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NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMLTHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTAL	LHAMD	DARQAEFKQ	TREANFA	VVRD	75						
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	TPMSPEMTRET	VHGVMMNEQ	QRREF	TENHECNFAISAR	76						
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSLKINGEITPVSKTK	LDGDMIAQLIDSITTQK	QRQEF	ETHECNFAILNR	76							
NTDB id 267973 C2U41 RS18180 WP 103848972.1	MNMEEIVALS	SVKHNVSDLHLCNAWPARWRRRGKVES...	APFTTPDV	ENLLMCWLSE	QQQVQLQEQQ	IDFAVTLT	73						
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDI	ILRLAADKGASDITILAAGLPPQFKLSG	DYDAQGFEL	SASDTRKLMYS	MMNERQQR	IFEEKRE	LDFS	FALG	80				
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRINLPEMSAE	EVGNMVT	VMNDHQRKIYQQN	LEVDFS	FELP	76					
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRINLPEMSAE	EVGNMVT	VMNDHQRKIYQQN	LEVDFS	FELP	76					
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVRIDG	EVRLKGVPAFTHSDVHRL	LIFEIMNDAQRSEYEEK	LEVDFS	FELP	76						
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVRIDG	EVRLKGVPAFTHSDVHRL	LIFEIMNDAQRSEYEEK	LEVDFS	FELP	76						
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAG	MPPMIRVDG	DLRKNINLP	PLEHKDVIKI	IYD	IMNDRQRKEYEEFF	FETDFS	FEIA	76				
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAG	MPPMIRVDG	DLRKNINLP	PLEHKDVIKI	IYD	IMNDRQRKEYEEFF	FETDFS	FEIA	76				
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGGASDLHLSSG	LPPMIRVDG	DVRRINLP	PAMDHKQVHALIYD	IMNDKQRKDFEEF	LETDFS	SFEVP	76					
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGGASDLHLSAG	LPPMIRVDG	DVRRINLP	PLEHKQVHALIYD	IMNDKQRKDFEEF	LETDFS	SFEVP	76					
NTDB id 1020 ACIAD RS04210 WP 01182164.1	MDITELLAFSVQNRASDLHLSAG	IPPMIRVDG	EVRRINLP	PAMDHSEVHNLIYD	IMNDKQR	RDYEEK	LETDFS	SFEVP	76				
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDG	EVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYEEK	LETDFS	SFEVP	76				
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDG	EVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYEEK	LETDFS	SFEVP	76				
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDG	EVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYEEK	LETDFS	SFEVP	76				
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NTDB id 1177 A1552VC RS01165 WP 000422572.1	. .	SGRFRVSAFFQRELP	CAVIRRIETRIPTFEELKLPEVLQNLAI	AKRGLVLVVGATGSGKSTTMAAMTGYRNQHR	TGHI	153
NTDB id 1203 PSJM300 01605 AFN76401.1	G. I	GRFRVSAFYQRNL	AGMVLRR	IETNIPTIEDLKL	PDVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHI	155
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNERFRVSAFQ	QRDMPCGMVIRRIETKIP	SPDDLHLPPILKELAMSKRGIIIFSGA	TGTGKSTSLASMIQHRNQHSGKHI	156	
NTDB id 267973 C2U41 RS18180 WP 103848972.1	D. S	RRLRTSAFVHQGTSLALRL	LPLDCPHLLDQPPA	VIPELLHSENGLILVTGATGSGKSTTLAAMVEYLNQHI	EGHI	152
NTDB id 1307 DR RS10055 WP 010888596.1	D. K	ARFRVNAFMQRGNVGGVMRLIPTT	VRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLAS	MIDHINTTKLHI	159	
NTDB id 1086 NMV RS00245 WP 002218487.1	N. V	ARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIA	ESPRGMVLVTGPTGSGKSTTLAAMIN	YINETQPAHI	155	
NTDB id 1116 NGFG RS10615 WP 003690200.1	N. V	ARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIA	ESPRGMVLVTGPTGSGKSTTLAAMIN	YINETQPAHI	155	
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N. V	GRFRVNAFHQARGCSAVFRTIPTV	IPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAM	VNYVNAH	HNKHI	155
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N. V	GRFRVNAFHQARGCSAVFRTIPTV	IPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAM	VNYVNAH	HNKHI	155
NTDB id 1283 ACE17W RS02630 WP 010947729.1	N. L	ARFRVNAFNQSRGA	AAVFRTIPSEILSMEDLGLPPIFKEMAS	FSRGLVLVTGPTGSGKSTTLAAM	VIDYINSSRYEHI	155
NTDB id 1259 GC085 RS10305 WP 010947729.1	N. L	ARFRVNAFNQSRGA	AAVFRTIPSEILSMEDLGLPPIFKEMAS	FSRGLVLVTGPTGSGKSTTLAAM	VIDYINSSRYEHI	155
NTDB id 1202 PSJM300 01600 AFN76400.1	G. V	ARFRVNAFNQNRGAGAVFRTIPSKVLT	MEDLGMGEVFRKITDVP	RGLVLVTGPTGSGKSTTLAAM	LDYLNNTKYHHI	155
NTDB id 1194 PAKAF RS01995 WP 003084552.1	G. V	ARFRVNAFNQNRGAGAVFRTIPSKVLT	MEDLGMGEVFRKITDVP	RGLVLVTGPTGSGKSTTLAAM	LDYLNNTKYHHI	155
NTDB id 1020 ACIAD RS04210 WP 01182164.1	N. L	ARFRVNVFNQNRGAGAVFRTIPSKVLT	LEELGLGKIFRDICDYP	RGLVLVTGPTGSGKSTTLAAM	LDYINNHRDYHI	155
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N. V	ARFRVNAFNQNRGAGAVFRTIPSKVLT	MEDLGLGQIFKIDICDYP	RGLVLVTGPTGSGKSTTLAAM	LDYINENRYDHI	155
NTDB id 1040 HON27 RS13360 WP 000355489.1	N. V	ARFRVNAFNQNRGAGAVFRTIPSKVLT	MEDLGLGQIFKIDICDYP	RGLVLVTGPTGSGKSTTLAAM	LDYINENRYDHI	155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	N. V	ARFRVNAFNQNRGAGAVFRTIPSKVLT	MEDLGLGQIFKIDICDYP	RGLVLVTGPTGSGKSTTLAAM	LDYINENRYDHI	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 267973 C2U41 RS18180 WP 103848972.1	TFAQSLQQRQAQGRLL.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVVRQGLIAPEVARRRAQNSESMSF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVVRQGLIAPEAARRRAQNSESMSF.....	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 267973 C2U41 RS18180 WP 103848972.1	.....	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