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logo
NTDB id 1177 A1552VC RS01165 WP 000422572.1  ........MELNQYLDGMLTHKASDLYITVGAPILYRVDGELRAQGEA.L.SVADVTALLHAMMDDARQAEFKQTREANF   70
NTDB id 1203 PSJM300 01605 AFN76401.1        ........MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNGKILPVNKT.PMSPEMTRETVHGVMNEQQRREFTENHECNF   71
NTDB id 1019 ACIAD RS04205 WP 004922051.1    ........MDFNDLLNLMAKHKASDLFITAGVEPSLKINGEITPVSKT.KLDGDMIAQLIDSITTQKQRQEFIETHECNF   71
NTDB id 33662 GAU RS13210 WP 015894380.1     MTAPAPSTISLRTLLDEMIERDASDLHVSAGDRPKLRVDGDIVSATVEHVLTPRDTLQLAYSVLTENQKKRFEMEDELDF   80
NTDB id 1307 DR RS10055 WP 010888596.1       ....MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFE.PLSASDTRKLMYSMMNERQQRIFEEKRELDF   75
NTDB id 1116 NGFG RS10615 WP 003690200.1     ........MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLP.EMSAEEVGNMVTSVMNDHQRKIYQQNLEVDF   71
NTDB id 1086 NMV RS00245 WP 002218487.1      ........MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLP.EMSAEEVGNMVTSVMNDHQRKIYQQNLEVDF   71
NTDB id 1185 GTF74 RS11940 WP 000350195.1    ........MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVP.AFTHSDVHRLIFEIMNDAQRSEYEEKLEVDF   71
NTDB id 1176 A1552VC RS01160 WP 000350195.1 ........MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVP.AFTHSDVHRLIFEIMNDAQRSEYEEKLEVDF   71
NTDB id 1283 ACE17W RS02630 WP 010947729.1  ........MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLP.PLEHKDVIKIIYDIMNDRQRKEYEEFFETDF   71
NTDB id 1259 GC085 RS10305 WP 010947729.1    ........MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLP.PLEHKDVIKIIYDIMNDRQRKEYEEFFETDF   71
NTDB id 1202 PSJM300 01600 AFN76400.1        ........MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLP.AMDHKQVHALIYDIMNDKQRKDFEEFLETDF   71
NTDB id 1194 PAKAF RS01995 WP 003084552.1    ........MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLP.PLEHKQVHALIYDIMNDKQRKDFEEFLETDF   71
NTDB id 1020 ACIAD RS04210 WP 011182164.1    ........MDITELLAFSVQNRASDLHLSAGIPPMIRVDGEVRRINLP.AMDHSEVHNLIYDIMNDKQRRDYEEKLETDF   71
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    ........MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLP.ALEHKDVHRLVYDIMNDKQRRDYEEKLETDF   71
NTDB id 1060 ABD1 RS04380 WP 000355489.1     ........MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLP.ALEHKDVHRLVYDIMNDKQRRDYEEKLETDF   71
NTDB id 1040 HON27 RS13360 WP 000355489.1    ........MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLP.ALEHKDVHRLVYDIMNDKQRRDYEEKLETDF   71
consensus                                            *** **!****** *!!*****!********!********  * * **  ********************** *! *!
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NTDB id 1177 A1552VC RS01165 WP 000422572.1  AVVRD..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQH  148
NTDB id 1203 PSJM300 01605 AFN76401.1        AISARG.IGRFRVSAFYQRNLAGMVLRRIETNIPTIEDLKLPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKN  150
NTDB id 1019 ACIAD RS04205 WP 004922051.1    AILNREKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQH  151
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NTDB id 1307 DR RS10055 WP 010888596.1       SFALGD.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTT  154
NTDB id 1116 NGFG RS10615 WP 003690200.1     SFELPN.VARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINET  150
NTDB id 1086 NMV RS00245 WP 002218487.1      SFELPN.VARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINET  150
NTDB id 1185 GTF74 RS11940 WP 000350195.1    SFELPN.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAH  150
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NTDB id 1283 ACE17W RS02630 WP 010947729.1  SFEIAN.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSS  150
NTDB id 1259 GC085 RS10305 WP 010947729.1    SFEIAN.LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSS  150
NTDB id 1202 PSJM300 01600 AFN76400.1        SFEVPG.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNT  150
NTDB id 1194 PAKAF RS01995 WP 003084552.1    SFEVPG.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNT  150
NTDB id 1020 ACIAD RS04210 WP 011182164.1    SFEVPN.LARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNH  150
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    SFEVPN.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINEN  150
NTDB id 1060 ABD1 RS04380 WP 000355489.1     SFEVPN.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINEN  150
NTDB id 1040 HON27 RS13360 WP 000355489.1    SFEVPN.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINEN  150
consensus                                    ****** **!!!***!** ** **!*!*!** ******* ** *** **  **!*****!*!!*!!!!**!******!
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NTDB id 1177 A1552VC RS01165 WP 000422572.1   RTGHILTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAPDMILIGEIRSRETMEYAMTFAETGHLCMATLHA   228
NTDB id 1203 PSJM300 01605 AFN76401.1         SSGHIISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAPDVILIGEVRTRETMDHAVAFAETGHLCLATLHA   230
NTDB id 1019 ACIAD RS04205 WP 004922051.1     SKGHIITIEDPIEFIHEHAGCIITQREVGIDTDSFEIALKNTLRQAPDVILIGEIRSREVMDYALAFAETGHLVFATLHA   231
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NTDB id 1116 NGFG RS10615 WP 003690200.1      QPAHILTIEDPIEFVHQSKKSLINQRELHQHTLSFANALSSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHT   230
NTDB id 1086 NMV RS00245 WP 002218487.1       QPAHILTIEDPIEFVHQSKKSLINQRELHQHTLSFANALRSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHT   230
NTDB id 1185 GTF74 RS11940 WP 000350195.1     HNKHILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHT   230
NTDB id 1176 A1552VC RS01160 WP 000350195.1   HNKHILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHT   230
NTDB id 1283 ACE17W RS02630 WP 010947729.1    RYEHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHT   230
NTDB id 1259 GC085 RS10305 WP 010947729.1     RYEHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHT   230
NTDB id 1202 PSJM300 01600 AFN76400.1         KYHHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHT   230
NTDB id 1194 PAKAF RS01995 WP 003084552.1     KYHHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHT   230
NTDB id 1020 ACIAD RS04210 WP 011182164.1     RYDHILTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHT   230
NTDB id 1081 FDQ49 RS05335 WP 006581387.1     RYDHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHT   230
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NTDB id 1040 HON27 RS13360 WP 000355489.1     RYDHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHT   230
consensus                                     *  !!***!!!!!!!*  ******!!!****! **  !!***!!**!!*!!*!!*!* !** *!***!!!!!!***!!!*

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NTDB id 1177 A1552VC RS01165 WP 000422572.1   NNANQALERILHLVPKEQREQFLLDLSLNLKGVIAQQLLRDKNGKGRHGVFEVLLNSPRIADLIRRGELHELKATMARSQ   308
NTDB id 1203 PSJM300 01605 AFN76401.1         NNANQALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVPTPDGKGRRAVIEVLINTPLAADLIRKGEVHELKGLMKRST   310
NTDB id 1019 ACIAD RS04205 WP 004922051.1     NNANQTLERIIHFFDADRHQQIFMDLSLNLKAVISQQLIPTHDGQSRRAAVEVLINTPLLSDYIRQGEIYKIKELMARSG   311
NTDB id 33662 GAU RS13210 WP 015894380.1      NSAAEAINRIIDVFPSHQQSQVRAQLAFVLEGIITQVLLPRLTGRGRAMAAEILVVTPAIRALIRDDKVHQIYSLMQSGK   319
NTDB id 1307 DR RS10055 WP 010888596.1        NSAPESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGA   314
NTDB id 1116 NGFG RS10615 WP 003690200.1      TGAAKTVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQ   310
NTDB id 1086 NMV RS00245 WP 002218487.1       TGAAKTVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQ   310
NTDB id 1185 GTF74 RS11940 WP 000350195.1     SSAAKTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGA   309
NTDB id 1176 A1552VC RS01160 WP 000350195.1   SSAAKTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGA   309
NTDB id 1283 ACE17W RS02630 WP 010947729.1    NSATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQ   309
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NTDB id 1194 PAKAF RS01995 WP 003084552.1     TSAAKTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGG   309
NTDB id 1020 ACIAD RS04210 WP 011182164.1     TSAAKTIDRIIDVFPAEEKDMVRTMLSESLQAVISQTLLKK.EGGGRVAAHEIMIGIPAIRNLIREGKVAQMYSSIQTGA   309
NTDB id 1081 FDQ49 RS05335 WP 006581387.1     TSAAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGA   309
NTDB id 1060 ABD1 RS04380 WP 000355489.1      TSAAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGA   309
NTDB id 1040 HON27 RS13360 WP 000355489.1     TSAAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGA   309
consensus                                     **!*****!*************** *!***! ****! !***  ***!****!************!!* ******* *****
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logo

NTDB id 1177 A1552VC RS01165 WP 000422572.1  EVGMQTFDQALYQLVVDDKISEQDALHSADSANDLRLMLKTKRGDDY...GSGSLQNVKID....ME.............  368
NTDB id 1203 PSJM300 01605 AFN76401.1        DLGMQTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTLE....MSDDDPGRSFR....  381
NTDB id 1019 ACIAD RS04205 WP 004922051.1    ELGMQTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEMERK....MTFDGQRRNLK....  383
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NTDB id 1307 DR RS10055 WP 010888596.1       REGMVTMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA  394
NTDB id 1116 NGFG RS10615 WP 003690200.1     ASGMQTMDQSLQSLVRQGLIAPEAARRRAQNSESMSF.......................................  347
NTDB id 1086 NMV RS00245 WP 002218487.1      ASGMQTMDQSLQSLVRQGLIAPEVARRRAQNSESMSF.......................................  347
NTDB id 1185 GTF74 RS11940 WP 000350195.1    AHGMQTMEQNAKQLIARGVVDAQEVQSKIELDLKAF........................................  345
NTDB id 1176 A1552VC RS01160 WP 000350195.1  AHGMQTMEQNAKQLIARGVVDAQEVQSKIELDLKAF........................................  345
NTDB id 1283 ACE17W RS02630 WP 010947729.1   AKGMQTLDQHLTELVNKNIISKHTAHEAALNK.SLF........................................  344
NTDB id 1259 GC085 RS10305 WP 010947729.1    AKGMQTLDQHLTELVNKNIISKHTAHEAALNK.SLF........................................  344
NTDB id 1202 PSJM300 01600 AFN76400.1        SLGMQTLDSCLKGLLAKGLISRDSAKEKAKQP.ENF........................................  344
NTDB id 1194 PAKAF RS01995 WP 003084552.1    SLGMQTLDMCLKGLVAKGLISRENAREKAKIP.ENF........................................  344
NTDB id 1020 ACIAD RS04210 WP 011182164.1    THGMTTLDQSLKQLLAKGIINLPTARAVAKSP.ESF........................................  344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    NHGMTTLDQSLKGLVSRGVISPQTARTAAKQP.ESFL.......................................  345
NTDB id 1060 ABD1 RS04380 WP 000355489.1     NHGMTTLDQSLKGLVARGVISPQTARTAAKQP.ESFL.......................................  345
NTDB id 1040 HON27 RS13360 WP 000355489.1    NHGMTTLDQSLKGLVARGVISPQTARTAAKQP.ESFL.......................................  345
consensus                                      !!*!*** *  !* *****   *   *    * *
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logo
                                             
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
NTDB id 33662 GAU RS13210 WP 015894380.1     AG.......AKR............  388
NTDB id 1307 DR RS10055 WP 010888596.1       APATPAAPAAGRSEPGRAGGFGRR  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
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NTDB id 1202 PSJM300 01600 AFN76400.1        ........................  344
NTDB id 1194 PAKAF RS01995 WP 003084552.1    ........................  344
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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