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NTDB id 1177 A1552VC RS01165 WP 000422572.1	MEINQYLDGMLITHKASDLYITVGA	PILYRV	DGELRAQGEAL.SVADVTALLHAMMDARQA	EAFKQ	TREANFAVVRD	75
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKV	NGKILPVN	KTPMSPE	MTRRET	76
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSL	KINGEITPV	SKTKLDGDMIAQLIDS	ITTQKQRQEF	76
NTDB id 31430 ANAEK RS03270 WP 012524726.1	...MANLHQLLKAMVEKGA	SDLHVT	TGSP	QLRIDGKL	VLPKTPPLSPVET	77
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASD	IILAA	GLPPQFKLSG	DYDAQGF	PLSASDTRKLMYS	80
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGDMRRINLP	EMSAEEVGNM	VTSMNDHQRKIYQQN	LEVDFS	76
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGDMRRINLP	EMSAEEVGNM	VTSMNDHQRKIYQQN	LEVDFS	76
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVR	IDGEVRKLG	VPAFTHS	DVHRLIFEIMNDAQRSEYEEK	76
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVR	IDGEVRKLG	VPAFTHS	DVHRLIFEIMNDAQRSEYEEK	76
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLA	FSVKNKSSDLHISAG	MPPMIRVDGDLR	KINLP	P	76
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLA	FSVKNKSSDLHISAG	MPPMIRVDGDLR	KINLP	P	76
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGGASDLHLSAG	LPPMIRVDGDVRRINLP	P	LEHKQVHALIYD	IMNDKQRKDFEEF	76
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGGASDLHLS	SGLPPMIRVDGDVRRINLP	P	AMDHKQVHALIYD	IMNDKQRKDFEEF	76
NTDB id 1020 ACIAD RS04210 WP 01182164.1	MDITELLAFSVQNRASDLHLSAG	IPPMIRVDGEVRRINLP	P	AMDHSEVHNLIYD	IMNDKQRDDYEEK	76
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNASDLHLSAG	MPPMIRVDGEVRRINLP	P	ALEHKDVHRLVYD	IMNDKQRDDYEEK	76
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNASDLHLSAG	MPPMIRVDGEVRRINLP	P	ALEHKDVHRLVYD	IMNDKQRDDYEEK	76
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNASDLHLSAG	MPPMIRVDGEVRRINLP	P	ALEHKDVHRLVYD	IMNDKQRDDYEEK	76
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	NVARFRVNAFNRGAGAVERT	PSYLTLEELGLPIFKIA	PRGLVLTGPTGSGKSTTLAAMDYIN	ETRYD	HI	153
NTDB id 1203 PSJM300 01605 AFN76401.1	GIGRFRVSAFYQRNL	AGMVLRR	RIETNIPTIEDL	KLPDVLKKL	ALTKRGLVLFVGATGTGKSTSLAAM	155
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNERFRVSAFYQR	QDMPGMVIRRIETKIP	SPDDLHL	PPILKELAMSKRGII	IFSGATGTGKSTSLASMIQHRNQHSGKHI	156
NTDB id 31430 ANAEK RS03270 WP 012524726.1	GLSRFRANVFMQRGA	VAGAFRTIPFKILTF	QELGLPP	IVAELAKKPRGLV	LVGTGPTGSGKSTTLASIIDKINTDRHEHI	156
NTDB id 1307 DR RS10055 WP 010888596.1	D.KARFRVNAFMQRGNV	GGVMRLIPTT	VRTIAEMGLPQT	VIDIANAPRGLV	LVGTGPTGSGKSTTLASIMIDHINTTKLHI	159
NTDB id 1116 NGFG RS10615 WP 003690200.1	NVARFRVNAFNTGRGP	AAVFRTIPSTVLS	LEELKAPSIFQKIAES	PRGMVLVTGPTGSGKSTTLAAMIN	YINETQPAHI	155
NTDB id 1086 NMV RS00245 WP 002218487.1	NVARFRVNAFNI	GRGPA	AAVFRTIPSTVLS	LEELKAPSIFQKIAES	PRGMVLVTGPTGSGKSTTLAAMIN	155
NTDB id 1185 GTF74 RS11940 WP 000350195.1	NVGRFRVNAFHQARGCS	AVFRTIPTV	IPTLEQLDAPEIF	SKIANYEKGLV	LVGTGPTGSGKSTTLAAMVNYVNAHNNKHI	155
NTDB id 1176 A1552VC RS01160 WP 000350195.1	NVGRFRVNAFHQARGCS	AVFRTIPTV	IPTLEQLDAPEIF	SKIANYEKGLV	LVGTGPTGSGKSTTLAAMVNYVNAHNNKHI	155
NTDB id 1283 ACE17W RS02630 WP 010947729.1	NLARFRVNAFNFQSRGA	AAVFRTIPSEIL	SMEDLGLPPIFKEMAS	FSGRLVLTGPTGSGKSTTLAAV	IDYINSSRYEHI	155
NTDB id 1259 GC085 RS10305 WP 010947729.1	NLARFRVNAFNFQSRGA	AAVFRTIPSEIL	SMEDLGLPPIFKEMAS	FSGRLVLTGPTGSGKSTTLAAV	IDYINSSRYEHI	155
NTDB id 1194 PAKAF RS01995 WP 003084552.1	GVARFRVNAFNFQNRGAGAV	FRTIPSKVLT	MEELGMGEVFRK	ITDVP	PRGLVLTGPTGSGKSTTLAAMDYLNNTKYHHI	155
NTDB id 1202 PSJM300 01600 AFN76400.1	GVARFRVNAFNFQNRGAGAV	FRTIPSKVLT	MEELGMGEVFRK	ITDVP	PRGLVLTGPTGSGKSTTLAAMDYLNNTKYHHI	155
NTDB id 1020 ACIAD RS04210 WP 01182164.1	NLARFRVNVFNQNRGAGAV	FRTIPSKVLT	LEELGLGKIFRD	ICDYPRGLV	LVGTGPTGSGKSTTLAAMDYINNHRDYHI	155
NTDB id 1060 ABD1 RS04380 WP 000355489.1	NVARFRVNAFNFQNRGAGAV	FRTIPSKVLT	MEELGLGQIFKD	ICDYPRG	IVLVTGPTGSGKSTTLAAMDYINENRYDHI	155
NTDB id 1040 HON27 RS13360 WP 000355489.1	NVARFRVNAFNFQNRGAGAV	FRTIPSKVLT	MEELGLGQIFKD	ICDYPRG	IVLVTGPTGSGKSTTLAAMDYINENRYDHI	155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	NVARFRVNAFNFQNRGAGAV	FRTIPSKVLT	MEELGLGQIFKD	ICDYPRG	IVLVTGPTGSGKSTTLAAMDYINENRYDHI	155
consensus	* ****!!*!!* * * ****!!*!!* ****					****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	QTFDQALYQLVVDKISEQDALHSADSANDLRLMLKTKRGDDY...GSGSLQ.....NVKID..ME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	QTFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.Q.....GLTLE..MSDDDPGRSFR....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	QTFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRRMS.....EMERK..MTFDGQRRNLK....	383
NTDB id 31430 ANAEK RS03270 WP 012524726.1	QTFNQSLAMAFKRLITLEEALGRSSDAEELKNIIASG..AA..LRG.....PPQGAAR.....	366
NTDB id 1307 DR RS10055 WP 010888596.1	VTMDAYLAGLFRHRLITYDKGLERAID.PKEFARLANDASAG..LGG.ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1116 NGFG RS10615 WP 003690200.1	QTMDDQLQSLVRQGLIAPEAARRRAQNSEMSF.....	347
NTDB id 1086 NMV RS00245 WP 002218487.1	QTMDDQLQSLVRQGLIAPEVARRRRAQNSEMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	QTMEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	QTMEQNAKQLIARGVVDQEVQSKIELDLKAF.....	345
NTDB id 1283 ACE17W RS02630 WP 010947729.1	QTLDDQHLTELNVNKNIIISKHTAHEAALN.KSLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	QTLDDQHLTELNVNKNIIISKHTAHEAALN.KSLF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	QTLDMCKLGLVAKGLISRENAREKAKI.PENF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	QTLDDCKLGLLAKGLISRDSAKEKAKQ.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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NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAAGRSEPCRAAGGFCRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 31430 ANAEK RS03270 WP 012524726.1	.....	366
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPCRAAGGFCRR	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		

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