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NTDB id 1177 A1552VC RS01165 WP 000422572.1 ... MEINQYL DGM LTHKASDLY ITVGAPILY RVDGEL RAQGEAL . SVADVTALLHAMDDARQAEEFKQTREANFAVVRD 75

NTDB id 1019 ACIAD RS04205 WP 004922051.1 ... MDFNDLLNLMAKHKASDLF ITAGVEPSL KINGEITPVSKTKLDGDM IAQLIDSITTQKRQFEF IETHECNFAILNR 76

NTDB id 175265 A3K91 RS01710 WP 062843733.1 ... MDIDKLLQLMINKNGSDLF ITADVAPSMKINGKILPVGKTPLSADQTMRLVKGVMTPSQKKEFEETNECQFAISDE 76

NTDB id 1203 PSJM300 01605 AFN76401.1 ... MEFEKLLRLMVEKGGSDLF ITAGVPPSMKVNGKILPVNKTPMSPEMTRRET VHGVMNEQQRRREFTENHECNFAISAR 76

NTDB id 1307 DR RS10055 WP 010888596.1 MTSGLDITDILRLAADKASDII LAAGLPPQFKLSGDYDAQGFELASASDTRKLMYSMMNERQQRIFEEKRELD FSFALG 80

NTDB id 1185 GTF74 RS11940 WP 000350195.1 ... MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGVEVRKLGVPFATHSDVHRLIFEIMNDAQRSEYEKLEVD FSFELP 76

NTDB id 1176 A1552VC RS01160 WP 000350195.1 ... MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGVEVRKLGVPFATHSDVHRLIFEIMNDAQRSEYEKLEVD FSFELP 76

NTDB id 1283 ACE17W RS02630 WP 010947729.1 ... MDIAELLA FSVKKNKSSDLHLSAGMPPMIRVDGLRKLINLPPLEHKDVIKIIFYDIMNDRQRKEYEEFFETD FSFEIA 76

NTDB id 1259 GC085 RS10305 WP 010947729.1 ... MDIAELLA FSVKKNKSSDLHLSAGMPPMIRVDGLRKLINLPPLEHKDVIKIIFYDIMNDRQRKEYEEFFETD FSFEIA 76

NTDB id 1194 PAKAF RS01995 WP 003084552.1 ... MDITELLAFSAKQGSASDLHLSAGLPPMIRVDG DVRRINLPPLEHKQVHALIYD IMNDKQRKDFEEFLET D FSFEVP 76

NTDB id 1081 FDQ49 RS05335 WP 006581387.1 ... MDITELLAFSVKNGASDLHLSAGMPPMIRVDGVEVRRINLPALEHKDVHRLVYD IMNDKQRRDYEEKLET D FSFEVP 76

NTDB id 1060 ABD1 RS04380 WP 000355489.1 ... MDITELLAFSVKNGASDLHLSAGMPPMIRVDGVEVRRINLPALEHKDVHRLVYD IMNDKQRRDYEEKLET D FSFEVP 76

NTDB id 1040 HON27 RS13360 WP 000355489.1 ... MDITELLAFSVKNGASDLHLSAGMPPMIRVDGVEVRRINLPALEHKDVHRLVYD IMNDKQRRDYEEKLET D FSFEVP 76

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NTDB id 1177 A1552VC RS01165 WP 000422572.1 ... SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPVLQNLAI AKRGLVLVVGATGSGKSTTMAAMTGYRNQHR TGH 153

NTDB id 1019 ACIAD RS04205 WP 004922051.1 EKNERFRVSAFQQRDMPGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMTIQRHNQHSKGHI 156

NTDB id 175265 A3K91 RS01710 WP 062843733.1 AQQARFRVSAFIQRDMAGMILRKIENKIPTVEELRLPPALKEAMKKRGIILLVGATGTGKSTTLAAMIGHRNHNSHGHI 156

NTDB id 1203 PSJM300 01605 AFN76401.1 G.IGRFRVSAFYQRNLAGMVLRIETNIPTIEDLKLDPVLKKLALTKRGLVLFVVGATGTGKSTSLAAMIGYRNKNSGGHI 155

NTDB id 1307 DR RS10055 WP 010888596.1 D.KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANARGLVLVTGPTGSGKSTTLASMDIHNTTKKLLHI 159

NTDB id 1185 GTF74 RS11940 WP 000350195.1 N.VGRFRVNAFHQAARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHNNKHI 155

NTDB id 1176 A1552VC RS01160 WP 000350195.1 N.VGRFRVNAFHQAARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHNNKHI 155

NTDB id 1283 ACE17W RS02630 WP 010947729.1 N.LARFRVNAFNAQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHI 155

NTDB id 1259 GC085 RS10305 WP 010947729.1 N.LARFRVNAFNAQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHI 155

NTDB id 1194 PAKAF RS01995 WP 003084552.1 G.VARFRVNAFNAQNRGAGAVFRTIPSKVLTMEELGMEVFKRVDVPRGLVLVTGPTGSGKSTTLAAMDYLNNTKYHHI 155

NTDB id 1081 FDQ49 RS05335 WP 006581387.1 N.VARFRVNAFNAQNRGAGAVFRTIPSKVLTMEELGMEVFKRVDVPRGLVLVTGPTGSGKSTTLAAMDYINENRYDHI 155

NTDB id 1060 ABD1 RS04380 WP 000355489.1 N.VARFRVNAFNAQNRGAGAVFRTIPSKVLTMEELGMEVFKRVDVPRGLVLVTGPTGSGKSTTLAAMDYINENRYDHI 155

NTDB id 1040 HON27 RS13360 WP 000355489.1 N.VARFRVNAFNAQNRGAGAVFRTIPSKVLTMEELGMEVFKRVDVPRGLVLVTGPTGSGKSTTLAAMDYINENRYDHI 155

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NTDB id 1177 A1552VC RS01165 WP 000422572.1 LTVEDPIEFVHEHRCIVTQREVGLDTHSFEVALKNSLRQAPDMLIGEIRSRRETMEYAMTFAETGHL CMAATLHANNANQ 233

NTDB id 1019 ACIAD RS04205 WP 004922051.1 ITIEDPIEFIEHAGCIITQREVGLDTHSFEIALKNTLRQAPDVLIGEIRSRREVMDYALFAAETGHLVFAATLHANNANQ 236

NTDB id 175265 A3K91 RS01710 WP 062843733.1 ITIEDPIEFVHKHRCIITQREVGLDTHSFEAGLKNTLRQAPDVLIGEIRNRVMSYAIQYAETGHLVFAATLHANNANQ 236

NTDB id 1203 PSJM300 01605 AFN76401.1 ISIEDPIEFIEHQHCIVTQREVGLDTHSFEVALKNTLRQAPDVLIGEVRTRETMDHAVAFAETGHLCLATLHANNANQ 235

NTDB id 1307 DR RS10055 WP 010888596.1 LTIEDPIEFMHPNKASIIINQREVGSDTLSFDALRAALRQAPDVLVGEEMRDYETIKAAVTAAETGHLVMTLHTNSAPE 239

NTDB id 1185 GTF74 RS11940 WP 000350195.1 LTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGEIRDQETISLALTAETGHLVFGTLHTSSAAK 235

NTDB id 1176 A1552VC RS01160 WP 000350195.1 LTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGEIRDQETISLALTAETGHLVFGTLHTSSAAK 235

NTDB id 1283 ACE17W RS02630 WP 010947729.1 LTVEDPIEFVHQS KKCLVNQREVHKDTLSFNAAALRSALREDPDIILVGEIRDLETIRLAMTAAETGHLVFGTLHTNSATK 235

NTDB id 1259 GC085 RS10305 WP 010947729.1 LTVEDPIEFVHQS KKCLVNQREVHKDTLSFNAAALRSALREDPDIILVGEIRDLETIRLAMTAAETGHLVFGTLHTNSATK 235

NTDB id 1194 PAKAF RS01995 WP 003084552.1 LTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEIRDLETIRLALTAETGHLVFGTLHTSSAAK 235

NTDB id 1081 FDQ49 RS05335 WP 006581387.1 LTVEDPIEFVHQS KKCLINQREVHRDTHGFNEALRSALREDPDIILVGEIRDLETIRLALTAETGHLVFGTLHTSSAAK 235

NTDB id 1060 ABD1 RS04380 WP 000355489.1 LTVEDPIEFVHQS KKCLINQREVHRDTHGFNEALRSALREDPDIILVGEIRDLETIRLALTAETGHLVFGTLHTSSAAK 235

NTDB id 1040 HON27 RS13360 WP 000355489.1 LTVEDPIEFVHQS KKCLINQREVHRDTHGFNEALRSALREDPDIILVGEIRDLETIRLALTAETGHLVFGTLHTSSAAK 235

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 non conserved
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 $\geq 50\%$ conserved