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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	EPSLKTINGEITPVSKTK	LDGDMIAQLIDSITTQKQRQEF	ETHECNFAILNR	76								
NTDB id 361365 FC649 RS04300 WP 002916609.1	MKLEEIVALS	SVKHNVSDHLHCNSAAPRWRRQGRLQPAPFP...APDTIANLLNDWLDAAQ	LLHWQEHGQIDFALT	LA	73								
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDITILAAAGLPPQFKLSG	DYDAQGFEL	SASDTRKLMYSMMNERQQRI	FEEREKRELD	80								
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGD	MRRINLPEMSAE	EVGNMVT	VMNDHQRKIYQQNLEVD	76								
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSGISPMIRVHGD	MRRINLPEMSAE	EVGNMVT	VMNDHQRKIYQQNLEVD	76								
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHL	SAGVPPMVRIDG	EVRLKGVPAFTHSDVHRLIFEIM	NDAAQRSEYEEKLEVD	76								
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHL	SAGVPPMVRIDG	EVRLKGVPAFTHSDVHRLIFEIM	NDAAQRSEYEEKLEVD	76								
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFAFSVKNKSSDLHISAGMPPMIRVDG	DLRKNINLPPLEHKDVIKI	IYD	IMNDRQRKEYEEFFETDFSFEIA	76								
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFAFSVKNKSSDLHISAGMPPMIRVDG	DLRKNINLPPLEHKDVIKI	IYD	IMNDRQRKEYEEFFETDFSFEIA	76								
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGGASDLHLSSGLPPMIRVDG	DVRRINLPAMD	HKQVHALIYD	IMNDKQRKDFEEFLETDFSFEVP	76								
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGGASDLHL	SAGLPPMIRVDG	DVRRINLPPLEHKQVHALIYD	IMNDKQRKDFEEFLETDFSFEVP	76								
NTDB id 1020 ACIAD RS04210 WP 01182164.1	MDITELLAFSVQNRASDLHL	SAGIPPMIRVDG	EVRRINLPAMD	HS	EVHNL	IYD	IMNDKQRRDYEEKLETDFSFEVP	76					
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHL	SAGMPPMIRVDG	EVRRINLP	PALEHKDVHRLVYD	IMNDKQRRDYEEKLETDFSFEVP	76							
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHL	SAGMPPMIRVDG	EVRRINLP	PALEHKDVHRLVYD	IMNDKQRRDYEEKLETDFSFEVP	76							
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	MDITELLAFSVKNGASDLHL	SAGMPPMIRVDG	EVRRINLP	PALEHKDVHRLVYD	IMNDKQRRDYEEKLETDFSFEVP	76							
consensus	***	*****	*!*****	*****	*****	*	*	*	*	*****	*****	*	*!*****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	..S	GFRFRVSAFFQRELP	GAVIRRIET	RIPTFEEL	KLPEVLQNL	IAIAKRG	LVLVVGAT	TGSGKSTT	MAAMTGYRNQHR	BTGHI	153					
NTDB id 1203 PSJM300 01605 AFN76401.1	G.	I	GFRFRVSAFYQRNLAGMVL	RRIETNIPT	IEDLKL	PDVLKKL	ALT	KRGLVLFVGAT	TG	TGKSTSLAAM	IGYRNKNSSGHI	155				
NTDB id 1019 ACIAD RS04205 WP 004922051.1	EKNER	F	RVS	AFQ	QRDMPC	GMVIRRIET	KIP	SPDDLHL	PPIL	KELAMSKRG	IIIFSGATGTGKSTSLA	SMIQHRNQHSGKHI	156			
NTDB id 361365 FC649 RS04300 WP 002916609.1	C.	G	ARLRAS	AF	AHT	RGISL	VLRL	LPEQCP	RLDTL	GAPPAL	SELLAEESGLLL	VTGAT	TGSGKSTT	LAAVMVGHNL	QHLNDGHI	152
NTDB id 1307 DR RS10055 WP 010888596.1	D.	K	ARFRVNAFMQRGNV	GGVMRLIPT	TVRTIAEM	GLPQT	VIDIANAP	RGLVL	VTGPT	TGSGKSTT	LAAS	MIDHINTTKL	KLHI	159		
NTDB id 1086 NMV RS00245 WP 002218487.1	N.	V	ARFRVNAFNIGRGP	AAVFRTIP	STVLSLEEL	KAPSIFQ	KIAESPRGM	VLVTGPT	TGSGKSTT	LAAMIN	YINETQPAHI	155				
NTDB id 1116 NGFG RS10615 WP 003690200.1	N.	V	ARFRVNAFNTGRGP	AAVFRTIP	STVLSLEEL	KAPSIFQ	KIAESPRGM	VLVTGPT	TGSGKSTT	LAAMIN	YINETQPAHI	155				
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N.	V	GFRFRVNAFHQARGCS	AVFRTIPT	TVIPTLE	QLDAPEIF	SKIANYEK	GLVL	VTGPT	TGSGKSTT	LAAMVNYVNAH	HNKHI	155			
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N.	V	GFRFRVNAFHQARGCS	AVFRTIPT	TVIPTLE	QLDAPEIF	SKIANYEK	GLVL	VTGPT	TGSGKSTT	LAAMVNYVNAH	HNKHI	155			
NTDB id 1283 ACE17W RS02630 WP 010947729.1	N.	L	ARFRVNAFNQSRGA	AAVFRTIP	SEILSMED	LGLPPIFK	EMASFSRGL	VLVTGPT	TGSGKSTT	LAAVIDYIN	SSRYEHI	155				
NTDB id 1259 GC085 RS10305 WP 010947729.1	N.	L	ARFRVNAFNQSRGA	AAVFRTIP	SEILSMED	LGLPPIFK	EMASFSRGL	VLVTGPT	TGSGKSTT	LAAVIDYIN	SSRYEHI	155				
NTDB id 1202 PSJM300 01600 AFN76400.1	G.	V	ARFRVNAFNQNRGAG	AVFRTIP	SKVLT	MEDLGMGEV	FRKITD	VPRGL	VLVTGPT	TGSGKSTT	LAAML	DYLNNTKYHHI	155			
NTDB id 1194 PAKAF RS01995 WP 003084552.1	G.	V	ARFRVNAFNQNRGAG	AVFRTIP	SKVLT	MEELGMGEV	FRKITD	VPRGL	VLVTGPT	TGSGKSTT	LAAML	DYLNNTKYHHI	155			
NTDB id 1020 ACIAD RS04210 WP 011182164.1	N.	L	ARFRVNVFNQNRGAG	AVFRTIP	SQVLT	LEELGLGKIF	RDICDY	PRGL	VLVTGPT	TGSGKSTT	LAAML	DYINNHR	YDHI	155		
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N.	V	ARFRVNAFNQNRGAG	AVFRTIP	SKVLT	MEDLGLGQIF	KD	ICDY	PRG	IVLVTGPT	TGSGKSTT	LAAML	DYINENR	YDHI	155	
NTDB id 1040 HON27 RS13360 WP 000355489.1	N.	V	ARFRVNAFNQNRGAG	AVFRTIP	SKVLT	MEDLGLGQIF	KD	ICDY	PRG	IVLVTGPT	TGSGKSTT	LAAML	DYINENR	YDHI	155	
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	N.	V	ARFRVNAFNQNRGAG	AVFRTIP	SKVLT	MEDLGLGQIF	KD	ICDY	PRG	IVLVTGPT	TGSGKSTT	LAAML	DYINENR	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
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NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
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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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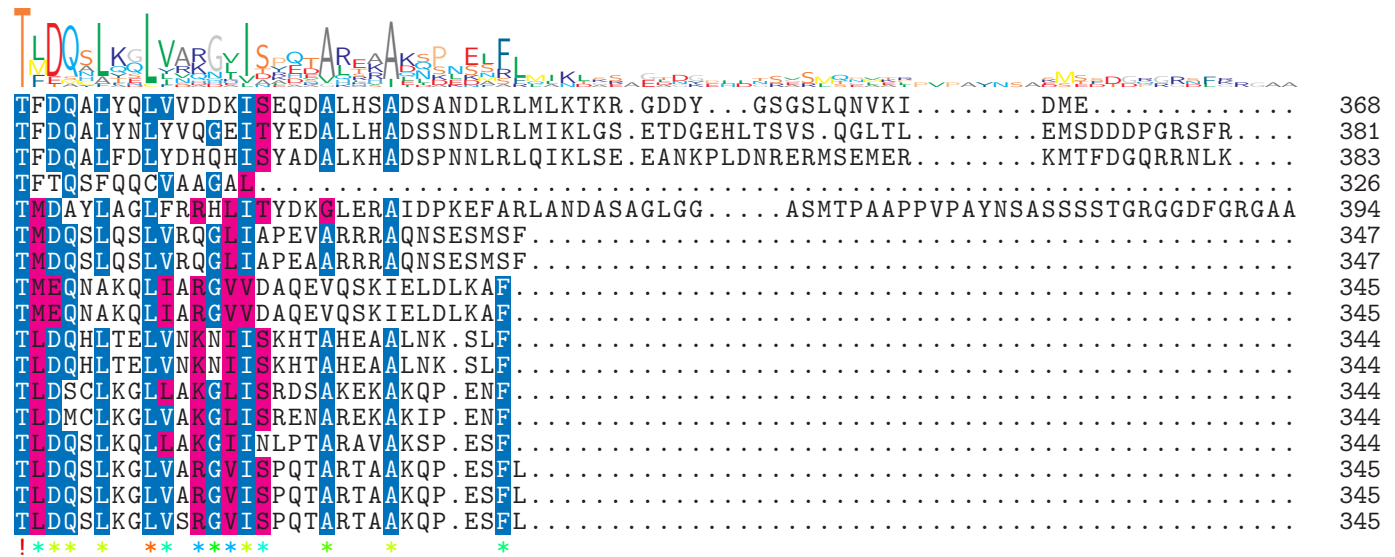
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NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 1086 NMV RS00245 WP 002218487.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
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NTDB id 1283 ACE17W RS02630 WP 010947729.1
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NTDB 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
NTDB id 1019 ACIAD RS04205 WP 004922051.1
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NTDB id 1283 ACE17W RS02630 WP 010947729.1
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NTDB id 1060 ABD1 RS04380 WP 000355489.1
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1
consensus

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NTDB	id	1177	A1552VC	RS01165	WP	000422572.1		368
NTDB	id	1203	PSJM300	01605	AFN76401.1			381
NTDB	id	1019	ACIAD	RS04205	WP	004922051.1	.....	383
NTDB	id	361365	FC649	RS04300	WP	002916609.1	.....	326
NTDB	id	1307	DR	RS10055	WP	010888596.1	APATPAAPAAGRSEPGRAGGFGR	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								

- X non conserved
- X similar
- X $\geq 50\%$ conserved