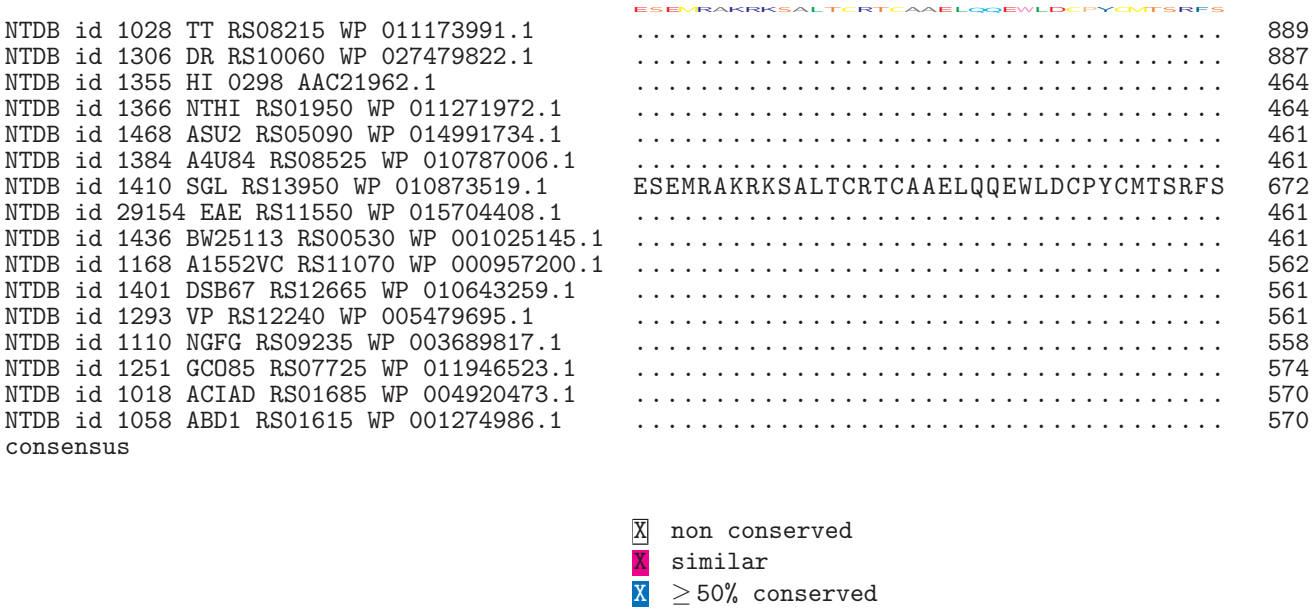


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NTDB id 1306 DR RS10060 WP 027479822.1     RLEEMGIENFNISAAVMGVLAQRLVRRVCSECKQPT.NADPEVLRRLGISERD.....IR....GANLMRGTGC  813
NTDB id 1355 HI 0298 AAC21962.1            RLQQLGIQQYEIKNSLLLVIAQRLVRKLCSKCGGNL.....................................A  405
NTDB id 1366 NTHI RS01950 WP 011271972.1   RLQQLGIQQHEIENSLLLVIAQRLVRKICPKCGGNL.....................................I  405
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NTDB id 1384 A4U84 RS08525 WP 010787006.1  RLLQLGIQEYEIQNSLLLVIAQRLVRKLCKKCRGVG.....................................C  400
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NTDB id 1436 BW25113 RS00530 WP 001025145.1 RLQQMGVARWMLSSALTLVIAQRLVRKLCPHCRRQQGEPIHIP........DN.....VWPSPL..PHWQAPGC  385
NTDB id 1168 A1552VC RS11070 WP 000957200.1 RLANMGVEPFNLASSLSLIIAQRLARRLCKHCKIAV.RPSALLQSQFAFQPNE.....IL.....YEANAAGC  490
NTDB id 1401 DSB67 RS12665 WP 010643259.1  RLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQ.EPNSQLQH.IGIANTE.....QI.....FQANPDGC  489
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NTDB id 1058 ABD1 RS01615 WP 001274986.1   RLRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIPA.DIPKQSLLEMGFTEQD.....LAHPDF..RVFQPVGC  498
consensus                                  !* **!*  *** *** ****!!!*!**!  !*         *   *         *          **
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NTDB id 1366 NTHI RS01950 WP 011271972.1   NSCDCH.QGYRGRIGVYQFLHWQQN.............GY......QTDFENLRESGLEKVSQGITDEKEIERVLGKNS..  464
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consensus                                      !   !**!!*******     *   *        **   *    ** ***  ***  **  ***!**  !*  ***
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NTDB id 1028 TT RS08215 WP 011173991.1 889
NTDB id 1306 DR RS10060 WP 027479822.1 887
NTDB id 1355 HI 0298 AAC21962.1 464
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NTDB id 1468 ASU2 RS05090 WP 014991734.1 461
NTDB id 1384 A4U84 RS08525 WP 010787006.1 461
NTDB id 1410 SGL RS13950 WP 010873519.1 ESEMRAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS 672
NTDB id 29154 EAE RS11550 WP 015704408.1 461
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NTDB id 1251 GCO85 RS07725 WP 011946523.1 574
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NTDB id 1058 ABD1 RS01615 WP 001274986.1 570
consensus
X non conserved
X similar
X ≥ 50% conserved