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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 1185 GTF74 RS11940 WP 000350195.1   ....MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFELP  76
NTDB id 1176 A1552VC RS01160 WP 000350195.1 ....MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFELP  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
NTDB id 1020 ACIAD RS04210 WP 011182164.1   ....MDITELLAFSVQNRASDLHLSAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRRDYEEKLETDFSFEVP  76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1   ....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP  76
NTDB id 1060 ABD1 RS04380 WP 000355489.1    ....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP  76
NTDB id 1040 HON27 RS13360 WP 000355489.1   ....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEVP  76
NTDB id 193219 BE845 RS12000 WP 011216215.1 ....MDITPFFKLMVDKGASDLFFSVGAPPNIKIEGITSPIGQVPIKSNQMAEIVLSIMNDAQQKEFESKMELNMAFSLA  76
NTDB id 1177 A1552VC RS01165 WP 000422572.1 ....MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEAL.SVADVTALLHAMMDDARQAEFKQTREANFAVVRD  75
NTDB id 1203 PSJM300 01605 AFN76401.1       ....MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKTPMSPEMTRETVHGVMNEQQRREFTENHECNFAISAR  76
NTDB id 1019 ACIAD RS04205 WP 004922051.1   ....MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKTKLDGDMIAQLIDSITTQKQRQEFIETHECNFAILNR  76
consensus                                    ******************* *!!*****!********!********* * * **  ****************** *! *******
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NTDB id 1116 NGFG RS10615 WP 003690200.1    N.VARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI 155
NTDB id 1086 NMV RS00245 WP 002218487.1     N.VARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI 155
NTDB id 1185 GTF74 RS11940 WP 000350195.1   N.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHI 155
NTDB id 1176 A1552VC RS01160 WP 000350195.1 N.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHI 155
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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
NTDB id 1020 ACIAD RS04210 WP 011182164.1   N.LARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHRYDHI 155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1   N.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHI 155
NTDB id 1060 ABD1 RS04380 WP 000355489.1    N.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHI 155
NTDB id 1040 HON27 RS13360 WP 000355489.1   N.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHI 155
NTDB id 193219 BE845 RS12000 WP 011216215.1 G.VGRFRINLFRQRGEVAMVVRYIKGEIPSIEDLNLPQILKSLVLELRGLVLVVGSTGSGKSTTLAAMINHRNENHRGHI 155
NTDB id 1177 A1552VC RS01165 WP 000422572.1 ..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGHI 153
NTDB id 1203 PSJM300 01605 AFN76401.1       G.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHI 155
NTDB id 1019 ACIAD RS04205 WP 004922051.1   EKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSKGHI 156
consensus                                    * **!!!***!** ** **!*!*!** ******* ** *** **    *!*****!*!!*!!!!**!*** **!  *  !!
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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 1185 GTF74 RS11940 WP 000350195.1   LTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAK  235
NTDB id 1176 A1552VC RS01160 WP 000350195.1 LTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAK  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
NTDB id 1020 ACIAD RS04210 WP 011182164.1   LTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
NTDB id 1081 FDQ49 RS05335 WP 006581387.1   LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
NTDB id 1060 ABD1 RS04380 WP 000355489.1    LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
NTDB id 1040 HON27 RS13360 WP 000355489.1   LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK  235
NTDB id 193219 BE845 RS12000 WP 011216215.1 LTIEDPIEYIHQHKKSIVDQREIGIDTLSYDNALKNAMREAPDVILIGEIRDLNSMKHAIAYAETGHLCISTLHANNANQ  235
NTDB id 1177 A1552VC RS01165 WP 000422572.1 LTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHANNANQ  233
NTDB id 1203 PSJM300 01605 AFN76401.1       ISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNANQ  235
NTDB id 1019 ACIAD RS04205 WP 004922051.1   ITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHANNANQ  236
consensus                                   ***!!!!!**!  ******!!!*****! **  !!****!**!!*!!*!!*!* *****!***!!!!!!***!!!***!**
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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 1185 GTF74 RS11940 WP 000350195.1   TIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGMQ  314
NTDB id 1176 A1552VC RS01160 WP 000350195.1 TIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGMQ  314
NTDB id 1283 ACE17W RS02630 WP 010947729.1  TINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQ  314
NTDB id 1259 GCO85 RS10305 WP 010947729.1   TINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQ  314
NTDB id 1194 PAKAF RS01995 WP 003084552.1   TIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSLGMQ  314
NTDB id 1202 PSJM300 01600 AFN76400.1       TIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLLKK.VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGSLGMQ  314
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1   TIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMT  314
NTDB id 1060 ABD1 RS04380 WP 000355489.1    TIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMT  314
NTDB id 1040 HON27 RS13360 WP 000355489.1   TIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMT  314
NTDB id 193219 BE845 RS12000 WP 011216215.1 ALDRVINFFPDEARQQILLDLSLNLKAISLRLIPGVDNQ.RVAAVEILINSPYISDLIEKGKIDDIKEAMARSTEQGMQ  314
NTDB id 1177 A1552VC RS01165 WP 000422572.1 ALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQEVGMQ  313
NTDB id 1203 PSJM300 01605 AFN76401.1       ALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGMQ  315
NTDB id 1019 ACIAD RS04205 WP 004922051.1   TLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSGELGMQ  316
consensus                                   ***!*************** *!***! ***** !***  ***!****!*************!** ******* *****  !!*
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NTDB id 1307 DR RS10055 WP 010888596.1 TMDAYLAGLFRRHLITYDKGLERAID.PKEFA..RLANDASAGLGGA.SMTPAAPPVPAYNSASSSSTGRGGDFGRGAAA 395
NTDB id 1116 NGFG RS10615 WP 003690200.1 TMDQSLQSLVRQGLIAPEAARRRAQNSESMSF..................................... 347
NTDB id 1086 NMV RS00245 WP 002218487.1 TMDQSLQSLVRQGLIAPEVARRRAQNSESMSF..................................... 347
NTDB id 1185 GTF74 RS11940 WP 000350195.1 TMEQNAKQLIARGVVDAQEVQSKIELDLKAF..................................... 345
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NTDB id 1283 ACE17W RS02630 WP 010947729.1 TLDQHLTELVNKNIISKHTAHEAALN.KSLF..................................... 344
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NTDB id 1194 PAKAF RS01995 WP 003084552.1 TLDMCLKGLVAKGLISRENAREKAKI.PENF..................................... 344
NTDB id 1202 PSJM300 01600 AFN76400.1 TLDSCLKGLLAKGLISRDSAKEKAKQ.PENF..................................... 344
NTDB id 1020 ACIAD RS04210 WP 011182164.1 TLDQSLKQLLAKGIINLPTARAVAKS.PESF..................................... 344
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NTDB id 193219 BE845 RS12000 WP 011216215.1 TFDQALFNLYKEGKITKENAIKYADSKNNVGLQIRLGEEKSFNIQDE......NLQ........IQPDDIDKV....... 373
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NTDB id 1203 PSJM300 01605 AFN76401.1 TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTLE........MSDDDPGRSFR..... 381
NTDB id 1019 ACIAD RS04205 WP 004922051.1 TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEMERK........MTFDGQRRNLK..... 383
consensus                           !*** *  !* *****   *   *       *

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NTDB id 1307 DR RS10055 WP 010888596.1 PATPAAPAAGRSEPGRAGGFGRR 418
NTDB id 1116 NGFG RS10615 WP 003690200.1 ....................... 347
NTDB id 1086 NMV RS00245 WP 002218487.1 ....................... 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 GCO85 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
NTDB id 193219 BE845 RS12000 WP 011216215.1 ....................... 373
NTDB id 1177 A1552VC RS01165 WP 000422572.1 ....................... 368
NTDB id 1203 PSJM300 01605 AFN76401.1 ....................... 381
NTDB id 1019 ACIAD RS04205 WP 004922051.1 ....................... 383
consensus
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X non conserved
X similar
X ≥ 50% conserved