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logo
NTDB id 1177 A1552VC RS01165 WP 000422572.1  .......MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEA.LSVADVTALLHAMMDDARQAEFKQTREANFAV   72
NTDB id 36424 TK90 RS12115 WP 012983775.1    MDRDKAIKYMHDLLRALVDRGGSDLFITVGMPPAAKIDGRVVPMTEQKLTPSHTQALVRALMNDKQSAEYERHQECNFAI   80
NTDB id 1203 PSJM300 01605 AFN76401.1        .......MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAI   73
NTDB id 1019 ACIAD RS04205 WP 004922051.1    .......MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAI   73
NTDB id 1307 DR RS10055 WP 010888596.1       ...MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSF   77
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    .......MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSF   73
NTDB id 1060 ABD1 RS04380 WP 000355489.1     .......MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSF   73
NTDB id 1040 HON27 RS13360 WP 000355489.1    .......MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSF   73
NTDB id 1202 PSJM300 01600 AFN76400.1        .......MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSF   73
NTDB id 1194 PAKAF RS01995 WP 003084552.1    .......MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSF   73
consensus                                          ******!********!!*****!********!******** ******* ****************  *!**!**

logo
NTDB id 1177 A1552VC RS01165 WP 000422572.1  VRD..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRT  150
NTDB id 36424 TK90 RS12115 WP 012983775.1    GLQG.VSRFRVNVFTQRGSPGMVLRTINSVIPKFEDIQMPPQLEKITMERRGLVIFVGGTGSGKSTSLAAMIGHRNRNAP  159
NTDB id 1203 PSJM300 01605 AFN76401.1        SARG.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSS  152
NTDB id 1019 ACIAD RS04205 WP 004922051.1    LNREKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSK  153
NTDB id 1307 DR RS10055 WP 010888596.1       ALGD.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKK  156
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    EVPN.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRY  152
NTDB id 1060 ABD1 RS04380 WP 000355489.1     EVPN.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRY  152
NTDB id 1040 HON27 RS13360 WP 000355489.1    EVPN.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRY  152
NTDB id 1202 PSJM300 01600 AFN76400.1        EVPG.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKY  152
NTDB id 1194 PAKAF RS01995 WP 003084552.1    EVPG.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKY  152
consensus                                    ***  **!!!!**!*! ***!*!*!*!************* ***** * *!!*****!*!!*!!!!**!*!****! ***

logo
NTDB id 1177 A1552VC RS01165 WP 000422572.1  GHILTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANN  230
NTDB id 36424 TK90 RS12115 WP 012983775.1    DHIVTIEDPIEFVHEHKSIITQREVGVDTEGYEIALKNTLRQAPDVILIGEIRDRETMDYAIAFAETGHLCLSTLHANS  239
NTDB id 1203 PSJM300 01605 AFN76401.1        GHISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANN  232
NTDB id 1019 ACIAD RS04205 WP 004922051.1    GHIITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANN  233
NTDB id 1307 DR RS10055 WP 010888596.1       LHILTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNS  236
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    DHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
NTDB id 1060 ABD1 RS04380 WP 000355489.1     DHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
NTDB id 1040 HON27 RS13360 WP 000355489.1    DHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
NTDB id 1202 PSJM300 01600 AFN76400.1        HHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
NTDB id 1194 PAKAF RS01995 WP 003084552.1    HHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
consensus                                     !!***!!!!!!*!*******!!!!**!! ****!!***!!  !!*!!*!!*!**!****!***!!!!!***!!!* *
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logo
                                                  AANQALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEV   310
NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 36424 TK90 RS12115 WP 012983775.1         TNQALDRIINFFPEDRREQLLMDLSLNLKAVISQRLVRQENGEGRVPAVEILINTPLMADLMLKGAVHEMKELISRSREQ   319
NTDB id 1203 PSJM300 01605 AFN76401.1             ANQALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDL   312
NTDB id 1019 ACIAD RS04205 WP 004922051.1         ANQTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGEL   313
NTDB id 1307 DR RS10055 WP 010888596.1            APESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGARE   316
NTDB id 1081 FDQ49 RS05335 WP 006581387.1         AAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK.KNGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANH   311
NTDB id 1060 ABD1 RS04380 WP 000355489.1          AAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK.KNGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANH   311
NTDB id 1040 HON27 RS13360 WP 000355489.1         AAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK.KNGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANH   311
NTDB id 1202 PSJM300 01600 AFN76400.1             AAKTIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLLK.KVGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGSL   311
NTDB id 1194 PAKAF RS01995 WP 003084552.1         AAKTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIK.KIGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSL   311
consensus                                         ******!***********  ****!**  !*****!*!**  **!**!****!*****!*****************  *****  *
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logo
                                                  GMQTFDQALYQLVVDDKISEQDALHSADSANDLRLMLKT.KRGDDYGSG...SL...QNVKIDME...............   368
NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 36424 TK90 RS12115 WP 012983775.1         GMQTFDQALFDLYETRKISYEEALRNADSVNDLRLRIKL.DSQRAQDDGAPAV....ADTGEGLSVDDRPEDYSVR....   390
NTDB id 1203 PSJM300 01605 AFN76401.1             GMQTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKL.GSETDGEHLTSVS....QGLTLEMSDDDPGRSFR......   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1         GMQTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKL.SEEANKPLDNRERM...SEMERKMTFDGQRRNLK......   383
NTDB id 1307 DR RS10055 WP 010888596.1            GMVTMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAP   396
NTDB id 1081 FDQ49 RS05335 WP 006581387.1         GMTTLDQSLKGLVSRGVISPQTARTAAKQPESFL..........................................   345
NTDB id 1060 ABD1 RS04380 WP 000355489.1          GMTTLDQSLKGLVARGVISPQTARTAAKQPESFL..........................................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1         GMTTLDQSLKGLVARGVISPQTARTAAKQPESFL..........................................   345
NTDB id 1202 PSJM300 01600 AFN76400.1             GMQTLDSCLKGLLAKGLISRDSAKEKAKQPENF...........................................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1         GMQTLDMCLKGLVAKGLISRENAREKAKIPENF...........................................   344
consensus                                         !!*!*!* !**!* ***!* * **  !* ** *
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logo
                                                  ATPAAPAAGRSEPGRAGGFGRR
NTDB id 1177 A1552VC RS01165 WP 000422572.1       .......................   368
NTDB id 36424 TK90 RS12115 WP 012983775.1         .......................   390
NTDB id 1203 PSJM300 01605 AFN76401.1             .......................   381
NTDB id 1019 ACIAD RS04205 WP 004922051.1         .......................   383
NTDB id 1307 DR RS10055 WP 010888596.1            ATPAAPAAGRSEPGRAGGFGRR   418
NTDB id 1081 FDQ49 RS05335 WP 006581387.1         .......................   345
NTDB id 1060 ABD1 RS04380 WP 000355489.1          .......................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1         .......................   345
NTDB id 1202 PSJM300 01600 AFN76400.1             .......................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1         .......................   344
consensus
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X non conserved

X similar

X ≥ 50% conserved