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NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGRLLTRDVLRYTSSGA	AVGTF	SM	AVNRQFTNANGD	READFI	NCV	IWR	K	SAENFAN	F	TK	KGSL	V	GVDGR	L	QTR	80										
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGRLLTKDPELRYTP	NGAAVATFTL	AVNR	FTTNQSG	EREADFI	NCVT	WRR	QAEN	V	AN	F	LK	KGSL	A	GVDGR	L	QTR	80									
NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKTM	LIGRLTNAPEISKTTNNKSYVR	VT	LAVNR	RF	KNEK	GEREADFI	SI	IL	WGK	SAETL	V	SYAK	K	KGSLIS	VEGE	IRTR	79									
NTDB id 1036739 ACB350 RS00740 WP 003053955.1	MYNKVIA	IGRLVAKPELVKTATDKHVARL	SLAVNR	RF	KNAS	GEREADFI	SV	V	WGK	LAETL	V	SYAS	K	KGSL	M	S	IDGELR	TR	80								
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYNKVIM	IGRLTSTPELHKTNNDKS	VARATI	AVNR	RY	KDQNGEREADFVN	MVL	WGK	LAES	L	ASYAT	K	KGSLIS	V	DGELR	TR	80										
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYNKVIL	IGRLTSTPELHKTNNDKS	VARATI	AVNR	RY	KDQNGEREADFVN	MVL	WGRLAETL	ASYAT	K	KGSLIS	V	DGELR	TR	80												
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYNKVIM	IGRLTSTPELHKTNNDKS	VARATI	AVNR	RY	KDQNGEREADFVN	MVL	WGRLAETL	ASYAT	K	KGSLIS	V	DGELR	TR	80												
NTDB id 227 SPD RS09110 WP 000282467.1	MYNKVIM	IGRLTSTPELHKTNNDKS	VARATI	AVNR	RY	KDQNGEREADFVN	MVL	WGRLAETL	ASYAT	K	KGSLIS	V	DGELR	TR	80												
NTDB id 193 SPR RS08685 WP 000282467.1	MYNKVIM	IGRLTSTPELHKTNNDKS	VARATI	AVNR	RY	KDQNGEREADFVN	MVL	WGRLAETL	ASYAT	K	KGSLIS	V	DGELR	TR	80												
NTDB id 158 SP RS09595 WP 000282442.1	MYNKVIL	IGRLTSTPELHKTNNDKS	VARATI	AVNR	RY	KDQNGEREADFVN	MVL	WGRLAETL	ASYAT	K	KGSLIS	V	DGELR	TR	80												
NTDB id 409 SMU RS08940 WP 002263454.1	MYNKVIL	IGRLVATPEMVKTPKDKSV	TRVTLAVNR	RF	K	SQDGEK	QADFN	V	V	WGRLAET	I	ASYG	S	K	KGSLIS	L	DGELR	TR	80								
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYNKVIL	IGRLTAAP	EMVKT	PSN	KSV	THITLAVNR	RF	K	TQDGER	QADFN	V	V	FWG	K	LAES	L	V	SYAG	K	KGSL	V	S	L	DGE	I	TR	80
consensus	**!*!!!!!!* **** *! ***** **!!!!!!** **!*!!!!!!*****!*****!*****!*****!*****!*****!*****!*****!*****!																										

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NTDB id 624 LCA RS00040 WP 011373726.1	NYENQ	GGQ	RV	FVTEV	VVDN	FSLLES	RTTTE	QR	CGDGA	SQNFNS	NQSN	GSQ		QSGFT	TSP	QQT	TGN	APA	ANNT	QADP	153																	
NTDB id 113 BSU 40900 NP 391970.1	NYENQ	GGQ	RV	FVTEV	QAESV	QFLEP	KNGG	CSGS	....	GGYNEG	NSGGG	QYFGGG	QNDN	PF	GGN	QNN	QRRN	QGNS	FNDDP	155																		
NTDB id 597 KW2 RS01935 WP 021036727.1	NYTD	KNEQ	KHY	ITE	IL	GLS	YDLLES	RATL	ALRES	AVK	.....	.....	.....	.....	.....	.....	.....	.....	.....	116																		
NTDB id 1036739 ACB350 RS00740 WP 003053955.1	KYD	.K	DGQ	V	H	Y	V	T	E	V	L	C	Q	S	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	N	V	T	.....	.....	.....	.....	116	
NTDB id 498 SM12261 RS01980 WP 000282464.1	RFE	.K	NGQ	M	N	Y	V	T	E	V	L	V	T	G	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	N	A	G	.....	.....	.....	.....	116	
NTDB id 526 SMSK321 RS08825 WP 000282440.1	RFE	.K	NGQ	M	N	Y	V	A	E	V	L	V	T	G	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	N	A	G	.....	.....	.....	.....	116	
NTDB id 268 KZH43 RS08520 WP 000282467.1	RFE	.K	NGQ	M	N	Y	V	T	E	V	L	V	T	G	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	N	A	G	.....	.....	.....	.....	116	
NTDB id 227 SPD RS09110 WP 000282467.1	RFE	.K	NGQ	M	N	Y	V	T	E	V	L	V	T	G	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	N	A	G	.....	.....	.....	.....	116	
NTDB id 193 SPR RS08685 WP 000282467.1	RFE	.K	NGQ	M	N	Y	V	T	E	V	L	V	T	G	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	N	A	G	.....	.....	.....	.....	116	
NTDB id 158 SP RS09595 WP 000282442.1	RFE	.K	NGQ	M	N	Y	V	T	E	V	L	V	T	G	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	N	A	G	.....	.....	.....	.....	116	
NTDB id 409 SMU RS08940 WP 002263454.1	KYE	.K	DG	V	T	H	F	V	T	E	V	L	G	H	S	F	Q	L	L	E	S	R	A	Q	R	A	M	R	E	N	N	S	E					116
NTDB id 583 DLJ51 RS09560 WP 002962590.1	HYE	.K	DG	Q	T	H	Y	V	T	E	I	L	A	Q	S	F	Q	L	L	E	S	R	A	Q	R	A	L	R	E	N	N	G	A					116
consensus	***	*****	***	!	***	***	!	!	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****		

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NTDB id 624 LCA RS00040 WP 011373726.1	FAN	NG	Q	A	I	D	I	S	D	D	D	L	P	F	170		
NTDB id 113 BSU 40900 NP 391970.1	FAN	D	G	K	P	I	D	I	S	D	D	D	L	P	F	172	
NTDB id 597 KW2 RS01935 WP 021036727.1	...	T	E	E	L	L	E	A	E	D	L	P	F	129			
NTDB id 1036739 ACB350 RS00740 WP 003053955.1	..	N	D	L	V	D	L	V	L	E	E	D	T	L	P	F	131
NTDB id 498 SM12261 RS01980 WP 000282464.1	..	Q	D	L	A	D	L	V	L	E	E	E	L	P	F	131	
NTDB id 526 SMSK321 RS08825 WP 000282440.1	..	Q	D	L	A	D	L	V	L	E	E	E	L	P	F	131	
NTDB id 268 KZH43 RS08520 WP 000282467.1	..	Q	D	L	A	D	L	V	L	E	E	E	L	P	F	131	
NTDB id 227 SPD RS09110 WP 000282467.1	..	Q	D	L	A	D	L	V	L	E	E	E	L	P	F	131	
NTDB id 193 SPR RS08685 WP 000282467.1	..	Q	D	L	A	D	L	V	L	E	E	E	L	P	F	131	
NTDB id 158 SP RS09595 WP 000282442.1	..	Q	D	L	A	D	L	V	L	E	E	E	L	P	F	131	
NTDB id 409 SMU RS08940 WP 002263454.1	..	N	D	L	A	D	L	V	L	E	E	E	L	P	F	131	
NTDB id 583 DLJ51 RS09560 WP 002962590.1	..	S	D	L	T	D	L	V	L	E	E	E	L	P	F	131	
consensus	*****!!!!																

- ☐ non conserved
- ☒ similar
- ☒ ≥ 50% conserved