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NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMLTHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTA	LLHAMMDARQAEEFKQ	TREANFAVVRD	75					
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	TPMSPEMTRETVHGV	MNEQQRREFTENHECNFAISAR	76					
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSLKLINGEITPVSKTK	LDGDMIAQLIDSITTQKQRQEF	ETHECNFAILNR	76					
NTDB id 237184 CE137 RS03990 WP 001055658.1	MNMEEIVTL	SVKHNVSDLHLCNAWPARWRKQGRME...	TAPFTAPD	VDRLLLDWLND	AQQYQWRTHGQLDFAVSL	73				
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDIILAAGLP	PQFKLSGDYDAQGFEL	SASDTRKLMYSMMNERQQRIFE	EKRELD	DFS	FAL	G	80		
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRINLPEMSAE	EVGNM	VTSMNDHQRKIYQQN	LEVDFS	FELP	76		
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRINLPEMSAE	EVGNM	VTSMNDHQRKIYQQN	LEVDFS	FELP	76		
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVRIDGEVRKLG	VPAFTHSDVHRLIFE	IMNDAQRSEYEEK	LEVDFS	FELP		76		
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVRIDGEVRKLG	VPAFTHSDVHRLIFE	IMNDAQRSEYEEK	LEVDFS	FELP		76		
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFAVKNKSSDLHISAG	MPPMIRVDGLRKNINLP	LEHKDVIKI	IYD	IMNDRQRKEYEEFF	FETDFS	FETIA	76		
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFAVKNKSSDLHISAG	MPPMIRVDGLRKNINLP	LEHKDVIKI	IYD	IMNDRQRKEYEEFF	FETDFS	FETIA	76		
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGASDLHLSAG	LPPMIRVDGDVRRINLP	PLEHKQVHALIYD	IMNDKQRKDFEE	FLETDFS	FVEP		76		
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGASDLHLSAG	LPPMIRVDGDVRRINLP	PAMDHKQVHALIYD	IMNDKQRKDFEE	FLETDFS	FVEP		76		
NTDB id 1020 ACIAD RS04210 WP 01182164.1	MDITELLAFSVQNRASDLHLSAG	IPPMIRVDGEVRRINLP	PAMDHSEVHNLIYD	IMNDKQR	RDYEEKLETDFS	FVEP		76		
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNASDLHLSAG	MPPMIRVDGEVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYEEKLETDFS	FVEP		76		
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNASDLHLSAG	MPPMIRVDGEVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYEEKLETDFS	FVEP		76		
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNASDLHLSAG	MPPMIRVDGEVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYEEKLETDFS	FVEP		76		
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	. .	SGRFRVSAFFQRELP	CAVIRRIETRIPTFEELK	LPEVLQNLAI	AKRGLVLVVGATGSGKSTT	MAAMTGYRNQHR	TGHI	153	
NTDB id 1203 PSJM300 01605 AFN76401.1	G. I	GRFRVSAFYQRNL	AGMVLRR	IETNIPTIED	LKLPDVLKKL	ALT	KRGLVLFV	GATGTGKSTSLAAMIGYRNKNSSGHI	155
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNER	FRVSAFYQR	DMPCGMVIRRIETK	IPSPDDL	HLPPI	KL	ELAMSKRGII	IFSGATGTGKSTSLASMIQHRNQHSGKHI	156
NTDB id 237184 CE137 RS03990 WP 001055658.1	G. TRRL	RASAFTHQQGT	SLALRL	LPERCPDL	AEIQTPTVP	IPVALL	ASENGLIL	VTGATGCGKSTTLAAMVGHNLQHADKHI	152
NTDB id 1307 DR RS10055 WP 010888596.1	D. K	ARFRVNAFMQR	GNVGGVMRLIPT	TVRTIAEMGLP	QTVIDIANAP	RGLVLVTGPTGSGKSTTLA	SMIDHINTTKL	HI	159
NTDB id 1086 NMV RS00245 WP 002218487.1	N. V	ARFRVNAFNIGRGP	AAVFRTIPSTVLS	LEELKAPSIFQK	IAESPRGMVLVTGPTGSGKSTTLA	AMINYN	INETQPAHI	155	
NTDB id 1116 NGFG RS10615 WP 003690200.1	N. V	ARFRVNAFNITGRGP	AAVFRTIPSTVLS	LEELKAPSIFQK	IAESPRGMVLVTGPTGSGKSTTLA	AMINYN	INETQPAHI	155	
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N. V	GRFRVNAFHQA	RGC	SAVFRTIPTV	IP	TL	EQ	DAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHNNKHI	155
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N. V	GRFRVNAFHQA	RGC	SAVFRTIPTV	IP	TL	EQ	DAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHNNKHI	155
NTDB id 1283 ACE17W RS02630 WP 010947729.1	N. L	ARFRVNAFNQSRGA	AAVFRTIPSEIL	SMEDLGLPPI	FKEMASFSRGLVLVTGPTGSGKSTTLA	AVIDYINSSRYEHI	155		
NTDB id 1259 GC085 RS10305 WP 010947729.1	N. L	ARFRVNAFNQSRGA	AAVFRTIPSEIL	SMEDLGLPPI	FKEMASFSRGLVLVTGPTGSGKSTTLA	AVIDYINSSRYEHI	155		
NTDB id 1194 PAKAF RS01995 WP 003084552.1	G. V	ARFRVNAFNQNRGAG	AVFRTIPSKVLT	MEELGMGEVFRK	ITDVP	RGLVLVTGPTGSGKSTTLA	AMDYLNNTKYHHI	155	
NTDB id 1202 PSJM300 01600 AFN76400.1	G. V	ARFRVNAFNQNRGAG	AVFRTIPSKVLT	MEELGMGEVFRK	ITDVP	RGLVLVTGPTGSGKSTTLA	AMDYLNNTKYHHI	155	
NTDB id 1020 ACIAD RS04210 WP 01182164.1	N. L	ARFRVNVFNQNRGAG	AVFRTIPSKVLT	LEELGLGKIFR	DICDYPRGLVLVTGPTGSGKSTTLA	AMDYINNHR	YDHI	155	
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N. V	ARFRVNAFNQNRGAG	AVFRTIPSKVLT	MEELGLGQIFK	DICDYPRGIVLVTGPTGSGKSTTLA	AMDYINENR	YDHI	155	
NTDB id 1040 HON27 RS13360 WP 000355489.1	N. V	ARFRVNAFNQNRGAG	AVFRTIPSKVLT	MEELGLGQIFK	DICDYPRGIVLVTGPTGSGKSTTLA	AMDYINENR	YDHI	155	
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	N. V	ARFRVNAFNQNRGAG	AVFRTIPSKVLT	MEELGLGQIFK	DICDYPRGIVLVTGPTGSGKSTTLA	AMDYINENR	YDHI	155	
consensus	*	***!***	***	*****	***	***	*****	***	!!

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	TFDQALYQLVVDKISEQDALHSADSANDLRLMLKTKRGDDY...GSGSLQNVKI.....DME.....	368
NTDB id 1203 PSJM300 01605 AFN76401.1	TFDQALYNLYVQGEITYEDALLHADSSNDLRLMIKLGSETDGEHLTSVS.QGLTL.....EMSDDDPGRSFR.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	TFDQALFDLYDHQHISYADALKHADSPNNLRLQIKLSEEANKPLDNRERMSEMER.....KMTFDGQRRNLK.....	383
NTDB id 237184 CE137 RS03990 WP 001055658.1	TFAQSAQWRQAQGRLL.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAID.PKEFARLA..NDASAGL.GGASMTPAAPPVPAYNSASSSSSTGRGGDFGRGAAA	395
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGIIAPEVARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGIIAPEAARRRAQNSESMSF.....	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	TLDQHLTELVNKNIISKHTAHEAALN.KSLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELVNKNIISKHTAHEAALN.KSLF.....	344
NTDB id 1194 PAKAF RS01995 WP 003084552.1	TLDMCLKGLVAKGLISRAREKAKI.PENF.....	344
NTDB id 1202 PSJM300 01600 AFN76400.1	TLDSCCLKGLLAKGLISRDSAKEKAKQ.PENF.....	344
NTDB id 1020 ACIAD RS04210 WP 011182164.1	TLDQSLKQLLAKGIINLPTARAVAKS.PESF.....	344
NTDB id 1060 ABD1 RS04380 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQ.PESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLVARGVISPQTARTAAKQ.PESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLVSRGVISPQTARTAAKQ.PESFL.....	345
consensus	!*** * ** ***** * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	PATPAAPAAGRSEPCRRACCFGR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 237184 CE137 RS03990 WP 001055658.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	PATPAAPAAGRSEPCRRACCFGR	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 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		

- [X] non conserved
- [X] similar
- [X] ≥ 50% conserved