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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1177 A1552VC RS01165 WP 000422572.1      ....MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEA.LSVADVTALLHAMMDDARQAEFKQTREANFAVVRD    75
NTDB id 1203 PSJM300 01605 AFN76401.1            ....MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAISAR    76
NTDB id 313054 AhaeAN43 RS11810 WP 005081584.1   ....MDFNDLLNLMIQQNASDLFITADVEPSMKINGQIVPVSKTKLSAEIVGQLVNSIMSDKQRKEFADTRECNFAITNR    76
NTDB id 1019 ACIAD RS04205 WP 004922051.1        ....MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAILNR    76
NTDB id 1307 DR RS10055 WP 010888596.1           MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSFALG    80
NTDB id 1116 NGFG RS10615 WP 003690200.1         ....MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFELP    76
NTDB id 1086 NMV RS00245 WP 002218487.1          ....MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFELP    76
NTDB id 1283 ACE17W RS02630 WP 010947729.1       ....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEIA    76
NTDB id 1259 GCO85 RS10305 WP 010947729.1        ....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEIA    76
NTDB id 1194 PAKAF RS01995 WP 003084552.1        ....MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP    76
NTDB id 1202 PSJM300 01600 AFN76400.1            ....MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEVP    76
consensus                                            *** **!** *****!!*************** !******** **  **  **  ********** *  ! *!****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1      ..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGHI   153
NTDB id 1203 PSJM300 01605 AFN76401.1            G.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHI   155
NTDB id 313054 AhaeAN43 RS11810 WP 005081584.1   EKTARFRVSAFQQRDMPGMILRKIETHIPSMDDLKLPEVLKELAMTKRGIIIFVGATGTGKSTSLASMIGYRNHNSKGHI   156
NTDB id 1019 ACIAD RS04205 WP 004922051.1        EKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSKGHI   156
NTDB id 1307 DR RS10055 WP 010888596.1           D.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLHI   159
NTDB id 1116 NGFG RS10615 WP 003690200.1         N.VARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI   155
NTDB id 1086 NMV RS00245 WP 002218487.1          N.VARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI   155
NTDB id 1283 ACE17W RS02630 WP 010947729.1       N.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHI   155
NTDB id 1259 GCO85 RS10305 WP 010947729.1        N.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHI   155
NTDB id 1194 PAKAF RS01995 WP 003084552.1        G.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHI   155
NTDB id 1202 PSJM300 01600 AFN76400.1            G.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHI   155
consensus                                          **!!!!*!!** **  ****!*!** ******* **  *** **   !!*****!*!!*!!!!**!*** **!  ** *!!

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NTDB id 1177 A1552VC RS01165 WP 000422572.1      LTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANNANQ   233
NTDB id 1203 PSJM300 01605 AFN76401.1            ISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNANQ   235
NTDB id 313054 AhaeAN43 RS11810 WP 005081584.1   ITIEDPIEFVHQHAGCIVTQREVGIDTESFEVALKNTLRQAPDVILIGEIRSRETMDYAIAFAETGHLVLATLHANNANQ   236
NTDB id 1019 ACIAD RS04205 WP 004922051.1        ITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANNANQ   236
NTDB id 1307 DR RS10055 WP 010888596.1           LTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAPE   239
NTDB id 1116 NGFG RS10615 WP 003690200.1         LTIEDPIEFVHQSKKSLINQRELHQHTLSFANALSSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAK   235
NTDB id 1086 NMV RS00245 WP 002218487.1          LTIEDPIEFVHQSKKSLINQRELHQHTLSFANALRSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAK   235
NTDB id 1283 ACE17W RS02630 WP 010947729.1       LTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSATK   235
NTDB id 1259 GCO85 RS10305 WP 010947729.1        LTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSATK   235
NTDB id 1194 PAKAF RS01995 WP 003084552.1        LTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK   235
NTDB id 1202 PSJM300 01600 AFN76400.1            LTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK   235
consensus                                        ***!!!!!!*!********!!!** *!***  !!***!!**!!*!!*!!*!* !** *!***!!!!!!***!!!** ! *
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NTDB id 1177 A1552VC RS01165 WP 000422572.1      ALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRLADLIRRGELHELKATMARSQEVGMQ   313
NTDB id 1203 PSJM300 01605 AFN76401.1            ALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQ   315
NTDB id 313054 AhaeAN43 RS11810 WP 005081584.1  ALDRIIHFFEADRHSQLYMDLSLNLKALVAQQLIPTPDGNSRRAAIEILINTPLLADYIRKGEIHEIKDLMKRSRELGMQ   316
NTDB id 1019 ACIAD RS04205 WP 004922051.1       TLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGELGMQ   316
NTDB id 1307 DR RS10055 WP 010888596.1           SIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGMV   319
NTDB id 1116 NGFG RS10615 WP 003690200.1         TVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGMQ   315
NTDB id 1086 NMV RS00245 WP 002218487.1          TVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGMQ   315
NTDB id 1283 ACE17W RS02630 WP 010947729.1       TINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKKN.KGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQ   314
NTDB id 1259 GC085 RS10305 WP 010947729.1        TINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKKN.KGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQ   314
NTDB id 1194 PAKAF RS01995 WP 003084552.1        TIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIKKI.GGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSLGMQ   314
NTDB id 1202 PSJM300 01600 AFN76400.1            TIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLLKKV.GGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGSLGMQ   314
consensus                                        ***!***********  *****!***!  ****!*!**   **  *!***  !***  *******!!*  **  **  ******   *!!*

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NTDB id 1177 A1552VC RS01165 WP 000422572.1      TFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDYGS...GSLQNV....KIDME...................   368
NTDB id 1203 PSJM300 01605 AFN76401.1            TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVSQG.L....TLEMSDDDPGRSFR.........   381
NTDB id 313054 AhaeAN43 RS11810 WP 005081584.1  TFDQALFDLYKAGQITYKDALKHADSPNDLRLTIKLSEEGADQLLN......A....SRNITFDGQ...............   372
NTDB id 1019 ACIAD RS04205 WP 004922051.1       TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEM....ERKMTFDGQRRNLK..........   383
NTDB id 1307 DR RS10055 WP 010888596.1           TMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAPATP   399
NTDB id 1116 NGFG RS10615 WP 003690200.1         TMDQSLQSLVRQGLIAPEAARRRAQNSESMSF..................................................   347
NTDB id 1086 NMV RS00245 WP 002218487.1          TMDQSLQSLVRQGLIAPEVARRRAQNSESMSF..................................................   347
NTDB id 1283 ACE17W RS02630 WP 010947729.1       TLDQHLTELVNKNIISKHTAHEAALNKSLF....................................................   344
NTDB id 1259 GC085 RS10305 WP 010947729.1        TLDQHLTELVNKNIISKHTAHEAALNKSLF....................................................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1        TLDMCLKGLVAKGLISRENAREKAKIPENF....................................................   344
NTDB id 1202 PSJM300 01600 AFN76400.1            TLDSCLKGLLAKGLISRDSAKEKAKQPENF....................................................   344
consensus                                        !*!* !  !*  **!* * *   !     *

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NTDB id 1177 A1552VC RS01165 WP 000422572.1      ....................   368
NTDB id 1203 PSJM300 01605 AFN76401.1            ....................   381
NTDB id 313054 AhaeAN43 RS11810 WP 005081584.1  ....................   372
NTDB id 1019 ACIAD RS04205 WP 004922051.1       ....................   383
NTDB id 1307 DR RS10055 WP 010888596.1           AAPAAGRSEPGRAGGFGRR   418
NTDB id 1116 NGFG RS10615 WP 003690200.1         ....................   347
NTDB id 1086 NMV RS00245 WP 002218487.1          ....................   347
NTDB id 1283 ACE17W RS02630 WP 010947729.1       ....................   344
NTDB id 1259 GC085 RS10305 WP 010947729.1        ....................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1        ....................   344
NTDB id 1202 PSJM300 01600 AFN76400.1            ....................   344
consensus
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X non conserved
X similar
X ≥ 50% conserved