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logo
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NTDB id 35565 CTCNB1 RS22460 WP 003068462.1  MERDQASKFINDLLKLMVSRNGSDLFITAEFPPAIKIDGKVTKVSPQPLNQLHTLALARSIMNDRQVADFEHTKECNFAI   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 1283 ACE17W RS02630 WP 010947729.1   .......MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSF   73
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NTDB id 1194 PAKAF RS01995 WP 003084552.1    .......MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSF   73
NTDB id 1202 PSJM300 01600 AFN76400.1        .......MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSF   73
NTDB id 1020 ACIAD RS04210 WP 011182164.1    .......MDITELLAFSVQNRASDLHLSAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRRDYEEKLETDFSF   73
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
consensus                                     *** **!****** *!!*****************!******** *** **  ****************  !**!**

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NTDB id 1177 A1552VC RS01165 WP 000422572.1  VRD..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRT  150
NTDB id 35565 CTCNB1 RS22460 WP 003068462.1 SPAG.VGRFRVNAFMQQGKVGMVLRTIPSTLPTIDGLGVPQVLKEVTMTKRGLCILVGATGSGKSTTLAAMVDWRNENSF  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 1283 ACE17W RS02630 WP 010947729.1   EIAN.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRY  152
NTDB id 1259 GC085 RS10305 WP 010947729.1    EIAN.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRY  152
NTDB id 1194 PAKAF RS01995 WP 003084552.1    EVPG.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKY  152
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NTDB id 1020 ACIAD RS04210 WP 011182164.1    EVPN.LARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHRY  152
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    EVPN.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRY  152
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NTDB id 1040 HON27 RS13360 WP 000355489.1    EVPN.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRY  152
consensus                                    **   **!!!!**!*! *****!*!*!** *********  *****    !!*****!*!!*!!!!**!******!  **

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NTDB id 1177 A1552VC RS01165 WP 000422572.1  GHILTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANN  230
NTDB id 35565 CTCNB1 RS22460 WP 003068462.1 GHIITVEDPVEFVHPHKNCVVTQREVGLDTESWEAALKNTLRQAPDVILMGEIRDRETMEHAIAFSETGHLCLATLHANS  239
NTDB id 1203 PSJM300 01605 AFN76401.1        GHIISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANN  232
NTDB id 1019 ACIAD RS04205 WP 004922051.1    GHIITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANN  233
NTDB id 1307 DR RS10055 WP 010888596.1       LHILTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNS  236
NTDB id 1283 ACE17W RS02630 WP 010947729.1   EHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNS  232
NTDB id 1259 GC085 RS10305 WP 010947729.1    EHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNS  232
NTDB id 1194 PAKAF RS01995 WP 003084552.1    HHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
NTDB id 1202 PSJM300 01600 AFN76400.1        HHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
NTDB id 1020 ACIAD RS04210 WP 011182164.1    DHILTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTS  232
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
consensus                                     !!***!!!*!!*!  ******!!!!**!!  *  !!***!!**!!*!!*!!*!**!****!****!!!!!***!!!*  *
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logo
                                                  AAKTIDRIIDVFPAEEKSMVRSMLSESLQAVISQTLLK.KNGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGAN
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NTDB id 35565 CTCNB1 RS22460 WP 003068462.1      ANQALDRIVNFFPEERRPQLLMDVSLNLRAIISQRLIPKQDSKGRVAAIEVMLNSPLIADLIFKGEVVEIKEIMKKSRNI   319
NTDB id 1203 PSJM300 01605 AFN76401.1            ANQALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDL   312
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NTDB id 1307 DR RS10055 WP 010888596.1           APESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGARE   316
NTDB id 1283 ACE17W RS02630 WP 010947729.1       ATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK.KNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAK   311
NTDB id 1259 GC085 RS10305 WP 010947729.1        ATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLK.KNKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAK   311
NTDB id 1194 PAKAF RS01995 WP 003084552.1        AAKTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIK.KIGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSL   311
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consensus                                        ! ****!*********** *** *****!*****!*!** * ***!*** !*** *******!** ******* *****

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                                                  GMQTLDQSLKGLVAKGLISYGTAREAAKSPESFR
NTDB id 1177 A1552VC RS01165 WP 000422572.1      GMQTFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDYG...SGSLQNVK....IDME...............   368
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NTDB id 1019 ACIAD RS04205 WP 004922051.1        GMQTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEME....RKMTFDGQRRNLK......   383
NTDB id 1307 DR RS10055 WP 010888596.1           GMVTMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAP   396
NTDB id 1283 ACE17W RS02630 WP 010947729.1       GMQTLDQHLTELVNKNIISKHTAHEAALNKSLF.......................................   344
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NTDB id 1194 PAKAF RS01995 WP 003084552.1        GMQTLDMCLKGLVAKGLISRENAREKAKIPENF.......................................   344
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NTDB id 1040 HON27 RS13360 WP 000355489.1        GMTTLDQSLKGLVARGVISPQTARTAAKQPESFL......................................   345
consensus                                        !!*!*!* !  !* * *!*   *   !  *  *

logo
                                                  ATPAAPAAGRSEPGRAGGFGRR
NTDB id 1177 A1552VC RS01165 WP 000422572.1      .......................   368
NTDB id 35565 CTCNB1 RS22460 WP 003068462.1      .......................   378
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 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
NTDB id 1020 ACIAD RS04210 WP 011182164.1        .......................   344
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
consensus
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X non conserved
X similar
X $\geq$ 50% conserved