logo

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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 1366 NTHI RS01950 WP 011271972.1     ..........................................................................    0
NTDB id 1355 HI 0298 AAC21962.1              ..........................................................................    0
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ..........................................................................    0
NTDB id 1468 ASU2 RS05090 WP 014991734.1     ..........................................................................    0
NTDB id 73744 AU24 RS00745 WP 000650595.1    ..........................................................................    0
NTDB id 1436 BW25113 RS00530 WP 001025145.1  ..........................................................................    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 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 1410 SGL RS13950 WP 010873519.1      ..........................................................................    0
NTDB id 1028 TT RS08215 WP 011173991.1       ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P   158
NTDB id 1306 DR RS10060 WP 027479822.1       RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA   157
NTDB id 1366 NTHI RS01950 WP 011271972.1     ..........................................................................    0
NTDB id 1355 HI 0298 AAC21962.1              ..........................................................................    0
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ..........................................................................    0
NTDB id 1468 ASU2 RS05090 WP 014991734.1     ..........................................................................    0
NTDB id 73744 AU24 RS00745 WP 000650595.1    ..........................................................................    0
NTDB id 1436 BW25113 RS00530 WP 001025145.1  ..........................................................................    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 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 1410 SGL RS13950 WP 010873519.1      ..........................................................................  0
NTDB id 1028 TT RS08215 WP 011173991.1       SGEGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILV.RKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAA  237
NTDB id 1306 DR RS10060 WP 027479822.1       SDAGRTGGKLGERLITHGYITDAQLQVALDAQQQTGEALGATLISQRAITEDQLYEVLAEQEGTTFLPNPSGFHPGEEVL  237
NTDB id 1366 NTHI RS01950 WP 011271972.1     ..........................................................................  0
NTDB id 1355 HI 0298 AAC21962.1              ..........................................................................  0
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ..........................................................................  0
NTDB id 1468 ASU2 RS05090 WP 014991734.1     ..........................................................................  0
NTDB id 73744 AU24 RS00745 WP 000650595.1    ..........................................................................  0
NTDB id 1436 BW25113 RS00530 WP 001025145.1  ..........................................................................  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 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 1410 SGL RS13950 WP 010873519.1      ..........................................................................MTS    3
NTDB id 1028 TT RS08215 WP 011173991.1       LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWEELFRRAYPQKNRLGEVLVQEGKLSR  317
NTDB id 1306 DR RS10060 WP 027479822.1       GSMLRADALRLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPQRGRLGEQLVQEGTLSR  317
NTDB id 1366 NTHI RS01950 WP 011271972.1     ..........................................................................  0
NTDB id 1355 HI 0298 AAC21962.1              ..........................................................................  0
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ..........................................................................  0
NTDB id 1468 ASU2 RS05090 WP 014991734.1     ..........................................................................  0
NTDB id 73744 AU24 RS00745 WP 000650595.1    ..........................................................................  0
NTDB id 1436 BW25113 RS00530 WP 001025145.1  ..........................................................................  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 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 1410 SGL RS13950 WP 010873519.1     SSSSKKSRAVALRNYFSPFGNKLVAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLY    83
NTDB id 1028 TT RS08215 WP 011173991.1      EALKEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLV..QSGKLRPEALAQA.......VATQL   388
NTDB id 1306 DR RS10060 WP 027479822.1      DQLREALQVQAREGKVKPLGEVITELGFASPDEVDSALQKQNVGGGRLEDTLV..QSGKLSPEMLARS.......LAAQL   388
NTDB id 1366 NTHI RS01950 WP 011271972.1    ..................................................MTSYA......LLHTQRVTAQ.......NGEIF    20
NTDB id 1355 HI 0298 AAC21962.1             ..................................................MTSYA......LLHTQRVTAK.......NGEVF    20
NTDB id 1384 A4U84 RS08525 WP 010787006.1   ..................................................MSQYT..........ICEQQ.......TERIF    15
NTDB id 1468 ASU2 RS05090 WP 014991734.1    ..................................................MQYS..........VCDMN.......SQQVF    14
NTDB id 73744 AU24 RS00745 WP 000650595.1   ................................................................................     0
NTDB id 1436 BW25113 RS00530 WP 001025145.1 ................................................................................     0
NTDB id 1168 A1552VC RS11070 WP 000957200.1 ..............MLTNLVAILRQAELISATQEQAVVTQVSASGTSVPEALL..ELSIFHAQELTEQ.......LSHIF    57
NTDB id 1293 VP RS12240 WP 005479695.1      ..............MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALL..SSGFFTSSELAEH.......LSSIF    57
NTDB id 1401 DSB67 RS12665 WP 010643259.1   ..............MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALL..SSGFFQSHELTEH.......LSSVF    57
NTDB id 1251 GCO85 RS07725 WP 011946523.1   ......MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIV..KNKILSAEQIALT.......AAQNF    65
NTDB id 1018 ACIAD RS01685 WP 004920473.1   ......MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLI..DNFSISPLTIAEI.......ISLEF    65
NTDB id 1058 ABD1 RS01615 WP 001274986.1    ......MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLI..EEVHLSPSLLAET.......ISAEF    65
consensus                                           *                       *   *           *                   *
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NTDB id 1410 SGL RS13950 WP 010873519.1     GVDSVDPEVAPIATQQMAELIGRFFPLDTCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKGF..ELRRL   161
NTDB id 1028 TT RS08215 WP 011173991.1      GYPYVDPEEDPPD.....PGAPLLLPEDLCRRYGVFPHRLEG...NRLVLLLMKDPRNILALDDVRLALKRKGLNYEVAPA   460
NTDB id 1306 DR RS10060 WP 027479822.1      GYEFLDPIQNPPD.....PKVALMIPEATARRYVVVPVRLQG...NSLVVAMKDPRNVFALDDLKLITG.....KEILPA   455
NTDB id 1366 NTHI RS01950 WP 011271972.1    ........TISPD.....LWERNQQQQSLLLRYFALPLKEEN...NRLWLGVDSLSNLSACETIAFITG.....KPVEPI    79
NTDB id 1355 HI 0298 AAC21962.1             ........TISPD.....LWERNQQQQSLLLRYFALPLKEEN...NRLWLGVDSLSNLSACETIAFITG.....KPVEPI    79
NTDB id 1384 A4U84 RS08525 WP 010787006.1   ........DISPS.....RWQKNCEEKQLLLRYLAVPVQETE...HKLWLAVDDENNLTACEIFAFMTH.....KQIEPV    74
NTDB id 1468 ASU2 RS05090 WP 014991734.1    ........DISES.....LWQKNCDEKHILLRYLAIPIQEND...DTLWLAIDDMNNLSACEIFAFIAH.....KTIEPV    73
NTDB id 73744 AU24 RS00745 WP 000650595.1   ....................MKDAQLNTLCQRHQAVLINSAS...NSITVAVVDAPSHALLDALHFATQ.....KQIDIV    52
NTDB id 1436 BW25113 RS00530 WP 001025145.1 ....................MNIPQLTALCLRYHGVLLDASE...EVVHVAVVDAPSHELLDALHFATT.....KRIEIT    52
NTDB id 1168 A1552VC RS11070 WP 000957200.1 GLPETDLSRYDYA.....NLCQQLGLRELITRYDALPIAKQG...NLLLLAVSDPTLLQAEEEFRFATG.....LQVELA   124
NTDB id 1293 VP RS12240 WP 005479695.1      GLSQPELSQYEYA.....SLCQQLGLRELITRHNALPLHRTP...STLLLAVADPTNQQAEDDFRFATG.....LQVELV   124
NTDB id 1401 DSB67 RS12665 WP 010643259.1   GLSCTSLNQYEYA.....SLCQTLGLRDLITRHNALPLNRTS...STLILAVADPTNLQAEDDFRFATG.....LQVELV   124
NTDB id 1251 GCO85 RS07725 WP 011946523.1   GVPMLDINCIDVG.....TIPVNLVNEKLIKRHAMVPLFSRG...TNLYLATDDPSKQASLKEIQFHTG.....LNTHAI   132
NTDB id 1018 ACIAD RS01685 WP 004920473.1   GEPLLDLGVFDPA.....LFLKDKIDEKLIQKYRIMPLVHRG...HVLYVATSNPTNIEAMDAIRFNSK.....LKVEPI   132
NTDB id 1058 ABD1 RS01615 WP 001274986.1    AEPYFDLDVYDTS.....QIPKDLVDQKLILKHRILPLIQRG...QILYVATSNPSNIEAIDAIRFNSK.....LLVEPV   132
consensus                                   *                  **  **  ****          *  ***  **  **  *  *  *  *  *         **  *
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NTDB id 1410 SGL RS13950 WP 010873519.1     VVTQDDFNQLLEQYYAIREEWEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDKEDVDNALDSNDANQAPVINLVNKIL  241
NTDB id 1028 TT RS08215 WP 011173991.1      VATEAAITKLIERFYGKAELSEIAKEFAK.................KQ.....AEEEV..PSPLELDESAAQKFVKQVI  515
NTDB id 1306 DR RS10060 WP 027479822.1      VMAEKDIIRLIERYFGEKGFEKLNKELAE.................RN.....KTQQSQEADLSVADESALVQVVDSII  512
NTDB id 1366 NTHI RS01950 WP 011271972.1    LLESSQLKELLQQLTPHQMQVEEQVK.....................FYQHQETHFEQEDDEPVIRLLNQIF  130
NTDB id 1355 HI 0298 AAC21962.1             LLESSQLKELLQQLTPNQMQVEEQVK.....................FYQHQETHFEQEDDEPVIRLLNQIF  130
NTDB id 1384 A4U84 RS08525 WP 010787006.1   VIASDELKYLLNALSPEQQPIYEESE.....................LAFVEQE.QEQLNLNDPIIQLLDNLF  125
NTDB id 1468 ASU2 RS05090 WP 014991734.1    LISSDELKYLLNQLSPEQQSLYEETE.....................LNYQSPDNLDLLNQNDPIIQILDNLF  125
NTDB id 73744 AU24 RS00745 WP 000650595.1   CWTRQQMENHR.....................................HKPDQAPSANAAKGGETAAQLLNQTL   89
NTDB id 1436 BW25113 RS00530 WP 001025145.1 CWTRQQMEGHA.....................................SRTQQTLPVAVQEKHQPKAELLTRTL   89
NTDB id 1168 A1552VC RS11070 WP 000957200.1 LADHRALQAAIRRLYGRSIQGAANQGK..E.ISQDELA......NLVKV.....SDDELQSIEDLSQDDSPVSRFINQVL  190
NTDB id 1293 VP RS12240 WP 005479695.1      LADFRELSTAIRRLYGRSLSHEKSGLK..E.INQEELA......SLVDV.....GADEIDNIEDLSQDESPVSRYINQIL  190
NTDB id 1401 DSB67 RS12665 WP 010643259.1   LADFRELTAAIRRLYGRSLGQEKSGLK..E.INQDELA......GLVDI.....GEDEIENIEDLSQDESPVSRYINQIL  190
NTDB id 1251 GCO85 RS07725 WP 011946523.1   VVETDKLSALIDNLLTAKESQGLSEYVEDS.GDLEGLE......ISAD......DEDQDIDTATSVTDDAPIVKFVNKIL  199
NTDB id 1018 ACIAD RS01685 WP 004920473.1   IVEHDKLERLLSEHFVEETHFNFDTE...E.LD...LD......VEVDP.....HTTDDDDEDDKLKDEAPIVKYINKLL  194
NTDB id 1058 ABD1 RS01615 WP 001274986.1    IVEHHKLEKVLGQHFAEESSFDFNDE...E.FD...LD......VNLDG.....PTAQEDEEEAPQGDEAPIVKYINKLL  194
consensus                                   **     *  **                                ** **** *****
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NTDB id 1410 SGL RS13950 WP 010873519.1     AKALQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQG.RKVDF  320
NTDB id 1028 TT RS08215 WP 011173991.1      REAFLQDASDIHIEPRQNDVQVRLRIDGALRPY.STLPKGALNAVISVVKIMGGLNIAEKRLPQDGRVRYREGA.IDVDL  593
NTDB id 1306 DR RS10060 WP 027479822.1      REAALQDASDIHIETTEDAVKVRYRIDGALREQ.NSFPKGAAQQIMARLKIMGHLDIAERRVPQDGRVRFKKGS.IDLDL  590
NTDB id 1366 NTHI RS01950 WP 011271972.1    ESALQKNASDIHLETLADQFQVRFRIDGVLQPQ.PLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTFSDILDF  209
NTDB id 1355 HI 0298 AAC21962.1             ESALQKNASDIHLETLADQFQVRFRIDGVLQPQ.PLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTFSDILDF  209
NTDB id 1384 A4U84 RS08525 WP 010787006.1   KFCLAQNASDIHIEPRKQKLIRLRIDGVLHLY.KSLSIQLASRLISRIKLLAKLDISELRQPQDGQFSFTTALADTLDF  204
NTDB id 1468 ASU2 RS05090 WP 014991734.1    KFCLKQNASDIHFEPQKEKLQIRLRIDGVLHIY.KSLSFSLANRIITRLKLLAKLDISETRLPQDGQFNFKTVTAETLDF  204
NTDB id 73744 AU24 RS00745 WP 000650595.1   RSAMAKRASDIHLEPGASRYRIRLRIDGVLHIL.QDIAKETGLALTARLKVLGNLDIAEHRLPQDGQFTVDLAG.DSISF  167
NTDB id 1436 BW25113 RS00530 WP 001025145.1 QSALEQRASDIHIEPADNAYRIRLRIDGVLHPL.PDVSPDAGVALTARLKVLGNLDIAEHRLPQDGQFTVELAG.NAVSF  167
NTDB id 1168 A1552VC RS11070 WP 000957200.1 LDAVRKGASDIHFEPYENQYRIRLRCDGILVET.QQPASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSRDTAIDM  269
NTDB id 1293 VP RS12240 WP 005479695.1      LDAVRKGASDIHFEPYEKMYRVRLRCDGILIET.QQPPNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQDTAIDM  269
NTDB id 1401 DSB67 RS12665 WP 010643259.1   LDAVRKGASDIHFEPYENMYRVRLRCDGILIEI.QQPPSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQDTAIDM  269
NTDB id 1251 GCO85 RS07725 WP 011946523.1   LDAIRQGASDIHFEPYEREYRIRYRQDGILHEV.ATPPASLSSRITARIKVMSNLDISERRIPQDGGFKMKISKSRAIDF  278
NTDB id 1018 ACIAD RS01685 WP 004920473.1   IDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLI.ATPPLQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSKSKTIDF  273
NTDB id 1058 ABD1 RS01615 WP 001274986.1    IDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQI.ANPPLQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSKSKAIDF  273
consensus                                     **   *!!*! !* *  ***! !*!!*!          ** **  **!*** **! !*!*!!!!* * *       ***
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NTDB id 1410 SGL RS13950 WP 010873519.1    RVNTLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELAARPYGLMLVTGPTGSGKSTTLYSVLAERNSPEVNIN  400
NTDB id 1028 TT RS08215 WP 011173991.1     RLSTLPTVYGEKAVMRLLKKASDIPEIEDLGFAPGVFERFKEVISKPYGIFLITGPTGSGKSFTTFSILKRIATPDKNTQ  673
NTDB id 1306 DR RS10060 WP 027479822.1     RLSTLPTVYGEKAVMRLLQKASNIPELEQLGFSEYNYARYTEIIERPNGIFLVTGPTGSGKSFTCFSTLKRIAKPEKNTT  670
NTDB id 1366 NTHI RS01950 WP 011271972.1   RLSTLPTHWGEKIVLRAQQNKPVELSFAELGMTENQQQAFQRSLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIM  289
NTDB id 1355 HI 0298 AAC21962.1            RLSTLPTHWGEKIVLRAQQNKPVELSFSELGMTENQQQAFQRVLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIM  289
NTDB id 1384 A4U84 RS08525 WP 010787006.1  RVSSLPTIYGEKLVLRLQKNKPTSFDFLQLGFNPQQQTTLLNALKQPQGLILVTGPTGSGKSITLYSALNYLNQMDKHIL  284
NTDB id 1468 ASU2 RS05090 WP 014991734.1   RVSSLPTSFGEKIVLRLQKNKPTHFDFLELGFSPEQKQLLLTALHQPQGLILVTGPTGSGKSITLYSALNYLNNSERHIL  284
NTDB id 73744 AU24 RS00745 WP 000650595.1  RIATLPCKEGEKVVLRLLHQVEQTLDLDTLGMYGAQLTAFRQALQQPQGLVLVTGPTGSGKTVTLYSALQTRNTPGINLC  247
NTDB id 1436 BW25113 RS00530 WP 001025145.1 RIATLPCRGGEKVVLRLLQQVGQALDVNTLGMQPLQLADFAHALQQPQGLVLVTGPTGSGKTVTLYSALQKLNTADINIC  247
NTDB id 1168 A1552VC RS11070 WP 000957200.1 RVSTLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINIS  349
NTDB id 1293 VP RS12240 WP 005479695.1     RVSTLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINIS  349
NTDB id 1401 DSB67 RS12665 WP 010643259.1  RVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINIS  349
NTDB id 1251 GCO85 RS07725 WP 011946523.1  RVSTCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNIS  358
NTDB id 1018 ACIAD RS01685 WP 004920473.1  RVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQKALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANIS  353
NTDB id 1058 ABD1 RS01615 WP 001274986.1   RVNSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQKALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNIS  353
consensus                                  !****!* *!!!***!**      ****  !**    *   *  ** *!*!**!*!!!!!!!!*******!* ***  * **
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NTDB id 1410 SGL RS13950 WP 010873519.1    TAEDPIEYALPGITQVQVIREKGMDFSNILRAFMRQDPDVILVGETRDKETAKTAIEAALTGHLVLTTLHTNDAAGAIAR  480
NTDB id 1028 TT RS08215 WP 011173991.1     TIEDPVEYEIPGINQTQVNPQAGLTFARALRAFLRQDPDIIMVGEIRDSETAKIATEAALTGHLVIATLHTNDAAQAITR  753
NTDB id 1306 DR RS10060 WP 027479822.1     TIEDPIEYEVPGIVQSQVNNSTGMTFARALRAFLRQDPDIIFVGEIRDQETAKIAVEAALTGHMVLATLHTNDAPGAVTR  750
NTDB id 1366 NTHI RS01950 WP 011271972.1   TAEDPIEIELDGIIQSQINPQIGLDFSRLLRAFLRQDPDIIMLGEIRDEESARIALRAAQTGHLVLSTLHTNDAISAISR  369
NTDB id 1355 HI 0298 AAC21962.1            TAEDPIEIELDGIIQSQINPQIGLDFNRLLRTFLRQDPDIIMLGEIRDEESAMIALRAAQTGHLVLSTLHTNDAISAISR  369
NTDB id 1384 A4U84 RS08525 WP 010787006.1  TAEDPVEIEIDGLIQTQVNRSIQLDFSQLLRTFLRQDPDIIMLGEIRDEESAKMALRASQTGHLVLSTLHTNDALSAVER  364
NTDB id 1468 ASU2 RS05090 WP 014991734.1   TAEDPIEIEIEGIIQTQVNRAIQLDFSQLLRTFLRQDPDIIMLGEIRDQESAEIALRAAQTGHLVLSTLHTNDAPSAIER  364
NTDB id 73744 AU24 RS00745 WP 000650595.1  SVEDPIEIPLDGINQTQIHPRAGLTFQNVLRALLRQDPDIIMVGEIRDGDTAEIAIKAAQTGHLVLSTLHTNSTSETLIR  327
NTDB id 1436 BW25113 RS00530 WP 001025145.1 SVEDPVEIPIAGLNQTQIHPRAGLTFQGVLRALLRQDPDVIMIGEIRDGETAEIAIKAAQTGHLVLSTLHTNSTCETLVR  327
NTDB id 1168 A1552VC RS11070 WP 000957200.1 TAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIR  429
NTDB id 1293 VP RS12240 WP 005479695.1     TAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIR  429
NTDB id 1401 DSB67 RS12665 WP 010643259.1  TAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIR  429
NTDB id 1251 GCO85 RS07725 WP 011946523.1  TAEDPVEIKVPGINQVNINPKAGLTFSGALRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLNR  438
NTDB id 1018 ACIAD RS01685 WP 004920473.1  TAEDPVEINLEGVNQVNVNPKVGLTFAAALRSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLTR  433
NTDB id 1058 ABD1 RS01615 WP 001274986.1   TAEDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQDPDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLTR  433
consensus                                  **!!!*!* * !**!  **** ***  !   !****!!!!!****!!*!! **!**!**!**!!!*!**!!!!! *   * !
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NTDB id 1410 SGL RS13950 WP 010873519.1     LDEMGVEPFMVSGSLLGVLAQRLMRKVCTECRIAYHPS.KEELSRFGLSASGDEVVTFYKANSLSPDEIHLARQKGNLCQ   559
NTDB id 1028 TT RS08215 WP 011173991.1      LDEMGVEPFNISAALIGVLSQRLVRRVCEHCKVEVKPD.PETLRRLGLSEAEIQ...........GA....RLYKGMGCE   817
NTDB id 1306 DR RS10060 WP 027479822.1      LEEMGIENFNISAAVMGVLAQRLVRRVCSECKQPTNAD.PEVLRRLGISERDIR...........GA....NLMRGTGCP   814
NTDB id 1366 NTHI RS01950 WP 011271972.1    LQQLGIQQHEIENSLLLVIAQRLVRKICPKCGGNLI.....................................NSC   408
NTDB id 1355 HI 0298 AAC21962.1             LQQLGIQQYEIKNSLLLVIAQRLVRKLCSKCGGNLA.....................................NSC   408
NTDB id 1384 A4U84 RS08525 WP 010787006.1    LLQLGIQEYEIQNSLLLVIAQRLVRKLCKKCRGVGC.....................................D   401
NTDB id 1468 ASU2 RS05090 WP 014991734.1     LLQLGIKEYEIKNSLQLIIAQRLLRKRCPQCGGKGC.....................................D   401
NTDB id 73744 AU24 RS00745 WP 000650595.1    LQQMGVARWMISSALTLVVAQRLVRKLCPHCKQRLSDPV........VLSPNLW...........PS..ALPRWQANGCQ   386
NTDB id 1436 BW25113 RS00530 WP 001025145.1  LQQMGVARWMLSSALTLVIAQRLVRKLCPHCRRQQGEPI........HIPDNVW...........PS..PLPHWQAPGCV   386
NTDB id 1168 A1552VC RS11070 WP 000957200.1  LANMGVEPFNLASSLSLIIAQRLARRLCKHCKIAVRP.SALLQSQFAFQPNEI.....................LYEANAAGCN   491
NTDB id 1293 VP RS12240 WP 005479695.1       LSNMGVESFNLASSLSLIIAQRLARKLCPYCKQPQEH.TVQL.QHLGIQTTDN.....................IFRANPDGCN   490
NTDB id 1401 DSB67 RS12665 WP 010643259.1    LSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQEP.NSQL.QHIGIANTEQ.....................IFQANPDGCN   490
NTDB id 1251 GCO85 RS07725 WP 011946523.1    LVNMGIPTFNIASSVTLIIAQRLARKLCNQCKAVRDDFTNQGLIELGFKEADLV.................NLKLYKAVGCE   503
NTDB id 1018 ACIAD RS01685 WP 004920473.1    LRNMGVASFNIATSVNLVIAQRLARRLCSQCKRPI.QVPERSLLEMGFTPEDLA...........QP..EFQIFEPVGCH   499
NTDB id 1058 ABD1 RS01615 WP 001274986.1     LRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIPA.DIPKQSLLEMGFTEQDLA...........HP..DFRVFQPVGCL   499
consensus                                    ! **!*  * *  ** ****!!!*!**!  !*          *                          **
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NTDB id 1410 SGL RS13950 WP 010873519.1     KCSGSGYKGRVGVYEVMRNSERIAELINQGATTDRIKDCAV.EEGMITLLAYSLNLVQEGYTTLEEVERVTFTDTGLESE   638
NTDB id 1028 TT RS08215 WP 011173991.1      RCGGTGYKGRYAIHELLVVDDEIRHAIVAGKSATEIKEIAR.RKGMKTLREDGLYKALQGITTLEEVLARTIE.......   889
NTDB id 1306 DR RS10060 WP 027479822.1      RCGGTGYKGRMGIHELMVMDDSLRRTIGAGRPAAEIRDVALGESGLRSLRQDGIEKALQGLTTLEEVLAVTAS.......   887
NTDB id 1366 NTHI RS01950 WP 011271972.1    DCH.QGYRGRIGVYQFLHWQQN.............GY......QTDFENLRESGLEKVSQGITDEKEIERVLGKNS.....   464
NTDB id 1355 HI 0298 AAC21962.1             DCH.QGYRGRIGVYQFLHWQQN.............DY......QTDFKNLRASGLEKVSQGITDEKEIERVLGKNL.....   464
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NTDB id 1468 ASU2 RS05090 WP 014991734.1     NCY.HGYKGRTGIYQLLAKQGK.............FFEKSTA.YLDYDNLRASAEQKLAANITTVDEVKRVLGDG......   461
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NTDB id 1168 A1552VC RS11070 WP 000957200.1  ECT.GGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAK.ANGMQTLQESGLEKLREGITSFAELQRVLYF.......   562
NTDB id 1293 VP RS12240 WP 005479695.1       ECT.HGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAI.ANGMSTLQMSGIEKLKQGITSFSELQRVLYF.......   561
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NTDB id 1251 GCO85 RS07725 WP 011946523.1    QCT.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQ.SEGMLTIFQSGIEKVKEGITTIEEVNRVTVD.......   574
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consensus                                     !   !**!!*******     *   *        *   *    *  **  ***  **  ***!*   !*  ***
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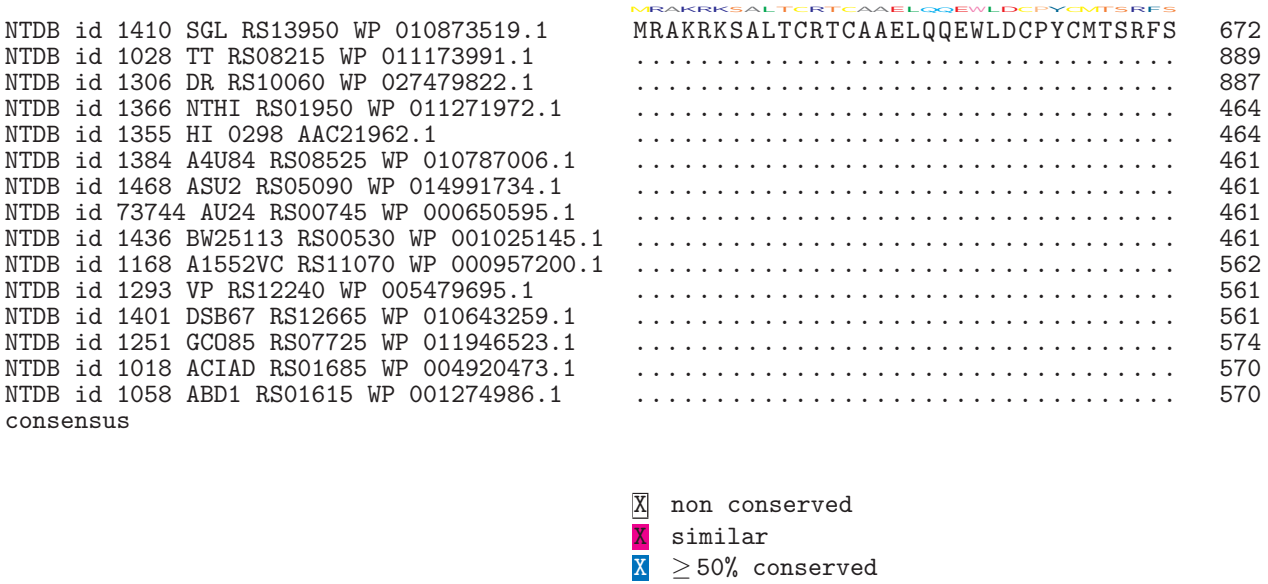
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NTDB id 1384 A4U84 RS08525 WP 010787006.1 461
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consensus
X non conserved
X similar
X ≥ 50% conserved