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logo
NTDB id 1203 PSJM300 01605 AFN76401.1        ....MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNK.TPMSPEMTRETVHGVMNEQQRREFTENHECNFAISA   75
NTDB id 23109 PLU RS05835 WP 011145508.1     ....MNMDKLVALSVKHNASDLHLCIGQVPVLRINGVLCPQTQLQSVNNLLLEEWSRQFLSENQRQQLLTSGHVDFALET   76
NTDB id 1307 DR RS10055 WP 010888596.1       MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGF.EPLSASDTRKLMYSMMNERQQRIFEEKRELDFSFAL   79
NTDB id 1116 NGFG RS10615 WP 003690200.1     ....MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINL.PEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFEL   75
NTDB id 1086 NMV RS00245 WP 002218487.1      ....MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINL.PEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFEL   75
NTDB id 1185 GTF74 RS11940 WP 000350195.1    ....MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGV.PAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFEL   75
NTDB id 1176 A1552VC RS01160 WP 000350195.1 ....MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGV.PAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFEL   75
NTDB id 1283 ACE17W RS02630 WP 010947729.1  ....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINL.PPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEI   75
NTDB id 1259 GC085 RS10305 WP 010947729.1    ....MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINL.PPLEHKDVIKIIYDIMNDRQRKEYEEFFETDFSFEI   75
NTDB id 1194 PAKAF RS01995 WP 003084552.1    ....MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINL.PPLEHKQVHALIYDIMNDKQRKDFEEFLETDFSFEV   75
NTDB id 1202 PSJM300 01600 AFN76400.1        ....MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINL.PAMDHKQVHALIYDIMNDKQRKDFEEFLETDFSFEV   75
NTDB id 1020 ACIAD RS04210 WP 011182164.1    ....MDITELLAFSVQNRASDLHLSAGIPPMIRVDGEVRRINL.PAMDHSEVHNLIYDIMNDKQRRDYEEKLETDFSFEV   75
NTDB id 1060 ABD1 RS04380 WP 000355489.1     ....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINL.PALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEV   75
NTDB id 1040 HON27 RS13360 WP 000355489.1    ....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINL.PALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEV   75
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    ....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINL.PALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEV   75
consensus                                     ************ *!!*****!**!******!******* * * * **  *********!****** ** *!****

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NTDB id 1203 PSJM300 01605 AFN76401.1        RGIGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLAL.TKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGH   154
NTDB id 23109 PLU RS05835 WP 011145508.1     ENGQRLRGNIFRQHSGLSAVLRLIHSQCSTLEQLKAPEIIREMALREESGLILVTGATGSGKSTTLTAIVDMLNSHCCQH   156
NTDB id 1307 DR RS10055 WP 010888596.1       GDKARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIAN.APRGLVLVTGPTGSGKSTTLASMIDHINTTKKLH   158
NTDB id 1116 NGFG RS10615 WP 003690200.1     PNVARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAE.SPRGMVLVTGPTGSGKSTTLAAMINYINETQPAH   154
NTDB id 1086 NMV RS00245 WP 002218487.1      PNVARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAE.SPRGMVLVTGPTGSGKSTTLAAMINYINETQPAH   154
NTDB id 1185 GTF74 RS11940 WP 000350195.1    PNVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIAN.YEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKH   154
NTDB id 1176 A1552VC RS01160 WP 000350195.1 PNVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIAN.YEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKH   154
NTDB id 1283 ACE17W RS02630 WP 010947729.1  ANLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMAS.FSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEH   154
NTDB id 1259 GC085 RS10305 WP 010947729.1    ANLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMAS.FSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEH   154
NTDB id 1194 PAKAF RS01995 WP 003084552.1    PGVARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSD.VPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHH   154
NTDB id 1202 PSJM300 01600 AFN76400.1        PGVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITD.VPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHH   154
NTDB id 1020 ACIAD RS04210 WP 011182164.1    PNLARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICD.YPRGLVLVTGPTGSGKSTTLAAMLDYINNHRYDH   154
NTDB id 1060 ABD1 RS04380 WP 000355489.1     PNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICD.YPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDH   154
NTDB id 1040 HON27 RS13360 WP 000355489.1    PNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICD.YPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDH   154
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    PNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICD.YPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDH   154
consensus                                    ****!*!***!** *****!*!*!** ********** *** **   **!**!**!*!!*!!!!*!*******!  *  !
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NTDB id 1203 PSJM300 01605 AFN76401.1        IISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHANNAN   234
NTDB id 23109 PLU RS05835 WP 011145508.1     IITLEDPVEFIHHSRNCLIQQRQIGLDSPSYQAALKGALRQDPDVLLLGELRDKETIRLALTAAETGHLVLSTLHTRGAV   236
NTDB id 1307 DR RS10055 WP 010888596.1       ILTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAP   238
NTDB id 1116 NGFG RS10615 WP 003690200.1     ILTIEDPIEFVHQSKKSLINQRELHQHTLSFANALSSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAA   234
NTDB id 1086 NMV RS00245 WP 002218487.1      ILTIEDPIEFVHQSKKSLINQRELHQHTLSFANALRSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAA   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 1194 PAKAF RS01995 WP 003084552.1    ILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA   234
NTDB id 1202 PSJM300 01600 AFN76400.1        ILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA   234
NTDB id 1020 ACIAD RS04210 WP 011182164.1    ILTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA   234
NTDB id 1060 ABD1 RS04380 WP 000355489.1     ILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA   234
NTDB id 1040 HON27 RS13360 WP 000355489.1    ILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA   234
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    ILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAA   234
consensus                                    !***!!!*!!*! ******!!****** **  !!***!!**!!**!*!!*!* !!***!***!!!!!!***!!!****!*
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NTDB id 1203 PSJM300 01605 AFN76401.1        QALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRSTDLGM   314
NTDB id 23109 PLU RS05835 WP 011145508.1     QAIDRLVDIFSAEEKGWVRSQLAGSLKAVIAQQLVSA.QGGGRVAIYEVLVVNQAVSHLIREGKNHQITTLMQTGAASGM   315
NTDB id 1307 DR RS10055 WP 010888596.1       ESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGM   318
NTDB id 1116 NGFG RS10615 WP 003690200.1     KTVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGM   314
NTDB id 1086 NMV RS00245 WP 002218487.1      KTVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGM   314
NTDB id 1185 GTF74 RS11940 WP 000350195.1    KTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGM   313
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NTDB id 1283 ACE17W RS02630 WP 010947729.1   KTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGM   313
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NTDB id 1194 PAKAF RS01995 WP 003084552.1    KTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSLGM   313
NTDB id 1202 PSJM300 01600 AFN76400.1        KTIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLLKK.VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGSLGM   313
NTDB id 1020 ACIAD RS04210 WP 011182164.1    KTIDRIIDVFPAEEKDMVRTMLSESLQAVISQTLLKK.EGGGRVAAHEIMIGIPAIRNLIREGKVAQMYSSIQTGATHGM   313
NTDB id 1060 ABD1 RS04380 WP 000355489.1     KTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGM   313
NTDB id 1040 HON27 RS13360 WP 000355489.1    KTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGM   313
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    KTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGM   313
consensus                                    ****!****!*****************!***! ****! !***  **!!****!**** *****!!!* ******* *****  !!
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logo
                                          QTLDQsLKSLVARGLLSQTAREAKN PEsFL
                                          T|MEAAERRQNLYDDEEMLLERDKARRLAYKLSSETDGEHLTSVSQGLTLYNSAESSDDDRGRSFRGAAAPA
NTDB id 1203 PSJM300 01605 AFN76401.1     QTFDQALYNLYVQGEITYEDALLHADSSNDLR..LMIKLGSETDGEHLTSVSQGLTL....EMSDDDPGRSFR.......   381
NTDB id 23109 PLU RS05835 WP 011145508.1  QTYEQGWQQRKLQGLLAEQTERKIKENAIS.......................................................   345
NTDB id 1307 DR RS10055 WP 010888596.1    VTMDAYLAGLFRRHLITYDKGLERAID.PKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAAAPA   397
NTDB id 1116 NGFG RS10615 WP 003690200.1  QTMDQSLQSLVRQGLIAPEAARRRAQNSESMSF...................................................   347
NTDB id 1086 NMV RS00245 WP 002218487.1   QTMDQSLQSLVRQGLIAPEVARRRAQNSESMSF...................................................   347
NTDB id 1185 GTF74 RS11940 WP 000350195.1 QTMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....................................................   345
NTDB id 1176 A1552VC RS01160 WP 000350195.1 QTMEQNAKQLIARGVVDAQEVQSKIELDLKAF...................................................   345
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NTDB id 1194 PAKAF RS01995 WP 003084552.1 QTLDMCLKGLVAKGLISRENAREKAKI.PENF.....................................................   344
NTDB id 1202 PSJM300 01600 AFN76400.1     QTLDSCLKGLLAKGLISRDSAKEKAKQ.PENF.....................................................   344
NTDB id 1020 ACIAD RS04210 WP 011182164.1 TTLDQSLKQLLAKGIINLPTARAVAKS.PESF.....................................................   344
NTDB id 1060 ABD1 RS04380 WP 000355489.1  TTLDQSLKGLVARGVISPQTARTAAKQ.PESFL....................................................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1 TTLDQSLKGLVARGVISPQTARTAAKQ.PESFL....................................................   345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1 TTLDQSLKGLVSRGVISPQTARTAAKQ.PESFL....................................................   345
consensus                                 *!*** *  ** *****   **  * *    *
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logo
                                          TPAAPAAGRSEPGRAGGFGRR
NTDB id 1203 PSJM300 01605 AFN76401.1     ......................   381
NTDB id 23109 PLU RS05835 WP 011145508.1  ......................   345
NTDB id 1307 DR RS10055 WP 010888596.1    TPAAPAAGRSEPGRAGGFGRR   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 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 1060 ABD1 RS04380 WP 000355489.1  ......................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1 ......................   345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1 ......................   345
consensus
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X non conserved
X similar
X $\geq$ 50% conserved