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NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMLTHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTAL	LHAMMDARQA	EFKQ	TREANFAVVRD	75
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	TPMSPEMTRET	VHGV	MNEQQRREFTENHECNFAISAR	76
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSLKINGEITPVSKTKLDGDM	IAQLIDSITTQKQRQEF	ETHECNFAILNR	76	
NTDB id 355385 E4179 RS05335 WP 048225499.1	MNMEEIVALS	SVKHNVSDHLHCNAWPARWRIRGKVE...	IAPFTTPDVENLLMCWLSE	QQQVQWQEQGQIDFAIALA	73	
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDITILAAGL	PPQFKLSGDYDAQGFEP	LSASDTRKLMYSMMNERQQRI	FEEREKRELD	DFSALG	80
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGD	MRRINLPEMSAE	EVGNMVT	VMNDHQRKIYQQNLEVD	DFSFLP	76
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGD	MRRINLPEMSAE	EVGNMVT	VMNDHQRKIYQQNLEVD	DFSFLP	76
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAGVPPMVRID	GEVRKLGVP	PAFTHSDVHRLIFEIMNDAQRSEYEEKLEVD	DFSFLP	76	
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAGVPPMVRID	GEVRKLGVP	PAFTHSDVHRLIFEIMNDAQRSEYEEKLEVD	DFSFLP	76	
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLA	FSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDV	IKIYYDIMNDRQRKEYEEFFETD	DFSFEIA	76	
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLA	FSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDV	IKIYYDIMNDRQRKEYEEFFETD	DFSFEIA	76	
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGGASDLHLSSGLPPMIRVDG	DVRRINLPAMDHKQV	HALIYYDIMNDKQRKDFEEFLET	DFSFEVP	76	
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGGASDLHLSSGLPPMIRVDG	DVRRINLPAMDHKQV	HALIYYDIMNDKQRKDFEEFLET	DFSFEVP	76	
NTDB id 1020 ACIAD RS04210 WP 01182164.1	MDITELLAFSVQNRASDLHLSAGIPPMIRVDG	EVRRINLPAMDHSEVHNLIYYDIMNDKQRRDYEEKLET	DFSFEVP	76		
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNASDLHLSAGMPPMIRVDG	EVRRINLPAL	EHKDVHRLVYDIMNDKQRRDYEEKLET	DFSFEVP	76	
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNASDLHLSAGMPPMIRVDG	EVRRINLPAL	EHKDVHRLVYDIMNDKQRRDYEEKLET	DFSFEVP	76	
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNASDLHLSAGMPPMIRVDG	EVRRINLPAL	EHKDVHRLVYDIMNDKQRRDYEEKLET	DFSFEVP	76	
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	..SGRFRVSAFFQRELPGAVIRRIETRIPTFEELKLPEVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGHI	153
NTDB id 1203 PSJM300 01605 AFN76401.1	G..IGRFRVSAFYQRNLAGMVLRRRIETNIPTIEDLKLDPDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHI	155
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNERFRVSAFYQRDMQGMVIRRIETKIPSPDDLHLPPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSGKHI	156
NTDB id 355385 E4179 RS05335 WP 048225499.1	G..SQRLRASAFVHQGTSLALRLPLDCPRLLDDLQTPDVIPELLRSENGLILVTGATGSGKSTTLAAMVEYLNQQVAGHI	152
NTDB id 1307 DR RS10055 WP 010888596.1	D..KARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKLHI	159
NTDB id 1086 NMV RS00245 WP 002218487.1	N..VARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYNINETQPAHI	155
NTDB id 1116 NGFG RS10615 WP 003690200.1	N..VARFRVNAFNITGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYNINETQPAHI	155
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N..VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNVNAHNNKHI	155
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N..VGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNVNAHNNKHI	155
NTDB id 1283 ACE17W RS02630 WP 010947729.1	N..LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHI	155
NTDB id 1259 GC085 RS10305 WP 010947729.1	N..LARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHI	155
NTDB id 1202 PSJM300 01600 AFN76400.1	G..VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHI	155
NTDB id 1194 PAKAF RS01995 WP 003084552.1	G..VARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFRKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHI	155
NTDB id 1020 ACIAD RS04210 WP 01182164.1	N..LARFRVNVFNQNRGAGAVFRTIPSKVLTLEELGLGKIFRDICDYPRLVLVTGPTGSGKSTTLAAMLDYINNHRDYHI	155
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N..VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKIDICDYPRLVLVTGPTGSGKSTTLAAMLDYINENRYDHI	155
NTDB id 1040 HON27 RS13360 WP 000355489.1	N..VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKIDICDYPRLVLVTGPTGSGKSTTLAAMLDYINENRYDHI	155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	N..VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKIDICDYPRLVLVTGPTGSGKSTTLAAMLDYINENRYDHI	155
consensus	* **!*!***!*** ** *****!***** ***** ** ** ** *!*****!*****!*****!*****!*	!!

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSANDLRLMLKTKR.GDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSE.TDGEHLTSVS.QGLTL.....EMSDDDPGRSFR....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSE.EANKPLDNRRERMSEMER.....KMTFDGQRRNLK....	383
NTDB id 355385 E4179 RS05335 WP 048225499.1	TFAQSQQQRQAQGRI.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGLIAPEVARRRAQNSESMSEF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGLIAPEAARRRAQNSESMSEF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKGLLAKGLISRDSAKEKAKQP.ENF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVARGVISPQTARTAAKQP.ESFL.....	345
consensus	!*** * ** ***** * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAAGRSEPCGRACCFGRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 355385 E4179 RS05335 WP 048225499.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPCGRAGGFGRR	418
NTDB id 1086 NMV RS00245 WP 002218487.1	.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	.....	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 1202 PSJM300 01600 AFN76400.1	.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	.....	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		

- ☐ non conserved
- ☒ similar
- ☒ ≥ 50% conserved