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NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMLITHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTAL	LHHAMDDARQA	EFKQTR	EANFAVVRD	75					
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	TPMSPEMTRET	VHGVMMNEQQR	REFTENHECNFAISAR	76					
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSLKINGEITPVSKTKLDGDM	IAQLIDSITTQKQRQ	EFIE	THECNFAILNR	76					
NTDB id 78219 JLF42 RS19315 WP 055322223.1	MDVEEIVALS	SVKHNVSDDLHLCS	SDSPPRWRR	TGRLEPAPFP	...PDVGALLKAWLNDE	QQGIWWASGQVDF	AATVA	73			
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDI	ILRLAADKGASDITILAA	GLPPQFKLSG	DYDAQGFEL	SASDTRKLMYS	MMNERQQR	IFEE	KRELD	DFS	FALG	80
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MMRINLPEMSAE	EVGNMVT	VMNDHQRKIYQQN	LEVDFS	FELP	76			
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MMRINLPEMSAE	EVGNMVT	VMNDHQRKIYQQN	LEVDFS	FELP	76			
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHL	SAGVPPMVRIDGEVRKLG	VPAFTHSDVHRL	LIFEIMNDAQRSEYEEK	LEVDFS	FELP	76				
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHL	SAGVPPMVRIDGEVRKLG	VPAFTHSDVHRL	LIFEIMNDAQRSEYEEK	LEVDFS	FELP	76				
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFSVKNGSSDLHIS	SAGMPPMIRVDGLRKNINLP	PPLHKKDVIKI	IYD	IMNDRQRKEYEEFF	FETDFS	FETIA	76			
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFSVKNGSSDLHIS	SAGMPPMIRVDGLRKNINLP	PPLHKKDVIKI	IYD	IMNDRQRKEYEEFF	FETDFS	FETIA	76			
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGGASDLHL	SSGLPPMIRVDGDVRRINLP	PAMDHKQVHALIYD	IMNDKQRKDFEE	FLETDFS	FSEVP	76				
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGGASDLHL	SAGLPPMIRVDGDVRRINLP	PPLHKKQVHALIYD	IMNDKQRKDFEE	FLETDFS	FSEVP	76				
NTDB id 1020 ACIAD RS04210 WP 01182164.1	MDITELLAFSVQNRASDLHL	SAGIPPMIRVDGEVRRINLP	PAMDHSEVHNLIYD	IMNDKQRDYEEK	LETDFS	FSEVP	76				
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHL	SAGMPPMIRVDGEVRRINLP	PALEHKDVHRL	VYD	IMNDKQRDYEEK	LETDFS	FSEVP	76			
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHL	SAGMPPMIRVDGEVRRINLP	PALEHKDVHRL	VYD	IMNDKQRDYEEK	LETDFS	FSEVP	76			
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHL	SAGMPPMIRVDGEVRRINLP	PALEHKDVHRL	VYD	IMNDKQRDYEEK	LETDFS	FSEVP	76			
consensus	***	*****	*!*****	*****	*****	*	*	*	*****	*	*!*****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	..S	GFRFRVSAFFQ	RELPGAVIRRIET	RIPTFEELK	LPVLQNL	IAIAKRG	LVLVVGATGSGKSTT	MAAMTGYRNQH	RTGHI	153		
NTDB id 1203 PSJM300 01605 AFN76401.1	G.	IGRFRVSAFYQ	RNLAGMVLRR	RIETNIPT	IEDLKLPDVL	KKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHI				155		
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNER	FRVSAFQ	QRDMPGMVIRRIETKIP	SPDDLHL	PPILKELAMSKRG	IIIFSGATGTGKSTSLASMIQHRNQHSGKHI				156		
NTDB id 78219 JLF42 RS19315 WP 055322223.1	G.	GQRLRGS	AFKQMRGVSVTLRL	LPRTCPQL	IASLGAPR	VIPELLTNASGLILVTGATGSGKSTTLAAMVDFLNHHTD	GHI			152		
NTDB id 1307 DR RS10055 WP 010888596.1	D.	KARFRVNAFMQR	GNVGGVMRLIPT	TVRTIAEMGLP	QTVIDIANAPRGL	VLVTGPTGSGKSTTLAS	MIDHINTTK	KLHI		159		
NTDB id 1086 NMV RS00245 WP 002218487.1	N.	VARFRVNAFNIGRGP	AAVFRTIPSTVLS	LEELKAPSIFQKIAESPRGM	VLVTGPTGSGKSTTLAAM	INYINETQPAHI				155		
NTDB id 1116 NGFG RS10615 WP 003690200.1	N.	VARFRVNAFNTGRGP	AAVFRTIPSTVLS	LEELKAPSIFQKIAESPRGM	VLVTGPTGSGKSTTLAAM	INYINETQPAHI				155		
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N.	VGRFRVNAFHQA	RGCSAVFRTIPTV	IPTLEQLDAPEIFSKI	ANYEKGLVLVTGPTGSGKSTTLAAM	VNYVNAHNNKHI				155		
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N.	VGRFRVNAFHQA	RGCSAVFRTIPTV	IPTLEQLDAPEIFSKI	ANYEKGLVLVTGPTGSGKSTTLAAM	VNYVNAHNNKHI				155		
NTDB id 1283 ACE17W RS02630 WP 010947729.1	N.	LARFRVNAFNQSRGA	AAVFRTIPSEILSMEDLGLPP	IFKEMASFSRGL	VLVTGPTGSGKSTTLAAV	IDYINSSRYEHI				155		
NTDB id 1259 GC085 RS10305 WP 010947729.1	N.	LARFRVNAFNQSRGA	AAVFRTIPSEILSMEDLGLPP	IFKEMASFSRGL	VLVTGPTGSGKSTTLAAV	IDYINSSRYEHI				155		
NTDB id 1202 PSJM300 01600 AFN76400.1	G.	VARFRVNAFNQNRGAGAVFRTIP	SKVLTMEDLGMGEVFRK	ITDVP	RGLVLVTGPTGSGKSTTLAAM	LDYLNNTKYHHI				155		
NTDB id 1194 PAKAF RS01995 WP 003084552.1	G.	VARFRVNAFNQNRGAGAVFRTIP	SKVLTMEDLGMGEVFRK	ITDVP	RGLVLVTGPTGSGKSTTLAAM	LDYLNNTKYHHI				155		
NTDB id 1020 ACIAD RS04210 WP 01182164.1	N.	LARFRVNVFNQNRGAGAVFRTIP	SQVLTLEELGLGKIFRD	ICDYPRGL	VLVTGPTGSGKSTTLAAM	LDYINNHRDYHI				155		
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N.	VARFRVNAFNQNRGAGAVFRTIP	SKVLTMEDLGLGQIFK	DCIDYPRG	IVLVTGPTGSGKSTTLAAM	LDYINENRYDHI				155		
NTDB id 1040 HON27 RS13360 WP 000355489.1	N.	VARFRVNAFNQNRGAGAVFRTIP	SKVLTMEDLGLGQIFK	DCIDYPRG	IVLVTGPTGSGKSTTLAAM	LDYINENRYDHI				155		
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	N.	VARFRVNAFNQNRGAGAVFRTIP	SKVLTMEDLGLGQIFK	DCIDYPRG	IVLVTGPTGSGKSTTLAAM	LDYINENRYDHI				155		
consensus	*	***!*****	*	*	*****	*****	*****	*****	*	*	*****!*****	!!

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NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
NTDB id 1019 ACIAD RS04205 WP 004922051.1
NTDB id 78219 JLF42 RS19315 WP 05322223.1
NTDB id 1307 DR RS10055 WP 01088596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GC085 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

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NTDB id 1177 A1552VC RS01165 WP 000422572.1
NTDB id 1203 PSJM300 01605 AFN76401.1
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NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1185 GTF74 RS11940 WP 000350195.1
NTDB id 1176 A1552VC RS01160 WP 000350195.1
NTDB id 1283 ACE17W RS02630 WP 010947729.1
NTDB id 1259 GC085 RS10305 WP 010947729.1
NTDB id 1202 PSJM300 01600 AFN76400.1
NTDB id 1194 PAKAF RS01995 WP 003084552.1
NTDB id 1020 ACIAD RS04210 WP 011182164.1
NTDB id 1060 ABD1 RS04380 WP 000355489.1
NTDB id 1040 HON27 RS13360 WP 000355489.1
NTDB id 1081 FDQ49 RS05335 WP 006581387.1
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 78219 JLF42 RS19315 WP 055322223.1	NFDQSLAERRAQGR.....	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	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 01182164.1	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	APATPAAPAAAGRSEPCGRACCFGR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 78219 JLF42 RS19315 WP 055322223.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPCGRAGGFGR	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 01182164.1	.....	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