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NTDB id 1177 A1552VC RS01165 WP 000422572.1MEINQYLIDGMITHKASDLIYITVGPILYRVDCERLRAQGEAL.SVADVTAIITHAMDDARQAEEFKQTRFANFAV	72
NTDB id 1130412 L1X59 RS17615 WP 045265948.1	MERDQASKFIINDLLKLMVARKGSDLFITAEFPATKVDGKVTRLMDQPIVPTHLMARSIMSDKQVAEFERTKECNFAI	80
NTDB id 1203 PSJM300 01605 AFN76401.1	.....MEFEKLLRLMVEKGGSDLFITAGVPPSMKVNKILPVNKTPTMPEMTRRETWHGVNNEQQRRREFTENHECNFAI	73
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....MDFNDLLNLMAKHKASDLFITACVEPSLKNCEITPVSKTKLDGDMIAQLDSITITGKQRQEFIEHECNFAI	73
NTDB id 1307 DR RS10055 WP 010888596.1	...MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPILSASDTRKLMYSMMNERQQNIFEEKRELDFSF	77
NTDB id 1185 GTF74 RS11940 WP 000350195.1	.....MDIAELLEFSVKHNASDLHLSACVPPMVRIDGCEVRKILGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSF	73
NTDB id 1176 A1552VC RS01160 WP 000350195.1	.....MDIAELLEFSVKHNASDLHLSACVPPMVRIDGCEVRKILGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSF	73
NTDB id 1283 ACE17W RS02630 WP 010947729.1	.....MDIAELLAFSVKNKSSDLHISACMPPMIRVDGDLRKNLPPLEHKDVIKLIYDIMNDRQRKEYEEFFETDFSF	73
NTDB id 1259 GC085 RS10305 WP 010947729.1	.....MDIAELLAFSVKNKSSDLHISACMPPMIRVDGDLRKNLPPLEHKDVIKLIYDIMNDRQRKEYEEFFETDFSF	73
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....MDITELLAFSAKQGASDLHLSACVPPMIRVDGCVRRINLPPLEHKQVHALIYDIMNDKQRKDFEETFETDFSF	73
NTDB id 1202 PSJM300 01600 AFN76400.1	.....MDITELLAFSAKQGASDLHLSACVPPMIRVDGCVRRINLPPLEHKQVHALIYDIMNDKQRKDFEETFETDFSF	73
NTDB id 1020 ACIAD RS04210 WP 011182164.1	.....MDITELLAFSVQNRASDLHLSACVPPMIRVDGCVRRINLPAMDHSEVHNLIYDIMNDKQRQDYEEKLETDFSF	73
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	.....MDITELLAFSVKNGASDLHLSACVPPMIRVDGCVRRINLPALHKKDVHRLVYDIMNDKQRQDYEEKLETDFSF	73
NTDB id 1060 ABD1 RS04380 WP 000355489.1	.....MDITELLAFSVKNGASDLHLSACVPPMIRVDGCVRRINLPALHKKDVHRLVYDIMNDKQRQDYEEKLETDFSF	73
NTDB id 1040 HON27 RS13360 WP 000355489.1MDITELLAFSVKNGASDLHLSACVPPMIRVDGCVRRINLPALHKKDVHRLVYDIMNDKQRQDYEEKLETDFSF	73
consensus	*** **! **** *!!*****!*****!***** ** * **********!*****! *!*	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	VRD..SCRFRVSAFFQRELPGAIVRRITETRIPTFEELKLPVQLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYNQHRT	150
NTDB id 1130412 L1X59 RS17615 WP 045265948.1	SPAG.IGRFRVNAFIQQGRVGMVLRITIPADIPTEIDGMGLPQVLKEVAMTKRGLCIFVGATGSGKSTSLAAMVDWRNEHS	159
NTDB id 1203 PSJM300 01605 AFN76401.1	SARG.IGRFRVSAFYQRNLACMVLRRITENIPIEDLKLDPVLLKLAITKRLGLVLFVGGATCTGKSTSLAAMIGYRNKNSS	152
NTDB id 1019 ACIAD RS04205 WP 004922051.1	LNREKNERFRVSAFCQRDMPCMVIRRIETKIPSPDDLHLPPILKELAMSKRCIIFSGATCTGKSTSLASMIQHRNQHSK	153
NTDB id 1307 DR RS10055 WP 010888596.1	ALGD.KARFRVNAFMQRGNVCGVMRLIPTVVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMDHINTTK	156
NTDB id 1185 GTF74 RS11940 WP 000350195.1	ELPN.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVYVNAHNN	152
NTDB id 1176 A1552VC RS01160 WP 000350195.1	ELPN.VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVYVNAHNN	152
NTDB id 1283 ACE17W RS02630 WP 010947729.1	EIAN.LARFRVNAFNQSRGAAVFRITIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAMVDYINSSRY	152
NTDB id 1259 GC085 RS10305 WP 010947729.1	EIAN.LARFRVNAFNQSRGAAVFRITIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAMVDYINSSRY	152
NTDB id 1194 PAKAF RS01995 WP 003084552.1	EVPG.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELCMGEVFKRVS DVPRGLVLVTGPTGSGKSTTLAAMDYLNNTKY	152
NTDB id 1202 PSJM300 01600 AFN76400.1	EVPG.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELCMGEVFKRITDVPRLGLVLVTGPTGSGKSTTLAAMDYLNNTKY	152
NTDB id 1020 ACIAD RS04210 WP 011182164.1	EVPN.LARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDI CDYPRGLVLVTGPTGSGKSTTLAAMDYLNHRY	152
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	EVPN.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGGLGQIFKDI CDYPRGLVLVTGPTGSGKSTTLAAMDYINENRY	152
NTDB id 1060 ABD1 RS04380 WP 000355489.1	EVPN.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGGLGQIFKDI CDYPRGLVLVTGPTGSGKSTTLAAMDYINENRY	152
NTDB id 1040 HON27 RS13360 WP 000355489.1	EVPN.VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGGLGQIFKDI CDYPRGLVLVTGPTGSGKSTTLAAMDYINENRY	152
consensus	** **!!!!*!*! *****!***! * ***** ***** *!*****!***!!!!*!*****! *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	GMQTFDQALYQLVVDKISEQDALHSAADSANLRLMLKTKRGDDYG...SGSLQN.....VK.IDME.....	368
NTDB id 1130412 L1X59 RS17615 WP 045265948.1	GMQTFDQSLLDLYESGAVMYEDALRNADSVNDLRLQIKLHSKRAHNTDLAAGTEH.....FR.IL.....	378
NTDB id 1203 PSJM300 01605 AFN76401.1	GMQTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QG.....LT.LEMSDDDPGRSFR...	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	GMQTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSE.....ME.RKMTFDGQRRNLK...	383
NTDB id 1307 DR RS10055 WP 010888596.1	GMVTMDAYLAGLFRRHLLITYDKGLERAID.PKEFA..RLANDASAGLGGASMTPAAPPVPAVNSASSSSTGRGGDFGRGA	393
NTDB id 1185 GTF74 RS11940 WP 000350195.1	GMQTFDQALYQLVVDKISEQDALHSAADSANLRLMLKTKRGDDYG...SGSLQN.....VK.IDME.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	GMQTFDQALYQLVVDKISEQDALHSAADSANLRLMLKTKRGDDYG...SGSLQN.....VK.IDME.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	GMQTFDQALYQLVVDKISEQDALHSAADSANLRLMLKTKRGDDYG...SGSLQN.....VK.IDME.....	344
NTDB id 1259 GCO85 RS10305 WP 010947729.1	GMQTFDQALYQLVVDKISEQDALHSAADSANLRLMLKTKRGDDYG...SGSLQN.....VK.IDME.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	GMQTFDQALYQLVVDKISEQDALHSAADSANLRLMLKTKRGDDYG...SGSLQN.....VK.IDME.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	GMQTFDQALYQLVVDKISEQDALHSAADSANLRLMLKTKRGDDYG...SGSLQN.....VK.IDME.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	GMQTFDQALYQLVVDKISEQDALHSAADSANLRLMLKTKRGDDYG...SGSLQN.....VK.IDME.....	344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	GMQTFDQALYQLVVDKISEQDALHSAADSANLRLMLKTKRGDDYG...SGSLQN.....VK.IDME.....	345
NTDB id 1060 ABD1 RS04380 WP 000355489.1	GMQTFDQALYQLVVDKISEQDALHSAADSANLRLMLKTKRGDDYG...SGSLQN.....VK.IDME.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	GMQTFDQALYQLVVDKISEQDALHSAADSANLRLMLKTKRGDDYG...SGSLQN.....VK.IDME.....	345
consensus	!!*!*** * !* ***** * * * * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	368
NTDB id 1130412 L1X59 RS17615 WP 045265948.1	378
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 1307 DR RS10055 WP 010888596.1	AAPATPAAPAAGRSEPGRAGGFGRR	418
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
consensus	.....

- non conserved
- similar
- ≥ 50% conserved