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logo
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NTDB id 1307 DR RS10055 WP 010888596.1         ..MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSFA   78
NTDB id 1086 NMV RS00245 WP 002218487.1        ......MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFE   74
NTDB id 1116 NGFG RS10615 WP 003690200.1       ......MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFE   74
NTDB id 1185 GTF74 RS11940 WP 000350195.1      ......MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFE   74
NTDB id 1176 A1552VC RS01160 WP 000350195.1    ......MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFE   74
NTDB id 1283 ACE17W RS02630 WP 010947729.1     ......MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFE   74
NTDB id 1259 GC085 RS10305 WP 010947729.1      ......MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFE   74
NTDB id 1202 PSJM300 01600 AFN76400.1          ......MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFE   74
NTDB id 1194 PAKAF RS01995 WP 003084552.1      ......MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSFE   74
NTDB id 1020 ACIAD RS04210 WP 011182164.1      ......MDITELLAFSVQNRASDLHLSAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRRDYEEKLETDFSFE   74
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      ......MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFE   74
NTDB id 1060 ABD1 RS04380 WP 000355489.1       ......MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFE   74
NTDB id 1040 HON27 RS13360 WP 000355489.1      ......MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFE   74
consensus                                        **!***!****** *!!*****!**!*****!******** *** *********!!**!********!*!!!!*

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NTDB id 1094065 ACINK0 RS09750 WP 339096541.1  LGDKARFRVNAFMQRGNVGGVMRLIPTTVKTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINQTKKVH  160
NTDB id 1307 DR RS10055 WP 010888596.1         LGDKARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLH  158
NTDB id 1086 NMV RS00245 WP 002218487.1        LPNVARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAH  154
NTDB id 1116 NGFG RS10615 WP 003690200.1       LPNVARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAH  154
NTDB id 1185 GTF74 RS11940 WP 000350195.1      LPNVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKH  154
NTDB id 1176 A1552VC RS01160 WP 000350195.1    LPNVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKH  154
NTDB id 1283 ACE17W RS02630 WP 010947729.1     IANLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEH  154
NTDB id 1259 GC085 RS10305 WP 010947729.1      IANLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEH  154
NTDB id 1202 PSJM300 01600 AFN76400.1          VPGVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHH  154
NTDB id 1194 PAKAF RS01995 WP 003084552.1      VPGVARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHH  154
NTDB id 1020 ACIAD RS04210 WP 011182164.1      VPNLARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHRYDH  154
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      VPNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDH  154
NTDB id 1060 ABD1 RS04380 WP 000355489.1       VPNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDH  154
NTDB id 1040 HON27 RS13360 WP 000355489.1      VPNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDH  154
consensus                                      *****!!!!!*!** *****!*!*!!* ********** **********!*!!!!!!!!!!!!!!!!!******! *** !

logo
NTDB id 1094065 ACINK0 RS09750 WP 339096541.1  ILTIEDPIEFMHPNKASIINQREVGADTLSFNDALRAALRQAPDVILVGEMRDYETIKAAVTAATAETGHLVMGTLHTNSAP  240
NTDB id 1307 DR RS10055 WP 010888596.1         ILTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAATAETGHLVMGTLHTNSAP  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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NTDB id 1094065 ACINKO RS09750 WP 339096541.1  ESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILIANPAVRALIREGKTFQITSVMQTGAREGM  320
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 1307 DR RS10055 WP 010888596.1          VTMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSAS...SSSTGRGGDFGRGAAA  395
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
NTDB id 1176 A1552VC RS01160 WP 000350195.1     QTMEQNAKQLIARGVVDAQEVQSKIELDLKAF................................................  345
NTDB id 1283 ACE17W RS02630 WP 010947729.1      QTLDQHLTELVNKNIISKHTAHEAALNK.SLF................................................  344
NTDB id 1259 GC085 RS10305 WP 010947729.1       QTLDQHLTELVNKNIISKHTAHEAALNK.SLF................................................  344
NTDB id 1202 PSJM300 01600 AFN76400.1          QTLDSCLKGLLAKGLISRDSAKEKAKQP.ENF................................................  344
NTDB id 1194 PAKAF RS01995 WP 003084552.1       QTLDMCLKGLVAKGLISRENAREKAKIP.ENF................................................  344
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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NTDB id 1094065 ACINKO RS09750 WP 339096541.1  PAAPTAPARPETPRSDSGRDPGRGGGFGRR  430
NTDB id 1307 DR RS10055 WP 010888596.1          PATPAAPAAG.......RSEPGRAGGFGRR  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
NTDB id 1259 GC085 RS10305 WP 010947729.1       ..............................  344
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 $\geq$50% conserved