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NTDB id 1028 TT RS08215 WP 011173991.1       MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK   80
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 82951 RG58 RS21910 WP 001025154.1    ................................................................................   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       ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG   160
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 82951 RG58 RS21910 WP 001025154.1    ................................................................................   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       EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL   240
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 82951 RG58 RS21910 WP 001025154.1    ................................................................................   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       LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWEELFRRAYPQKNRLGEVLVQEGKLSREAL   320
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 82951 RG58 RS21910 WP 001025154.1    ................................................................................   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       KEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQSGKLRPEALAQAVATQLGYPYVDPEEDPP   400
NTDB id 1366 NTHI RS01950 WP 011271972.1     ..............................................MTSY....ALLHTQRVTAQNGEIFTI.........SP    24
NTDB id 1355 HI 0298 AAC21962.1              ..............................................MTSY....ALLHTQRVTAKNGEVFTI.........SP    24
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ..............................................MSQY....T.....ICEQQTERIFDI.........SP    19
NTDB id 1468 ASU2 RS05090 WP 014991734.1     ..............................................MQY....S.....VCDMNSQQVFDI.........SE    18
NTDB id 82951 RG58 RS21910 WP 001025154.1    ..........................................................................MNIPQL.......     6
NTDB id 1436 BW25113 RS00530 WP 001025145.1  ..........................................................................MNIPQL.......     6
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ..........MLTNLVAILRQAELISATQEQAVVTQVSASGTSVPEALLELSIFHAQELTEQLSHIFGLPETDLSRYDY    69
NTDB id 1401 DSB67 RS12665 WP 010643259.1    ..........MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLSCTSLNQYEY    69
NTDB id 1293 VP RS12240 WP 005479695.1       ..........MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLSSGFFTSSELAEHLSSIFGLSQPELSQYEY    69
NTDB id 1110 NGFG RS09235 WP 003689817.1     ..........MSVGLLRILVQNQVVTVEQAEHYY.NESQAGKEVLPMLFSDGVISPKSLAALIARVFSYSILDLRHYPR    68
NTDB id 1251 GCO85 RS07725 WP 011946523.1    ...MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAQNFGVPMLDINCIDV    77
NTDB id 1018 ACIAD RS01685 WP 004920473.1    ...MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEIISLEFGEPLLDLGVFDP    77
NTDB id 1058 ABD1 RS01615 WP 001274986.1     ...MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAEFAEPYFDLDVYDT    77
consensus                                                *                *    *            *       **  *
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NTDB id 1028 TT RS08215 WP 011173991.1       DPGAPLLLPEDLCRRYGVFPHRLEGNRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPAVATEAAITKLIERFYGKAEL   480
NTDB id 1366 NTHI RS01950 WP 011271972.1     DLWERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGK.....PVEPILLESSQLKELLQQLTPHQMQ    99
NTDB id 1355 HI 0298 AAC21962.1              DLWERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGK.....PVEPILLESSQLKELLQQLTPNQMQ    99
NTDB id 1384 A4U84 RS08525 WP 010787006.1    SRWQKNCEEKQLLLRYLAVPVQETEHKLWLAVDDENNLTACEIFAFMTHK.....QIEPVVIASDELKYLLNALSPEQQP    94
NTDB id 1468 ASU2 RS05090 WP 014991734.1     SLWQKNCDEKHILLRYLAIPIQENDDTLWLAIDDMNNLSACEIFAFIAHK.....TIEPVLISSDELKYLLNQLSPEQQS    93
NTDB id 82951 RG58 RS21910 WP 001025154.1    .........TALCLRYHGVLLDASEEVVHVAVVDAPSHELLDALHFATTK.....RIEITCWTRQQMEGHA.........     63
NTDB id 1436 BW25113 RS00530 WP 001025145.1  .........TALCLRYHGVLLDASEEVVHVAVVDAPSHELLDALHFATTK.....RIEITCWTRQQMEGHA.........     63
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ANLCQQLGLRELITRYDALPIAKQGNLLLLAVSDPTLLQAEEEFRFATGL.....QVELALADHRALTQAAIRRLYGRSIQ   144
NTDB id 1401 DSB67 RS12665 WP 010643259.1    ASLCQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATGL.....QVELVLADFRELTAAIRRLYGRSLG   144
NTDB id 1293 VP RS12240 WP 005479695.1       ASLCQQLGLRELITRHNALPLHRTPSTLLLAVADPTNQQAEDDFRFATGL.....QVELVLADFRELSTAIRRLYGRSLS   144
NTDB id 1110 NGFG RS09235 WP 003689817.1     HRVLMGVLTEEQMVEFHCVPVFRRGDKVFFAVSDPTQMPQIQKTVSAAGI.....AVELVIVEDDQLAGLLDWVGSRSTS   143
NTDB id 1251 GCO85 RS07725 WP 011946523.1    GTIPVNLVNEKLIKRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGL.....NTHAIVVETDKLSALIDNLLTAKES   152
NTDB id 1018 ACIAD RS01685 WP 004920473.1    ALFLKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSKL.....KVEPIIVEHDKLERLLSEHFVEETH   152
NTDB id 1058 ABD1 RS01615 WP 001274986.1     SQIPKDLVDQKLILKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSKL.....LVEPVIVEHHKLEKVLGQHFAEESS   152
consensus                                          *****  ****       *****  *****  *  *  *  *  *        **  ****    *   **   *
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NTDB id 1028 TT RS08215 WP 011173991.1       SEIAKEF.............AKKQAEEEVPSPLELDESAAQKFVKQVIREAFLQDASDIHIEPRQNDVQVRLRIDGALRP  547
NTDB id 1366 NTHI RS01950 WP 011271972.1     VEEQVK.................FYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVLQP  162
NTDB id 1355 HI 0298 AAC21962.1              VEEQVK.................FYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVLQP  162
NTDB id 1384 A4U84 RS08525 WP 010787006.1    IYEESE................LAFVEQE.QEQLNLNDPIIQLLDNLFKFCLAQNASDIHIEPRKQKLIIRLRIDGVLHL  157
NTDB id 1468 ASU2 RS05090 WP 014991734.1     LYEETE................LNYQSPDNLDLLNQNDPIQILDNLFKFCLKQNASDIHFEPQKEKLQIRLRIDGVLHI  157
NTDB id 82951 RG58 RS21910 WP 001025154.1    ......................SRTQQTLPVAVQEKHQPKAELLTRTLQSALEQRASDIHIEPADNAYRIRLRIDGVLHP  121
NTDB id 1436 BW25113 RS00530 WP 001025145.1  ......................SRTQQTLPVAVQEKHQPKAELLTRTLQSALEQRASDIHIEPADNAYRIRLRIDGVLHP  121
NTDB id 1168 A1552VC RS11070 WP 000957200.1  GAANQGKEISQ..DELANLVKVSDDELQSIEDLSQDDSPVSRFINQVLLDAVRKGASDIHFEPYENQYRIRLRCDGILVE  222
NTDB id 1401 DSB67 RS12665 WP 010643259.1    QEKSGLKEINQ..DELAGLVDIGEDEIENIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCDGILIE  222
NTDB id 1293 VP RS12240 WP 005479695.1       HEKSGLKEINQ..EELASLVDVGADEIDNIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYEKMYRVRLRCDGILIE  222
NTDB id 1110 NGFG RS09235 WP 003689817.1     L..LQEL.........GEGQEEEESHTLYIDNEEAEDGPVPRFIHKTLSDALRSGASDIHFEFYEHNARIRFRVDGQLRE  212
NTDB id 1251 GC085 RS07725 WP 011946523.1    QGLSEYVEDSGDLEGLEISAD.DEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEPYEREYRIRYRQDGILHE  231
NTDB id 1018 ACIAD RS01685 WP 004920473.1    FNFDTE...ELD...LDVEVDPHTTDDDDEDDKLKDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRYRVDGVLRL  226
NTDB id 1058 ABD1 RS01615 WP 001274986.1     FDFNDE...EFD...LDVNLDGPTAQEDEEEAPQGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQ  226
consensus                                                                       ** ** ******* ****  !!!*!*!* *  ***!*!*!!*!
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NTDB id 1028 TT RS08215 WP 011173991.1       YSTLPKGALNAVISVVKIMGGLNIAEKRLPQDGRVRYREG..AIDVDLRLSTLPTVYGEKAVMRLLKKASDIPEIEDLGF  625
NTDB id 1366 NTHI RS01950 WP 011271972.1     QPLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTF.SDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFAELGM  241
NTDB id 1355 HI 0298 AAC21962.1              QPLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTF.SDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFSELGM  241
NTDB id 1384 A4U84 RS08525 WP 010787006.1    YKSLSIQLASRLISRIKLLAKLDISELRQPQDGQFSFTTAL.ADTLDFRVSSLPTIYGEKLVLRLQKNKPTSFDFLQLGF  236
NTDB id 1468 ASU2 RS05090 WP 014991734.1     YKSLSFSLANRIITRLKLLAKLDISETRLPQDGQFNFKTVT.AETLDFRVSSLPTSFGEKIVLRLQKNKPTHFDFLELGF  236
NTDB id 82951 RG58 RS21910 WP 001025154.1    LPDVSPDAGVALTARLKVLGNLDIAEHRLPQDGQFTVELA..GNAVSFRIATLPCRGGEKVVLRLLQQVSQALDVNTLGM  199
NTDB id 1436 BW25113 RS00530 WP 001025145.1  LPDVSPDAGVALTARLKVLGNLDIAEHRLPQDGQFTVELA..GNAVSFRIATLPCRGGEKVVLRLLQQVGQALDVNTLGM  199
NTDB id 1168 A1552VC RS11070 WP 000957200.1  TQQPASHLSRRLAARIKILSKLDIAERRLPQDGRIKLRLSR.DTAIDMRVSTLPTLWGEKIVLRLLDSSAANLDIDKLGY  301
NTDB id 1401 DSB67 RS12665 WP 010643259.1    IQQPPSHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSAALDINKLGY  301
NTDB id 1293 VP RS12240 WP 005479695.1       TQQPPNHLSRRLSARIKILSKLDIAERRLPQDGRIKLKLNQ.DTAIDMRVSTLPTLFGEKIVLRLLDSSSASLDIDKLGY  301
NTDB id 1110 NGFG RS09235 WP 003689817.1     VVQPPIAVRGQLASRIKVMSRLDISEKRIPQDGRMQLTFQKGGKPVDFRVSTLPTLFGEKVVMRILNSDAASLNIDQLGF  292
NTDB id 1251 GC085 RS07725 WP 011946523.1    VATPPASLSSRITARIKVMSNLDISERRIPQDGGFKMKISK.SRAIDFRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGF  310
NTDB id 1018 ACIAD RS01685 WP 004920473.1    IATPPLQLATRLASRLKVMSQMDISEKRVPQDGRIKLKMSK.SKTIDFRVNSLPTLFGEKIVLRILDPASAMLGIDALGY  305
NTDB id 1058 ABD1 RS01615 WP 001274986.1     IANPPLQLANRLASRLKVMSQMDISEKRVPQDGRIKLKLSK.SKAIDFRVNSLPTLFGEKLVLRILDPSSAMLGIDALGY  305
consensus                                           ** ** ***!** ***!*!*!*!!!!*  ***      ***!****!***!!!*!*!**      ***  !!*
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NTDB id 1028 TT RS08215 WP 011173991.1       APGVFERFKEVISKPYGIFLITGPTGSGKSFTTFSILKRIATPDKNTQTIEDPVEYEIPGINQTQVNPQAGLTFARALRA  705
NTDB id 1366 NTHI RS01950 WP 011271972.1     TENQQQAFQRSLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIMTAEDPIEIELDGIIQSQINPQIGLDFSRLLRA  321
NTDB id 1355 HI 0298 AAC21962.1              TENQQQAFQRVLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIMTAEDPIEIELDGIIQSQINPQIGLDFNRLLRT  321
NTDB id 1384 A4U84 RS08525 WP 010787006.1    NPQQQTTLLNALKQPQGLILVTGPTGSGKSITLYSALNYLNQMDKHILTAEDPVEIEIDGLIQTQVNRSIQLDFSQLLRT  316
NTDB id 1468 ASU2 RS05090 WP 014991734.1     SPEQKQLLLTALHQPQGLILVTGPTGSGKSITLYSALNYLNNSERHILTAEDPIEIEIEGIIQTQVNRAIQLDFSQLLRT  316
NTDB id 82951 RG58 RS21910 WP 001025154.1    QPLQLADFAHALQQPQGLVLVTGPTGSGKTVTLYSALQTLNTADINICSVEDPVEIPIAGLNQTQIHPRAGLTFQGVLRA  279
NTDB id 1436 BW25113 RS00530 WP 001025145.1  QPLQLADFAHALQQPQGLVLVTGPTGSGKTVTLYSALQKLNTADINICSVEDPVEIPIAGLNQTQIHPRAGLTFQGVLRA  279
NTDB id 1168 A1552VC RS11070 WP 000957200.1  NPQQKQLYLNALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRS  381
NTDB id 1401 DSB67 RS12665 WP 010643259.1    SDSQKQLYLDALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRS  381
NTDB id 1293 VP RS12240 WP 005479695.1       SEQQKQLYLEALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRS  381
NTDB id 1110 NGFG RS09235 WP 003689817.1     EPFQKKLLLEAIHRPYGMVLVTGPTGSGKTVSLYTCLNILNTESVNIATAEDPAEINLPGINQVNVNDKQGLTFAAALKS  372
NTDB id 1251 GC085 RS07725 WP 011946523.1    NPVQRTNFLKAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEDPVEIKVPGINQVNINPKAGLTFSGALRS  390
NTDB id 1018 ACIAD RS01685 WP 004920473.1    EPEQKALFMEALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANISTAEDPVEINLEGVNQVNVNPKVGLTFAAALRS  385
NTDB id 1058 ABD1 RS01615 WP 001274986.1     EEDQKALFMEALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFAAALKS  385
consensus                                     * **  ** ** *!*!**!*!!!!!!!!*******!* *** * ** **!!!*!* * !**! ******** !  *!**
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NTDB id 1028 TT RS08215 WP 011173991.1      FLRQDPDIIMVGEIRDSETAKIATEAALTGHLVIATLHTNDAAQAITRLDEMGVEPFNISAALIGVLSQRLVRRVCEHCK  785
NTDB id 1366 NTHI RS01950 WP 011271972.1    FLRQDPDIIMLGEIRDEESARIALRAAQTGHLVLSTLHTNDAISAISRLQQLGIQQHEIENSLLLVIAQRLVRKICPKCG  401
NTDB id 1355 HI 0298 AAC21962.1             FLRQDPDIIMLGEIRDEESAMIALRAAQTGHLVLSTLHTNDAISAISRLQQLGIQQYEIKNSLLLVIAQRLVRKLCSKCG  401
NTDB id 1384 A4U84 RS08525 WP 010787006.1   FLRQDPDIIMLGEIRDEESAKMALRASQTGHLVLSTLHTNDALSAVERLLQLGIQEYEIQNSLLLVIAQRLVRKLCKKCR  396
NTDB id 1468 ASU2 RS05090 WP 014991734.1    FLRQDPDIIMLGEIRDQESAEIALRAAQTGHLVLSTLHTNDAPSAIERLLQLGIKEYEIKNSLQLIIAQRLLRKRCPQCG  396
NTDB id 82951 RG58 RS21910 WP 001025154.1   LLRQDPDVIMIGEIRDGETAEIAIKAAQTGHLVLSTLHTNSTCETLVRLQQMGVARWMLSSALTLVIAQRLVRKLCPHCR  359
NTDB id 1436 BW25113 RS00530 WP 001025145.1 LLRQDPDVIMIGEIRDGETAEIAIKAAQTGHLVLSTLHTNSTCETLVRLQQMGVARWMLSSALTLVIAQRLVRKLCPHCR  359
NTDB id 1168 A1552VC RS11070 WP 000957200.1 FLRQDPDVVMVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIRLANMGVEPFNLASSLSLIIAQRLARRLCKHCK  461
NTDB id 1401 DSB67 RS12665 WP 010643259.1   FLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCR  461
NTDB id 1293 VP RS12240 WP 005479695.1      FLRQDPDVVMVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCK  461
NTDB id 1110 NGFG RS09235 WP 003689817.1    FLRQDPDIIMVGEIRDLETADIAIKAAQTGHMVFSTLHTNNAPATLSRMLNMGVAPFNIASSVSLIMAQRLLRRLCSSCK  452
NTDB id 1251 GCO85 RS07725 WP 011946523.1   FLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLNRLVNMGIPTFNIASSVTLIIAQRLARKLCNQCK  470
NTDB id 1018 ACIAD RS01685 WP 004920473.1   FLRQDPDIIMVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLTRLRNMGVASFNIATSVNLVIAQRLARRLCSQCK  465
NTDB id 1058 ABD1 RS01615 WP 001274986.1    FLRQDPDIIMVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLTRLRNMGVPSFNIATSVNLVIAQRLARRLCSQCK  465
consensus                                   *!!!!!!**!*!!!!!  **!**!**!**!!!*!**!!!!!  *  ***  !*  **!*  ***  ***  ****!!!*!**!  !*
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NTDB id 1028 TT RS08215 WP 011173991.1      VEV.KPDPETLRRLGLSEAEIQ..GARLYKGMGC..ERCGGTGYKGRYAIHELLVVDDEIRHAIVAGKSATEIKEIARRK  860
NTDB id 1366 NTHI RS01950 WP 011271972.1    GN.............................LINSCDCH.QGYRGRIGVYQFLHWQQN.............GY.....QT  433
NTDB id 1355 HI 0298 AAC21962.1             GN.............................LANSCDCH.QGYRGRIGVYQFLHWQQN.............DY.....QT  433
NTDB id 1384 A4U84 RS08525 WP 010787006.1   GV.............................GC..DECY.QGYRGRIGVYQCLSRTAK.............KFDKQTAYL  431
NTDB id 1468 ASU2 RS05090 WP 014991734.1    GK.............................GC..DNCY.HGYKGRTGIYQLLAKQGK.............FFEKSTAYL  431
NTDB id 82951 RG58 RS21910 WP 001025154.1   QQQGEPIHIPV........NVWPSPLPHWQAPGC..VHCY.HGFYGRTALFEVLPITPVIRQLISANTDVESLETHARQA  428
NTDB id 1436 BW25113 RS00530 WP 001025145.1 RQQGEPIHIPD........NVWPSPLPHWQAPGC..VHCY.HGFYGRTALFEVLPITPVIRQLISANTDVESLETHARQA  428
NTDB id 1168 A1552VC RS11070 WP 000957200.1 IAV.RPSALLQSQFAFQPNEIL....YEANAAGC..NECT.GGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAKAN  533
NTDB id 1401 DSB67 RS12665 WP 010643259.1   QPQ.EPNSQLQH.IGIANTEQI....FQANPDGC..NECT.HGYSGRTGIYEVMKFDESLSEALIKGASVHELEKLAIAN  532
NTDB id 1293 VP RS12240 WP 005479695.1      QPQ.EHTVQLQH.LGIQTTDNI....FRANPDGC..NECT.HGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAIAN  532
NTDB id 1110 NGFG RS09235 WP 003689817.1    QEVERPSASALKEVGFTDEDLAK.DWKLYRAVGC..DRCRGQGYKGRAGVYEVMPISEEMQRVIMNNGTEVGILDVAYKE  529
NTDB id 1251 GCO85 RS07725 WP 011946523.1   AVRDDFTNQGLIELGFKEADLV..NLKLYKAVGC..EQCT.SGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQSE  545
NTDB id 1018 ACIAD RS01685 WP 004920473.1   RPI.QVPERSLLEMGFTPEDLAQPEFQIFEPVGC..HDCR.EGYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAETL  541
NTDB id 1058 ABD1 RS01615 WP 001274986.1    IPA.DIPKQSLLEMGFTEQDLAHPDFRVFQPVGC..LECR.EGYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASEKL  541
consensus                                               *    **          **    *!    !**!! ******      *    **          *    *
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logo



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NTDB id 1028 TT RS08215 WP 011173991.1      GMKTLREDGLYKALQGITTLEEVLARTIE....  889
NTDB id 1366 NTHI RS01950 WP 011271972.1    DFENLRESGLEKVSQGITDEKEIERVLGKNS..  464
NTDB id 1355 HI 0298 AAC21962.1             DFKNLRASGLEKVSQGITDEKEIERVLGKNL..  464
NTDB id 1384 A4U84 RS08525 WP 010787006.1   DFSSLRESAKQKIEQQLTNETEVDRVLGYE...  461
NTDB id 1468 ASU2 RS05090 WP 014991734.1    DYDNLRASAEQKLAANITTVDEVKRVLGDG...  461
NTDB id 82951 RG58 RS21910 WP 001025154.1   GMCTLFENGCLAVEQGLTTFEELIRVLGMPHGE  461
NTDB id 1436 BW25113 RS00530 WP 001025145.1 GMRTLFENGCLAVEQGLTTFEELIRVLGMPHGE  461
NTDB id 1168 A1552VC RS11070 WP 000957200.1 GMQTLQESGLEKLREGITSFAELQRVLYF....  562
NTDB id 1401 DSB67 RS12665 WP 010643259.1   GMQTLQMSGIEKLKQGITSFRELQRVLYF....  561
NTDB id 1293 VP RS12240 WP 005479695.1      GMSTLQMSGIEKLKQGITSFSELQRVLYF....  561
NTDB id 1110 NGFG RS09235 WP 003689817.1    GMVDLRRAGILKIMQGITSLEEVTANTND....  558
NTDB id 1251 GCO85 RS07725 WP 011946523.1   GMLTIFQSGIEKVKEGITTIEEVNRVTVD....  574
NTDB id 1018 ACIAD RS01685 WP 004920473.1   GFNNLRRSGLKKVMQGVTSLQEINRVTSE....  570
NTDB id 1058 ABD1 RS01615 WP 001274986.1    GFNNLRRSGLKKVMQGVTSLQEVNRVTSE....  570
consensus                                   ** ***  ***  **  ***!*   !*  ***
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X non conserved

X similar

X $\geq$ 50% conserved