logo

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NTDB id 1468 ASU2 RS05090 WP 014991734.1    .....................................M.........QYSVCDMNSQQVF.........DISESLW    21
NTDB id 1384 A4U84 RS08525 WP 010787006.1    .....................................MS.........QYTICEQQTERIF.........DISPSRW    22
NTDB id 29975 PMU RS06050 WP 016504529.1     .....................................MFH....ENPLCTVSAMTGEVF.........EIQQALW    25
NTDB id 1366 NTHI RS01950 WP 011271972.1     .....................................MTSYA....LLHTQRVTAQNGEIF.........TISPDLW    27
NTDB id 1355 HI 0298 AAC21962.1              .....................................MTSYA....LLHTQRVTAKNGEVF.........TISPDLW    27
NTDB id 1436 BW25113 RS00530 WP 001025145.1  ..........................................................MNIPQLT.........     7
NTDB id 1168 A1552VC RS11070 WP 000957200.1  ........MLTNLVAILRQAELISATQEQAVVTQVSASGTSVPEALLELSIFHAQELTEQLSHIFGLPETDLSRYDYANL    72
NTDB id 1293 VP RS12240 WP 005479695.1       ........MHSNLSTILRQKGLLTFSQEESLIEQVKASGISMPEALLSSGFFTSSELAEHLSSIFGLSQPELSQYEYASL    72
NTDB id 1401 DSB67 RS12665 WP 010643259.1    ........MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLSCTSLNQYEYASL    72
NTDB id 1251 GCO85 RS07725 WP 011946523.1    MALATEEYRLQGIGQLLVLEKLLDKTKAIELHKLAAAEKISLLQYIVKNKILSAEQIALTAAQNFGVPMLDINCIDVGTI    80
NTDB id 1058 ABD1 RS01615 WP 001274986.1     MSALHTSPKFTGFFRRLVEEKHVSAATMQTALDAAKRAKQDTVAYLIEEVHLSPSLLAETISAEFAEPYFDLDVYDTSQI    80
NTDB id 1018 ACIAD RS01685 WP 004920473.1    MSAFTTPPKFSGFIRRLVEEGYVNAQNMQQALEKAKKFKQDIVPYLIDNFSISPLTIAEIISLEFGEPLLDLGVFDPALF    80
consensus                                                                  *           *      **
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NTDB id 1468 ASU2 RS05090 WP 014991734.1    QKNCDEKHILLRYLAIPIQENDDTLWLAIDDMNNLSACEIFAFIAHKTIEPVLISSDELKYLLNQLSPEQQSLYEETE..    99
NTDB id 1384 A4U84 RS08525 WP 010787006.1    QKNCEEKQLLLRYLAVPVQETEHKLWLAVDDENNLTACEIFAFMTHKQIEPVVIASDELKYLLNALSPEQQPIYEESE..   100
NTDB id 29975 PMU RS06050 WP 016504529.1     QKNQQQQRFLLRYFALPLQEDEKQLWLGVDSLANLSACDAFSFLTNKHIEPVLLSTNELKRALQQLSPPKLQVEENIP..   103
NTDB id 1366 NTHI RS01950 WP 011271972.1     ERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGKPVEPILLESSQLKELLQQLTPHQMQVEEQVK..   105
NTDB id 1355 HI 0298 AAC21962.1              ERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGKPVEPILLESSQLKELLQQLTPNQMQVEEQVK..   105
NTDB id 1436 BW25113 RS00530 WP 001025145.1  .......ALCLRYHGVLLDASEEVVHVAVVDAPSHELLDALHFATTKRIEITCWTRQQMEGHA.................   63
NTDB id 1168 A1552VC RS11070 WP 000957200.1  CQQLGLRELITRYDALPIAKQGNLLLLAVSDPTLLQAEEEFRFATGLQVELALALADHRALQAAIRRLYGRSIQGAANQGK.   151
NTDB id 1293 VP RS12240 WP 005479695.1       CQQLGLRELITRHNALPLHRTPSTLLLAVADPTNQQAEDDFRFATGLQVELVLALADFRELSTAIRRLYGRSLSHEKSGLK.   151
NTDB id 1401 DSB67 RS12665 WP 010643259.1    CQTLGLRDLITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATGLQVELVLALADFRELTAAIRRLYGRSLGQEKSGLK.   151
NTDB id 1251 GCO85 RS07725 WP 011946523.1    PVNLVNEKLIKRHAMVPLFSRGTNLYLATDDPSKQASLKEIQFHTGLNTHAIVVETDKLSALIDNLLTAKESQGLSEYVE   160
NTDB id 1058 ABD1 RS01615 WP 001274986.1     PKDLVDQKLILKHRILPLIQRGQILYVATSNPSNIEAIDAIRFNSKLLVEPVIVEHHKLEKVLGQHFAEESSFDFNDE..   158
NTDB id 1018 ACIAD RS01685 WP 004920473.1    LKDKIDEKLIQKYRIMPLVHRGHVLYVATSNPTNIEAMDAIRFNSKLKVEPIIVEHDKLERLLSEHFVEETHFNFDTE..   158
consensus                                     **      ***** **** *      ***** * *** * *   ! *    *******    *  **   *
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NTDB id 1468 ASU2 RS05090 WP 014991734.1    ..............LNYQSPDNLDLLNQNDPIIQILDNLFKFCLKQNASDIHFEPQKEKLQTIRLRIDGVLHIYKSLSFSL   165
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ..............LAFVEQE.QEQLNLNDPIIQLLDNLFKFCLAQNASDIHIEPRKQKLIIRLRIDGVLHLYKSLSIQL   165
NTDB id 29975 PMU RS06050 WP 016504529.1     ..............TVYQVAQLDSDSATDEPLIQLLDQVFERALQLQASDIHFEPQQHSLQVRFRIDGVLQVQPSFSGIL   169
NTDB id 1366 NTHI RS01950 WP 011271972.1     ..............FYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVLQPQPLISKIF   170
NTDB id 1355 HI 0298 AAC21962.1              ..............FYQHQETHFEQEDDEPVIRLLNQIFESALQKNASDIHLETLADQFQVRFRIDGVLQPQPLISKIF   170
NTDB id 1436 BW25113 RS00530 WP 001025145.1  ..............SRTQQTLPVAVQEKHQPKAELLTRTLQSALEQRASDIHIEPADNAYRIRLRIDGVLHPLPDVSPDA   129
NTDB id 1168 A1552VC RS11070 WP 000957200.1  .EISQDELANLVKVSDDELQSIEDLSQDDSPVSRFINQVLLDAVRKGASDIHFEPYENQYRIRLRCDGILVETQQPASHL   230
NTDB id 1293 VP RS12240 WP 005479695.1       .EINQEELASLVDVGADEIDNIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYEKMYRVRLRCDGILIETQQPPNHL   230
NTDB id 1401 DSB67 RS12665 WP 010643259.1    .EINQDELAGLVDIGEDEIENIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCDGILIEIQQPPSHL   230
NTDB id 1251 GCO85 RS07725 WP 011946523.1    DSGDLEGLEISAD.DEDQDIDTATSVTDDAPIVKFVNKILLDAIRQGASDIHFEPYEREYRIRYRQDGILHEVATPPASL   239
NTDB id 1058 ABD1 RS01615 WP 001274986.1     .EFD...LDVNLDGPTAQEDEEEAPQGDEAPIVKYINKLLIDAIRMGASDLHFEPYEKSYRVRYRVDGVLRQIANPPLQL   234
NTDB id 1018 ACIAD RS01685 WP 004920473.1    .ELD...LDVEVDPHTTDDDDEDDKLKDEAPIVKYINKLLIDAIRMSASDLHFEPYEKSYRVRYRVDGVLRLIATPPLQL   234
consensus                                                 *   *      **  !*** ***** ***   !!!*!*!* *  ***!  !*!!*!           *
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NTDB id 1468 ASU2 RS05090 WP 014991734.1     ANRIITRLKLLAKLDISETRLPQDGQFNFKTVTAETLDFRVSSLPTSFGEKIVLRLQKNKPTHFDFLELGFSPEQKQLLL  245
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ASRLISRIKLLAKLDISELRQPQDGQFSFTTALADTLDFRVSSLPTIYGEKLVLRLQKNKPTSFDFLQLGFNPQQQTTLL  245
NTDB id 29975 PMU RS06050 WP 016504529.1     ANRLISRLKLLAKLDISETRLPQDGCFQFKTTFSDTLDFRLSTLPTHLGEKAVLRLQRNKPIHLSFAELGMTADQQHRFQ  249
NTDB id 1366 NTHI RS01950 WP 011271972.1     ANRIISRLKLLAKLDISENRLPQDGRFQFKTTFSDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFAELGMTENQQQAFQ  250
NTDB id 1355 HI 0298 AAC21962.1              ANRIISRLKLLAKLDISENRLPQDGRFQFKTTFSDILDFRLSTLPTHWGEKIVLRAQQNKPVELSFSELGMTENQQQAFQ  250
NTDB id 1436 BW25113 RS00530 WP 001025145.1  GVALTARLKVLGNLDIAEHRLPQDGQFTVELAG.NAVSFRIATLPCRGGEKVVLRLLQQVGQALDVNTLGMQPLQLADFA  208
NTDB id 1168 A1552VC RS11070 WP 000957200.1  SRRLAARIKILSKLDIAERRLPQDGRIKLRLSRDTAIDMRVSTLPTLWGEKIVLRLLDSSAANLDIDKLGYNPQQKQLYL  310
NTDB id 1293 VP RS12240 WP 005479695.1       SRRLSARIKILSKLDIAERRLPQDGRIKLKLNQDTAIDMRVSTLPTLFGEKIVLRLLDSSSASLDIDKLGYSEQQKQLYL  310
NTDB id 1401 DSB67 RS12665 WP 010643259.1    SRRLSARIKILSKLDIAERRLPQDGRIKLKLNQDTAIDMRVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQKQLYL  310
NTDB id 1251 GCO85 RS07725 WP 011946523.1    SSRITARIKVMSNLDISERRIPQDGGFKMKISKSRAIDFRVSTCPTSAGEKVVMRVLDSGAAKLGIEALGFNPVQRTNFL  319
NTDB id 1058 ABD1 RS01615 WP 001274986.1     ANRLASRLKVMSQMDISEKRVPQDGRIKLKLSKSKAIDFRVNSLPTLFGEKLVLRILDPSSAMLGIDALGYEEDQKALFM  314
NTDB id 1018 ACIAD RS01685 WP 004920473.1    ATRLASRLKVMSQMDISEKRVPQDGRIKLKMSKSKTIDFRVNSLPTLFGEKIVLRILDPASAMLGIDALGYEPEQKALFM  314
consensus                                    *  ** *!*!** **!!*! !*!!!!** ****     ***!****!* *!!!*!*!**       *  *  !!*    !*   **
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NTDB id 1468 ASU2 RS05090 WP 014991734.1     TALHQPQGLILVTGPTGSGKSITLYSALNYLNNSERHILTAEDPIEIEIEGIIQTQVNRAIQLDFSQLLRTFLRQDPDII  325
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NTDB id 29975 PMU RS06050 WP 016504529.1     HALSQPQGLILVTGPTGSGKSISLYSALAWLNSIEKHILTAEDPIEIVLTGIIQTQVNTQIGLDFKRLLRTFLRQDPDII  329
NTDB id 1366 NTHI RS01950 WP 011271972.1     RSLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIMTAEDPIEIELDGIIQSQINPQIGLDFSRLLRAFLRQDPDII  330
NTDB id 1355 HI 0298 AAC21962.1              RVLSQPQGLILVTGPTGSGKSISLYTALQWLNTPDKHIMTAEDPIEIELDGIIQSQINPQIGLDFNRLLRTFLRQDPDII  330
NTDB id 1436 BW25113 RS00530 WP 001025145.1  HALQQPQGLVLVTGPTGSGKTVTLYSALQKLNTADINICSVEDPVEIPIAGLNQTQIHPRAGLTFQGVLRALLRQDPDVI  288
NTDB id 1168 A1552VC RS11070 WP 000957200.1  NALKRPQGMILMTGPTGSGKTVSLYTGLRILNTSQINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVV  390
NTDB id 1293 VP RS12240 WP 005479695.1       EALRRPQGMILMTGPTGSGKTVSLYTGLNILNKPEINISTAEDPVEINLSGINQVQVQPKIGFGFAEALRSFLRQDPDVV  390
NTDB id 1401 DSB67 RS12665 WP 010643259.1    DALRRPQGMILMTGPTGSGKTVSLYTGLSILNKPEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDVV  390
NTDB id 1251 GCO85 RS07725 WP 011946523.1    KAIQRPQGMILVTGPTGSGKTVTLYTALNILNTIEVNISTAEDPVEIKVPGINQVNINPKAGLTFSGALRSFLRQDPDII  399
NTDB id 1058 ABD1 RS01615 WP 001274986.1     EALDKPQGMLLITGPTGSGKTVSLYTGLNILNTESSNISTAEDPVEINLEGINQVNVNPKVGLTFAAALKSFLRQDPDII  394
NTDB id 1018 ACIAD RS01685 WP 004920473.1    EALNKPQGMLLITGPTGSGKTVSLYTGLNILNTEHANISTAEDPVEINLEGVNQVNVNPKVGLTFAAALRSFLRQDPDII  394
consensus                                     **  !!!**!*!!!!!!!!***!!**!* !!* * *! **!!!*!! * !**! ******** !   !***!!!!!!**
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NTDB id 1468 ASU2 RS05090 WP 014991734.1     MLGEIRDQESAEIALRAAQTGHLVLSTLHTNDAPSAIERLLQLGIKEYEIKNSLQLIIAQRLLRKRCPQCGGKG......  399
NTDB id 1384 A4U84 RS08525 WP 010787006.1    MLGEIRDEESAKMALRASQTGHLVLSTLHTNDALSAVERLLQLGIQEYEIQNSLLLVIAQRLVRKLCKKCRGVG......  399
NTDB id 29975 PMU RS06050 WP 016504529.1     MLGEIRDEESALIALRAAQTGHLVLSTLHTNDAPSALTRLQQLGVPLHEIEQSLLLVVAQRLLRRRCD.CRVET......  402
NTDB id 1366 NTHI RS01950 WP 011271972.1     MLGEIRDEESARIALRAAQTGHLVLSTLHTNDAISAISRLQQLGIQQHEIENSLLLVIAQRLVRKICPKCGGNL......  404
NTDB id 1355 HI 0298 AAC21962.1              MLGEIRDEESAMIALRAAQTGHLVLSTLHTNDAISAISRLQQLGIQQYEIKNSLLLVIAQRLVRKLCSKCGGNL......  404
NTDB id 1436 BW25113 RS00530 WP 001025145.1  MIGEIRDGETAEIAIKAAQTGHLVLSTLHTNSTCETLVRLQQMGVARWMLSSALTLVIAQRLVRKLCPHCRRQQGE.P..  365
NTDB id 1168 A1552VC RS11070 WP 000957200.1  MVGEIRDLETAEIAVKAAQTGHLVLSTLHTNSAAETVIRLANMGVEPFNLASSLSLIIAQRLARRLCKHCKIAVRP.SAL  469
NTDB id 1293 VP RS12240 WP 005479695.1       MVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETIIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCKQPQEH.TVQ  469
NTDB id 1401 DSB67 RS12665 WP 010643259.1    MVGEIRDLDTAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQEP.NSQ  469
NTDB id 1251 GCO85 RS07725 WP 011946523.1    MVGEIRDLETAEIAIKAAQTGHLVLSTLHTNSAAETLNRLVNMGIPTFNIASSVTLIIAQRLARKLCNQCKAVRDDFTNQ  479
NTDB id 1058 ABD1 RS01615 WP 001274986.1     MVGEIRDLETAEIAIKAAQTGHMVMSTLHTNSAPETLTRLRNMGVPSFNIATSVNLVIAQRLARRLCSQCKIPA.DIPKQ  473
NTDB id 1018 ACIAD RS01685 WP 004920473.1    MVGEIRDLETAEIAIKAAQTGHLVMSTLHTNNAAETLTRLRNMGVASFNIATSVNLVIAQRLARRLCSQCKRPI.QVPER  473
consensus                                    !*!!!!!  **!**!**!*!!!!!*!*!!!!!! * *** !! **!*  * * *** !**!!!! !**!  !*
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logo

NTDB id 1468 ASU2 RS05090 WP 014991734.1     ........................CDNCYHGYKGRTGIYQLLAKQGKF............FEKSTAYLDYDNLRASAEQK   443
NTDB id 1384 A4U84 RS08525 WP 010787006.1    ........................CDECYQGYRGRIGVYQCLSRTAKK............FDKQTAYLDFSSLRESAKQK   443
NTDB id 29975 PMU RS06050 WP 016504529.1     ......................QSACRCYQGYKGRIGVYQFLQKDKT................GCFVTDFSSLRESAKEK   444
NTDB id 1366 NTHI RS01950 WP 011271972.1     ......................INSCDCHQGYRGRIGVYQFLHWQQN................G.YQTDFENLRESGLEK   445
NTDB id 1355 HI 0298 AAC21962.1             ......................ANSCDCHQGYRGRIGVYQFLHWQQN................D.YQTDFKNLRASGLEK   445
NTDB id 1436 BW25113 RS00530 WP 001025145.1 .....IHIPDNVWPSPLPHWQAPGCVHCYHGFYGRTALFEVLPITPVIRQLISANTDVESLETHARQAGMRTLFENGCLA   440
NTDB id 1168 A1552VC RS11070 WP 000957200.1 LQSQFAFQPNEI....LYEANAAGCNECTGGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAKANGMQTLQESGLEK   545
NTDB id 1293 VP RS12240 WP 005479695.1      L.QHLGIQTTDN....IFRANPDGCNECTHGYSGRTGIYEVMRFDESLSEALIKGASVHELEKLAIANGMSTLQMSGIEK   544
NTDB id 1401 DSB67 RS12665 WP 010643259.1   L.QHIGIANTEQ....IFQANPDGCNECTHGYSGRTGIYEVMKFDESLSEALIKGASVHELEKLAIANGMQTLQMSGIEK   544
NTDB id 1251 GCO85 RS07725 WP 011946523.1   GLIELGFKEADLV..NLKLYKAVGCEQCTSGYRGRVGLFEVLPMTKELGQLIMSGGNSLDILKLAQSEGMLTIFQSGIEK   557
NTDB id 1058 ABD1 RS01615 WP 001274986.1    SLLEMGFTEQDLAHPDFRVFQPVGCLECREGYKGRVGIYEVMKVTPEISKIIMEDGNALEIAAASEKLGFNNLRRSGLKK   553
NTDB id 1018 ACIAD RS01685 WP 004920473.1   SLLEMGFTPEDLAQPEFQIFEPVGCHDCREGYKGRVGIYEVMKITPEISKIIMEDGNALEIAATAETLGFNNLRRSGLKK   553
consensus                                                           ** *!  !**!!*******     *   *        *       **  ***  *****
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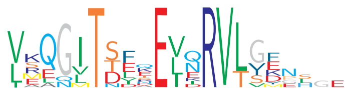

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logo

NTDB id 1468 ASU2 RS05090 WP 014991734.1     LAANITTVDEVKRVLGDG...    461
NTDB id 1384 A4U84 RS08525 WP 010787006.1    IEQQLTNETEVDRVLGYE...    461
NTDB id 29975 PMU RS06050 WP 016504529.1     VRLGMTDDNEVQRVLGE....    461
NTDB id 1366 NTHI RS01950 WP 011271972.1     VSQGITDEKEIERVLGKNS..    464
NTDB id 1355 HI 0298 AAC21962.1             VSQGITDEKEIERVLGKNL..    464
NTDB id 1436 BW25113 RS00530 WP 001025145.1 VEQGLTTFEELIRVLGMPHGE    461
NTDB id 1168 A1552VC RS11070 WP 000957200.1 LREGITSFAELQRVLYF....    562
NTDB id 1293 VP RS12240 WP 005479695.1      LKQGITSFSELQRVLYF....    561
NTDB id 1401 DSB67 RS12665 WP 010643259.1   LKQGITSFRELQRVLYF....    561
NTDB id 1251 GCO85 RS07725 WP 011946523.1   VKEGITTIEEVNRVTVD....    574
NTDB id 1058 ABD1 RS01615 WP 001274986.1    VMQGVTSLQEVNRVTSE....    570
NTDB id 1018 ACIAD RS01685 WP 004920473.1   VMQGVTSLQEINRVTSE....    570
consensus                                   * ***!*  !**!!*
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X non conserved
X similar
X ≥ 50% conserved