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NTDB id 1177 A1552VC RS01165 WP 000422572.1	MELNQYLDGMLITHKASDLYITVGA	PILYRVDGELRAQGEAL.SVADVTAL	LHAMMDARQAEFKQ	TREANFAVVRD	75							
NTDB id 1203 PSJM300 01605 AFN76401.1	MEFEKLLRLMVEKGGSDLFITAGV	PPSMKVNGKILPVNKT	TPMSPEMTRET	VHGVMMNEQQRREFTENHECNFAISAR	76							
NTDB id 1019 ACIAD RS04205 WP 004922051.1	MDFNDLLNLMAKHKASDLFITAGV	EPSLKTINGEITPVSKTKLDGDMIA	QLIDSITTQKQRQEF	ETHECNFAILNR	76							
NTDB id 253795 CTI59 RS23940 WP 002916609.1	MKLEEIVALS	SVKHNVSDDLHLCNSAAPRWRRQGR	LQPAFPF...APDTIANLLNDWLDAA	QQLLHWQEHGQIDFALT	73							
NTDB id 1307 DR RS10055 WP 010888596.1	MTSGIDITDILRLAADKGASDITILAA	AGLPPQFKLSG	YDAQGFEL	SASDTRKLMYSMMNERQQRIFE	EKRELD	78						
NTDB id 1086 NMV RS00245 WP 002218487.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRLNLP	EMSAEEVGNMVT	VMNDHQRKIYQQNLEVD	76						
NTDB id 1116 NGFG RS10615 WP 003690200.1	MQITDLLAFGAKNKASDLHLSSG	ISPMIRVHGD	MRRLNLP	EMSAEEVGNMVT	VMNDHQRKIYQQNLEVD	76						
NTDB id 1185 GTF74 RS11940 WP 000350195.1	MDIAELLEFSVKHNASDLHL	SAGVPPMVRIDG	EVRLKGVPAFTHSDVHRL	LIFEIMNDAAQRSEYE	EKLEVD	76						
NTDB id 1176 A1552VC RS01160 WP 000350195.1	MDIAELLEFSVKHNASDLHL	SAGVPPMVRIDG	EVRLKGVPAFTHSDVHRL	LIFEIMNDAAQRSEYE	EKLEVD	76						
NTDB id 1283 ACE17W RS02630 WP 010947729.1	MDIAELLAFSVKNGSSDLH	ISAGMPPMIRVDG	DLRKNLPP	LEHKDVIKI	IYD	76						
NTDB id 1259 GC085 RS10305 WP 010947729.1	MDIAELLAFSVKNGSSDLH	ISAGMPPMIRVDG	DLRKNLPP	LEHKDVIKI	IYD	76						
NTDB id 1202 PSJM300 01600 AFN76400.1	MDITELLAFSAKQGGASDLHL	SSGLPPMIRVDG	DVRRINLP	PAMDHKQVHALIYD	IMNDKQRKDFEE	FLET	76					
NTDB id 1194 PAKAF RS01995 WP 003084552.1	MDITELLAFSAKQGGASDLHL	SAGLPPMIRVDG	DVRRINLP	PAMDHKQVHALIYD	IMNDKQRKDFEE	FLET	76					
NTDB id 1020 ACIAD RS04210 WP 01182164.1	MDITELLAFSVQNRASDLHL	SAGIPPMIRVDG	EVRRINLP	PAMDHSEVHNLIYD	IMNDKQR	RDYE	76					
NTDB id 1060 ABD1 RS04380 WP 000355489.1	MDITELLAFSVKNGASDLHL	SAGMPPMIRVDG	EVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYE	76					
NTDB id 1040 HON27 RS13360 WP 000355489.1	MDITELLAFSVKNGASDLHL	SAGMPPMIRVDG	EVRRINLP	PALEHKDVHRLVYD	IMNDKQR	RDYE	76					
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consensus	***	*****	*!*****	*****	*****	*	*	*	*****	*****	*	*!*****

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NTDB id 1177 A1552VC RS01165 WP 000422572.1	..S	GFRFRVSAFFQRELP	GAVIRRIET	RIPTFEELK	LPVLQNL	IAIAKRG	LVLVVGAT	TGSGKSTT	MAAMTGYRNQHR	RTGHI	153		
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NTDB id 1307 DR RS10055 WP 010888596.1	D.	K	ARFRVNAFMQRGNV	GGVMRLIPT	TVRTIAEMGLP	QTVIDIANAP	RGLVLVTGPT	TGSGKSTT	LAAS	MDHINTT	KKLHI	159	
NTDB id 1086 NMV RS00245 WP 002218487.1	N.	V	ARFRVNAFNIGRGP	AAVFRTIP	STVLSLEEL	KAPSI	IFQKIAES	PRGMVLVTGPT	TGSGKSTT	LAAMIN	YINETQPAHI	155	
NTDB id 1116 NGFG RS10615 WP 003690200.1	N.	V	ARFRVNAFNTGRGP	AAVFRTIP	STVLSLEEL	KAPSI	IFQKIAES	PRGMVLVTGPT	TGSGKSTT	LAAMIN	YINETQPAHI	155	
NTDB id 1185 GTF74 RS11940 WP 000350195.1	N.	V	GFRFRVNAFHQARGCS	AVFRTIPT	TVIPTLEQL	DAPEIF	SKIANYEK	GLVLVTGPT	TGSGKSTT	LAAMVNYVNA	HHNKHI	155	
NTDB id 1176 A1552VC RS01160 WP 000350195.1	N.	V	GFRFRVNAFHQARGCS	AVFRTIPT	TVIPTLEQL	DAPEIF	SKIANYEK	GLVLVTGPT	TGSGKSTT	LAAMVNYVNA	HHNKHI	155	
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NTDB id 1259 GC085 RS10305 WP 010947729.1	N.	L	ARFRVNAFNQSRGA	AAVFRTIP	SEILSMED	LGLPPI	IFKEMAS	F	SRGLVLVTGPT	TGSGKSTT	LAAVIDYINSSRYEHI	155	
NTDB id 1202 PSJM300 01600 AFN76400.1	G.	V	ARFRVNAFNQNRGAG	AVFRTIP	SKVLT	MEELGMGEV	FRK	ITD	VPRGLVLVTGPT	TGSGKSTT	LAAMDYLNN	155	
NTDB id 1194 PAKAF RS01995 WP 003084552.1	G.	V	ARFRVNAFNQNRGAG	AVFRTIP	SKVLT	MEELGMGEV	FRK	ITD	VPRGLVLVTGPT	TGSGKSTT	LAAMDYLNN	155	
NTDB id 1020 ACIAD RS04210 WP 01182164.1	N.	L	ARFRVNVFNQNRGAG	AVFRTIP	SKVLT	LEELGLGK	IFR	DICDYP	RGLVLVTGPT	TGSGKSTT	LAAMDYINN	155	
NTDB id 1060 ABD1 RS04380 WP 000355489.1	N.	V	ARFRVNAFNQNRGAG	AVFRTIP	SKVLT	MEELGLGK	IFR	DICDYP	RGLVLVTGPT	TGSGKSTT	LAAMDYINN	155	
NTDB id 1040 HON27 RS13360 WP 000355489.1	N.	V	ARFRVNAFNQNRGAG	AVFRTIP	SKVLT	MEELGLGK	IFR	DICDYP	RGLVLVTGPT	TGSGKSTT	LAAMDYINN	155	
NTDB id 1081 FDQ49 RS05335 WP 006581387.1	N.	V	ARFRVNAFNQNRGAG	AVFRTIP	SKVLT	MEELGLGK	IFR	DICDYP	RGLVLVTGPT	TGSGKSTT	LAAMDYINN	155	
consensus	*	***!*****	*	*	***!*****	*****	*****	*	*	*	*****!*****	*****	!!

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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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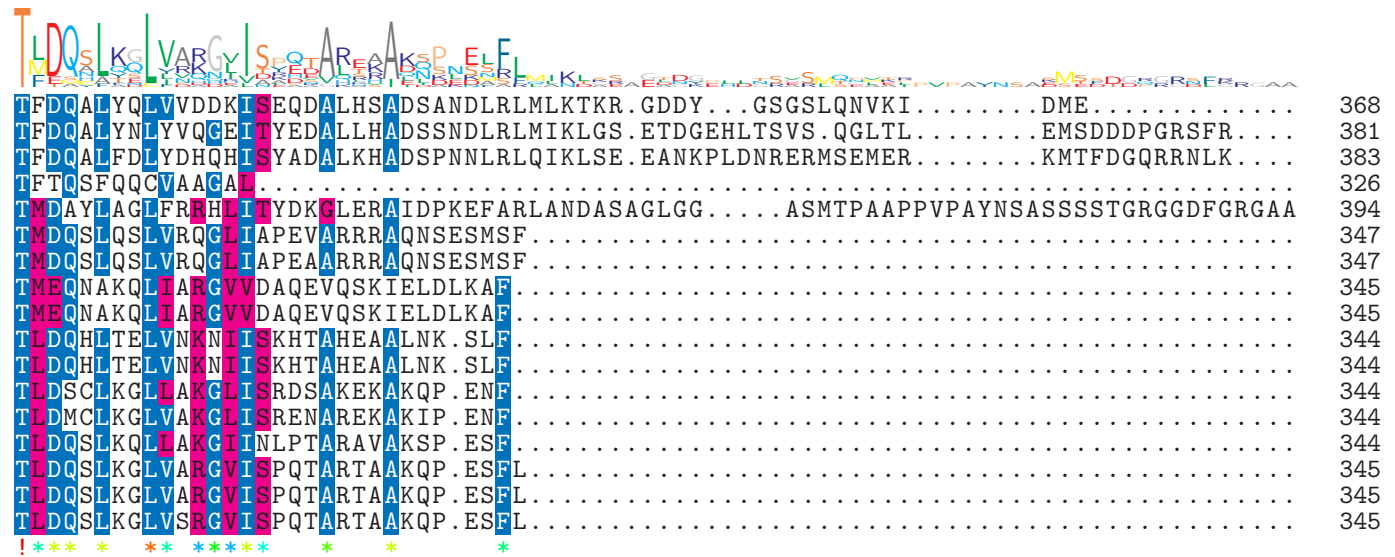
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consensus



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consensus

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consensus

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