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NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMLTHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTAL	LHAMD	DARQA	EFGKQ	TR	EAN	FAVVRD	75				
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	MPSEMTRET	VHGM	NEQQR	REF	TEN	HECNFAISAR	76				
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSL	KINGEITPVSKTK	LDGDMIA	QLIDS	ITTQK	QRQEF	IETHECNFAILNR	76				
NTDB id 338816 EQ249 RS04435 WP 106107609.1	MNMEEIVALS	SVKHNVSDLHLCNAWPARWRRRGKVES...	APFTTPD	VENLLMCWLSE	QQQVQLQE	QQG	IDFAVTLT	73					
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDIILRLAADKGASDITILAA	GLPPQFKLSG	DYDAQGFEL	ISAD	TRK	LMYS	MNNER	QKRFEEKREIDFSFALG	80				
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRINLPEMSAE	EVGNM	VTS	VMNDH	QRKIYQQN	LEVDFS	FELP	76			
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRINLPEMSAE	EVGNM	VTS	VMNDH	QRKIYQQN	LEVDFS	FELP	76			
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVRIDG	EVRLKGVPAFTHSDVHRL	LIFE	IMNDA	QRSEY	EEEK	LEVDFS	FELP	76			
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVRIDG	EVRLKGVPAFTHSDVHRL	LIFE	IMNDA	QRSEY	EEEK	LEVDFS	FELP	76			
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAG	MPPMIRVDGDLR	KNINLPPLEHKDVIKI	IYD	IMND	RQR	KEYEEFFET	DFS	FEIA	76			
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAG	MPPMIRVDGDLR	KNINLPPLEHKDVIKI	IYD	IMND	RQR	KEYEEFFET	DFS	FEIA	76			
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGGASDLHLSSG	LPPMIRVDGDVRR	INLPAMD	HKQVHALIYD	IMND	KQR	KDFEEF	LET	DFS	FEVP	76		
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGGASDLHLSAG	LPPMIRVDGDVRR	INLPAMD	HKQVHALIYD	IMND	KQR	KDFEEF	LET	DFS	FEVP	76		
NTDB id 1020 ACIAD RS04210 WP 01182164.1	MDITELLAFSVQNRASDLHLSAG	I	PPMIRVDGEVRR	INLPAMD	HSEVHN	LIYD	IMND	KQR	RDYEEK	LET	DFS	FEVP	76
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDGEVRR	INLPAL	LEHKDVHRL	VYD	IMND	KQR	RDYEEK	LET	DFS	FEVP	76	
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDGEVRR	INLPAL	LEHKDVHRL	VYD	IMND	KQR	RDYEEK	LET	DFS	FEVP	76	
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDGEVRR	INLPAL	LEHKDVHRL	VYD	IMND	KQR	RDYEEK	LET	DFS	FEVP	76	
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	..	SCRFRVSAFFQRELP	GAVIRRIETRIPTFEELKLPEVLQNLAI	AKRGLVLVVGATGSGKSTTMAAMTGYRNQHR	TGHI	153		
NTDB id 1203 PSJM300 01605 AFN76401.1	G.	TGRFRVSAFYQRNL	AGMVLRR	IETNIPTIEDLKL	PDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHI	155		
NTDB id 1019 ACIAD RS04205 WP 004922051.1	E	KNERFRVSAFYQR	QDMPGMVIRRIETKIPSPDDLHL	PPILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSGKHI	156			
NTDB id 338816 EQ249 RS04435 WP 106107609.1	D.	SRLRASAFVHQGTSLALRL	LPLDCPHLDDQLPPA	VIPELLHSENGLI	LVTVGATGSGKSTTLAAMVEYLNQHI	EGHI 152		
NTDB id 1307 DR RS10055 WP 010888596.1	D.	KARFRVNAFMQRGNVGGVMRLIPTT	VRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLAS	MIDHINTTKKLHI	159			
NTDB id 1086 NMV RS00245 WP 002218487.1	N.	VARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMIN	YINETQPAHI	155				
NTDB id 1116 NGFG RS10615 WP 003690200.1	N.	VARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMIN	YINETQPAHI	155				
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N.	VGRFRVNAFHQARGCSAVFRTIPTV	IPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHNNKHI	155				
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N.	VGRFRVNAFHQARGCSAVFRTIPTV	IPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHNNKHI	155				
NTDB id 1283 ACE17W RS02630 WP 010947729.1	N.	LARFRVNAFNQSRGAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAMVIDYINSSRYEHI	155					
NTDB id 1259 GC085 RS10305 WP 010947729.1	N.	LARFRVNAFNQSRGAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAMVIDYINSSRYEHI	155					
NTDB id 1202 PSJM300 01600 AFN76400.1	G.	VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRK	ITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHI	155				
NTDB id 1194 PAKAF RS01995 WP 003084552.1	G.	VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRK	ITDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHI	155				
NTDB id 1020 ACIAD RS04210 WP 01182164.1	N.	LARFRVNVFNQNRGAGAVFRTIPSKVLTLEELGLGKIFRD	ICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHR	RYDHI 155				
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N.	VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKD	ICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENR	RYDHI 155				
NTDB id 1040 HON27 RS13360 WP 000355489.1	N.	VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKD	ICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENR	RYDHI 155				
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	N.	VARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKD	ICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENR	RYDHI 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 338816 EQ249 RS04435 WP 106107609.1	TFAQSLQQRQAQGR.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGGLIAPEVARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGGLIAPEAARRRAQNSESMSF.....	347
NTDB id 1185 GTF74 RS11940 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	345
NTDB id 1176 A1552VC RS01160 WP 000350195.1	TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.....	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	APATPAAPAAAGRSEPCGRAGGFCRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 338816 EQ249 RS04435 WP 106107609.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPCGRAGGFCRR	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