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NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMLTHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTAL	LHAMMDARQAEEFKQ	TREANFAVVRD	75								
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	TPMSPEMTRET	VHGVMMNEQQRREFTENHECNFAISAR	76								
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSLKTNGEITPVSKTK	LDGDMIAQLIDSITTQKQRQEF	ETHECNFAILNR	76								
NTDB id 208665 BTE51 RS26140 WP 002916609.1	MKLEEIVALS	SVKHNVSDDLHLCNSAAPRWRRRQGR	LQPAFPF...APDTIANLLNDWLDAAQ	LLHWQEHGQIDFALT	73								
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDITILAA	GLPPQFKLSG	DYDAQGFEP	SASDTRKLMYSMMNERQQRI	FEEREKRELD	78							
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MMRRINLPEMSAE	EVGNMVT	VMNDHQRKIYQQN	LEVD	76						
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MMRRINLPEMSAE	EVGNMVT	VMNDHQRKIYQQN	LEVD	76						
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVRIDG	EVRLKGVPAFTHSDVHRL	LIFEIMNDAQRSEYEEK	LEVD	76							
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHLSAG	VPPMVRIDG	EVRLKGVPAFTHSDVHRL	LIFEIMNDAQRSEYEEK	LEVD	76							
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAG	MPPMIRVDGDLR	KNINLPPLEHKDV	IKIYD	IMNDRQRKEYEEFF	FETD	76						
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFSVKNGSSDLHISAG	MPPMIRVDGDLR	KNINLPPLEHKDV	IKIYD	IMNDRQRKEYEEFF	FETD	76						
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGGASDLHLSS	GLPPMIRVDG	DVRRINLPAMD	HKQVHALIYD	IMNDKQRKDFEE	FLET	76						
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGGASDLHLSAG	LPPMIRVDG	DVRRINLP	PLEHKQVHALIYD	IMNDKQRKDFEE	FLET	76						
NTDB id 1020 ACIAD RS04210 WP 01182164.1	MDITELLAFSVQNRASDLHLSAG	IPPMIRVDG	EVRRINLPAMD	HS	EVHNL	IYD	IMNDKQR	RDYEEKLE	TD	76			
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDG	EVRRINLP	PALEHKDVHRL	VYD	IMNDKQR	RDYEEKLE	TD	76				
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDG	EVRRINLP	PALEHKDVHRL	VYD	IMNDKQR	RDYEEKLE	TD	76				
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHLSAG	MPPMIRVDG	EVRRINLP	PALEHKDVHRL	VYD	IMNDKQR	RDYEEKLE	TD	76				
consensus	***	*****	*!*****	*****	*****	*	*	*	*	*****	*****	*	*!*****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	..S	GRFRVSAFFQ	RELPGAVIRRIET	RIPTFEEL	KLPEVLQNL	IAIAKRG	LVLVVGAT	TGSGKSTT	MAAMTGYRNQHR	BTGHI	153				
NTDB id 1203 PSJM300 01605 AFN76401.1	G.	IGRFRVSAFYQ	RNLAGMVLRR	RIETNIPT	IEDLKL	PDVLKKL	ALT	KRGLVLFV	GATGTGKST	SLAAMIGYRNKNSSGHI	155				
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNER	FRVSAFQ	QRDMPGMVIRRIET	KIPSP	DDLHL	PPILKEL	AMSKRG	IIIFSGAT	GTGKST	SLASMIQHRNQHSGKHI	156				
NTDB id 208665 BTE51 RS26140 WP 002916609.1	C.	GARLRAS	AF	AHTRGIS	LVLRL	LPEQ	CPRLDT	LGAPP	ALSELLA	EESGLLLVTGAT	TGSGKSTT	LAAMVGH	LNQHL	DGHI	152
NTDB id 1307 DR RS10055 WP 010888596.1	D.	KARFRVNAFM	Q	RGNVGGVMRL	IP	TTVRTIA	EMGLPQT	VIDIANAP	RGLVLVTGPT	TGSGKSTT	LAASMI	DHINTT	KKLHI	159	
NTDB id 1086 NMV RS00245 WP 002218487.1	N.	VARFRVNAFN	IGRGP	AAVFRT	IPSTVLS	LEELKAPS	SIFQKIA	ESPRGMVL	VTGPTGSGKSTT	LAAMIN	YINETQPAHI	155			
NTDB id 1116 NGFG RS10615 WP 003690200.1	N.	VARFRVNAFN	TGRGP	AAVFRT	IPSTVLS	LEELKAPS	SIFQKIA	ESPRGMVL	VTGPTGSGKSTT	LAAMIN	YINETQPAHI	155			
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N.	VGRFRVNAFHQ	ARGCS	AVFRTIPT	VIPTLE	QLDAPE	IFSKIAN	YEKGLVL	VTGPTGSGKSTT	LAAMVNYVN	NAHNKHI	155			
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N.	VGRFRVNAFHQ	ARGCS	AVFRTIPT	VIPTLE	QLDAPE	IFSKIAN	YEKGLVL	VTGPTGSGKSTT	LAAMVNYVN	NAHNKHI	155			
NTDB id 1283 ACE17W RS02630 WP 010947729.1	N.	LARFRVNAFNQ	SRGA	AAVFRT	IPSEIL	S	MEDLGLPP	IFKEMAS	FSRGLVL	VTGPTGSGKSTT	LAAVIDY	INSSRYEHI	155		
NTDB id 1259 GC085 RS10305 WP 010947729.1	N.	LARFRVNAFNQ	SRGA	AAVFRT	IPSEIL	S	MEDLGLPP	IFKEMAS	FSRGLVL	VTGPTGSGKSTT	LAAVIDY	INSSRYEHI	155		
NTDB id 1202 PSJM300 01600 AFN76400.1	G.	VARFRVNAFNQ	NRGAG	AVFRTIP	SKVLT	MEELGMGE	VFRK	ITD	VPRGLVL	VTGPTGSGKSTT	LAAMDYL	NNTKYHHI	155		
NTDB id 1194 PAKAF RS01995 WP 003084552.1	G.	VARFRVNAFNQ	NRGAG	AVFRTIP	SKVLT	MEELGMGE	VFRK	ITD	VPRGLVL	VTGPTGSGKSTT	LAAMDYL	NNTKYHHI	155		
NTDB id 1020 ACIAD RS04210 WP 01182164.1	N.	LARFRVNVFNQ	NRGAG	AVFRTIP	SKVLT	LEELGLGK	IFRD	ICDYPR	GLVLVTGPT	TGSGKSTT	LAAMDYL	INNHR	YDHI	155	
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N.	VARFRVNAFNQ	NRGAG	AVFRTIP	SKVLT	MEELGLGK	IFKD	ICDYPR	GLVLVTGPT	TGSGKSTT	LAAMDYL	INNHR	YDHI	155	
NTDB id 1040 HON27 RS13360 WP 000355489.1	N.	VARFRVNAFNQ	NRGAG	AVFRTIP	SKVLT	MEELGLGK	IFKD	ICDYPR	GLVLVTGPT	TGSGKSTT	LAAMDYL	INNHR	YDHI	155	
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	N.	VARFRVNAFNQ	NRGAG	AVFRTIP	SKVLT	MEELGLGK	IFKD	ICDYPR	GLVLVTGPT	TGSGKSTT	LAAMDYL	INNHR	YDHI	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 208665 BTE51 RS26140 WP 002916609.1
NTDB id 1307 DR RS10055 WP 010888596.1
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 1203 PSJM300 01605 AFN76401.1
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NTDB id 1020 ACIAD RS04210 WP 011182164.1
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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 208665 BTE51 RS26140 WP 002916609.1	TFTQSFQQCVAAGAL.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	TMDAYLAGLFRHLITYDKGLERAIDPKEFARLANDASAGLGG....ASMTPAAPPVPAYNSASSSSTGRGGDFGRGAA	394
NTDB id 1086 NMV RS00245 WP 002218487.1	TMDQSLQSLVRQGGLIAPEVARRRAQNSESMSEF.....	347
NTDB id 1116 NGFG RS10615 WP 003690200.1	TMDQSLQSLVRQGGLIAPEAARRRAQNSESMSEF.....	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	TLDQHLTELNVNKNIISKHTAHEAALNK.SLF.....	344
NTDB id 1259 GC085 RS10305 WP 010947729.1	TLDQHLTELNVNKNIISKHTAHEAALNK.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	TLDQSLKGLLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1040 HON27 RS13360 WP 000355489.1	TLDQSLKGLLVARGVISPQTARTAAKQP.ESFL.....	345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	TLDQSLKGLLVARGVISPQTARTAAKQP.ESFL.....	345
consensus	!*** * ** ***** * *	

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	APATPAAPAAAGRSEPGRAGGFGRR	368
NTDB id 1203 PSJM300 01605 AFN76401.1	.....	381
NTDB id 1019 ACIAD RS04205 WP 004922051.1	.....	383
NTDB id 208665 BTE51 RS26140 WP 002916609.1	.....	326
NTDB id 1307 DR RS10055 WP 010888596.1	APATPAAPAAAGRSEPGRAGGFGRR	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