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logo
NTDB id 1019 ACIAD RS04205 WP 004922051.1      .....MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAILN   75
NTDB id 1102634 D3W47 RS03055 WP 119673882.1  MTQPAADITDILRFAADKGASDVIITVGLSPQFKLQGVYDSQGFAELAPTDTRKLMYSMMNEKQQRTFEERRELDFSFAL   80
NTDB id 1307 DR RS10055 WP 010888596.1         .MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSFAL   79
NTDB id 1086 NMV RS00245 WP 002218487.1        .....MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFEL   75
NTDB id 1116 NGFG RS10615 WP 003690200.1       .....MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFEL   75
NTDB id 1185 GTF74 RS11940 WP 000350195.1      .....MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFEL   75
NTDB id 1176 A1552VC RS01160 WP 000350195.1   .....MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFEL   75
NTDB id 1283 ACE17W RS02630 WP 010947729.1    .....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEI   75
NTDB id 1259 GC085 RS10305 WP 010947729.1      .....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEI   75
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NTDB id 1194 PAKAF RS01995 WP 003084552.1      .....MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSFEV   75
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1      .....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEV   75
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NTDB id 1040 HON27 RS13360 WP 000355489.1      .....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEV   75
consensus                                       ******!***  **  *!!*****!**!*****!********  ***  **  **********!******  *!  *!****
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logo
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NTDB id 1102634 D3W47 RS03055 WP 119673882.1  .GEKARFRVNAFMQRGNVGGVLRLIPTKIKSAQEMGLPANVIEIANSPRGLVLVTGPTGSGKSTTLAAMIDHINTTKRLH   159
NTDB id 1307 DR RS10055 WP 010888596.1         .GDKARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLH   158
NTDB id 1086 NMV RS00245 WP 002218487.1        .PNVARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAH   154
NTDB id 1116 NGFG RS10615 WP 003690200.1       .PNVARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAH   154
NTDB id 1185 GTF74 RS11940 WP 000350195.1      .PNVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKH   154
NTDB id 1176 A1552VC RS01160 WP 000350195.1   .PNVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKH   154
NTDB id 1283 ACE17W RS02630 WP 010947729.1    .ANLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEH   154
NTDB id 1259 GC085 RS10305 WP 010947729.1      .ANLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEH   154
NTDB id 1202 PSJM300 01600 AFN76400.1          .PGVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHH   154
NTDB id 1194 PAKAF RS01995 WP 003084552.1      .PGVARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHH   154
NTDB id 1020 ACIAD RS04210 WP 011182164.1      .PNLARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHRYDH   154
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      .PNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDH   154
NTDB id 1060 ABD1 RS04380 WP 000355489.1       .PNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDH   154
NTDB id 1040 HON27 RS13360 WP 000355489.1      .PNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDH   154
consensus                                       ****!!!!**!**  **  **!*!*!**  *********  ******   **!*****!*!!*!!!!*!!******!   *   !
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logo
NTDB id 1019 ACIAD RS04205 WP 004922051.1      IITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANNAN   235
NTDB id 1102634 D3W47 RS03055 WP 119673882.1   IMTIEDPIEFMHTHKQSIINQREVGADTMSFNDALRAVLRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAP   239
NTDB id 1307 DR RS10055 WP 010888596.1         ILTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAP   238
NTDB id 1086 NMV RS00245 WP 002218487.1        ILTIEDPIEFVHQSKKSLINQRELHQHTLSFANALRSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAA   234
NTDB id 1116 NGFG RS10615 WP 003690200.1       ILTIEDPIEFVHQSKKSLINQRELHQHTLSFANALSSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAA   234
NTDB id 1185 GTF74 RS11940 WP 000350195.1      ILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAA   234
NTDB id 1176 A1552VC RS01160 WP 000350195.1    ILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAA   234
NTDB id 1283 ACE17W RS02630 WP 010947729.1     ILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSAT   234
NTDB id 1259 GC085 RS10305 WP 010947729.1      ILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSAT   234
NTDB id 1202 PSJM300 01600 AFN76400.1          ILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA   234
NTDB id 1194 PAKAF RS01995 WP 003084552.1      ILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA   234
NTDB id 1020 ACIAD RS04210 WP 011182164.1      ILTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA   234
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      ILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA   234
NTDB id 1060 ABD1 RS04380 WP 000355489.1       ILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA   234
NTDB id 1040 HON27 RS13360 WP 000355489.1      ILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA   234
consensus                                      !*!*!!!!!!*! *******!!!****!**!  !!***!!**!!*!!*!!*!* !****!***!!!!!!!**!!!***!*
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logo
NTDB id 1019 ACIAD RS04205 WP 004922051.1      QTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGELGM   315
NTDB id 1102634 D3W47 RS03055 WP 119673882.1   ESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRLDGQGRILAYELLIANPAVRALIREGKTYQITSVMQTGAREGM   319
NTDB id 1307 DR RS10055 WP 010888596.1         ESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGM   318
NTDB id 1086 NMV RS00245 WP 002218487.1        KTVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGM   314
NTDB id 1116 NGFG RS10615 WP 003690200.1       KTVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGM   314
NTDB id 1185 GTF74 RS11940 WP 000350195.1      KTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGM   313
NTDB id 1176 A1552VC RS01160 WP 000350195.1    KTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGM   313
NTDB id 1283 ACE17W RS02630 WP 010947729.1     KTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGM   313
NTDB id 1259 GC085 RS10305 WP 010947729.1      KTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGM   313
NTDB id 1202 PSJM300 01600 AFN76400.1          KTIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLLKK.VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGSLGM   313
NTDB id 1194 PAKAF RS01995 WP 003084552.1      KTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSLGM   313
NTDB id 1020 ACIAD RS04210 WP 011182164.1      KTIDRIIDVFPAEEKDMVRTMLSESLQAVISQTLLKK.EGGGRVAAHEIMIGIPAIRNLIREGKVAQMYSSIQTGATHGM   313
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      KTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGM   313
NTDB id 1060 ABD1 RS04380 WP 000355489.1       KTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGM   313
NTDB id 1040 HON27 RS13360 WP 000355489.1      KTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGM   313
consensus                                      ****!****!***********!***! *!**! !***  ***!****!**** ******!!* ******* *****  !!
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NTDB id 1019 ACIAD RS04205 WP 004922051.1        QTFDQALFDLYDHQHISYADALKHADSPNNLRLQI.KLSEEA............NKPLDNRERMSEMERKMTFDGQRRNL   382
NTDB id 1102634 D3W47 RS03055 WP 119673882.1     VTMDAFLANLYRFRVISFDTGVERAVDSKEFARLANDPSIGTAGGAASMPAGYGQAPVQGFGATVT.PAQGGYASGRNDF   398
NTDB id 1307 DR RS10055 WP 010888596.1           VTMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMT.PA...APPVPAYNSASS.S....STGRGGDF   389
NTDB id 1086 NMV RS00245 WP 002218487.1          QTMDQSLQSLVRQGLIAPEVARRRAQNSESMSF.................................................   347
NTDB id 1116 NGFG RS10615 WP 003690200.1         QTMDQSLQSLVRQGLIAPEAARRRAQNSESMSF.................................................   347
NTDB id 1185 GTF74 RS11940 WP 000350195.1        QTMEQNAKQLIARGVVDAQEVQSKIELDLKAF...................................................   345
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NTDB id 1283 ACE17W RS02630 WP 010947729.1       QTLDQHLTELVNKNIISKHTAHEAALNK.SLF...................................................   344
NTDB id 1259 GCO85 RS10305 WP 010947729.1        QTLDQHLTELVNKNIISKHTAHEAALNK.SLF...................................................   344
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NTDB id 1020 ACIAD RS04210 WP 011182164.1        TTLDQSLKQLLAKGIINLPTARAVAKSP.ESF...................................................   344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1        TTLDQSLKGLVSRGVISPQTARTAAKQP.ESFL..................................................   345
NTDB id 1060 ABD1 RS04380 WP 000355489.1         TTLDQSLKGLVARGVISPQTARTAAKQP.ESFL..................................................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1        TTLDQSLKGLVARGVISPQTARTAAKQP.ESFL..................................................   345
consensus                                        *!*** *  !* *****   *   *      *
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logo

NTDB id 1019 ACIAD RS04205 WP 004922051.1        K..............................   383
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NTDB id 1307 DR RS10055 WP 010888596.1           GRGAAAPATPAAPAAGRSEPGRAGGFGRR   418
NTDB id 1086 NMV RS00245 WP 002218487.1          ..............................   347
NTDB id 1116 NGFG RS10615 WP 003690200.1         ..............................   347
NTDB id 1185 GTF74 RS11940 WP 000350195.1        ..............................   345
NTDB id 1176 A1552VC RS01160 WP 000350195.1      ..............................   345
NTDB id 1283 ACE17W RS02630 WP 010947729.1       ..............................   344
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NTDB id 1202 PSJM300 01600 AFN76400.1            ..............................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1        ..............................   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 ≥ 50% conserved