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NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGRLLTRDVLRYTSSGA	AVGTF	SM	AVNRQFTNANGD	READF	IN	CV	IWR	K	SAENFAN	F	TK	KGSL	V	GVDGR	L	QTR	80							
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGRLLTKDPELRYTPNGAA	AVATF	TL	AVNRFTTNQSGER	AD	F	IN	CV	TWR	RQAEN	V	AN	FLK	KGSL	AG	VDGR	L	QTR	80						
NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKTM	LIGRLTNAPEISKTTN	NKSYVRVT	LAVNR	RFKNEKGER	AD	F	IS	IL	WGK	SAETL	VSYAK	KGSL	IS	VEGE	I	RTR	79							
NTDB id 1036793 ACB336 RS00730 WP 003053955.1	MYNKVIA	IGRLVAKPELVKTATDKHVARL	SLAVNR	RFKNASGER	AD	F	IS	VV	WGK	LAETL	VSYAS	KGSL	MS	ID	GEL	RTR	80								
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYNKVI	MIGRLTSTPELHKTNN	DKS	VARATIAVNR	RYKDN	GER	AD	F	VNM	V	WGK	LAES	SL	ASYAT	KGSL	IS	V	D	GEL	RTR	80				
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYNKVIL	IGRLTSTPELHKTNN	DKS	VARATIAVNR	RYKDN	GER	AD	F	VNM	V	WGK	LAETL	ASYAT	KGSL	IS	V	D	GEL	RTR	80					
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYNKVI	MIGRLTSTPELHKTNN	DKS	VARATIAVNR	RYKDN	GER	AD	F	VNM	V	WGK	LAETL	ASYAT	KGSL	IS	V	D	GEL	RTR	80					
NTDB id 227 SPD RS09110 WP 000282467.1	MYNKVI	MIGRLTSTPELHKTNN	DKS	VARATIAVNR	RYKDN	GER	AD	F	VNM	V	WGK	LAETL	ASYAT	KGSL	IS	V	D	GEL	RTR	80					
NTDB id 193 SPR RS08685 WP 000282467.1	MYNKVI	MIGRLTSTPELHKTNN	DKS	VARATIAVNR	RYKDN	GER	AD	F	VNM	V	WGK	LAETL	ASYAT	KGSL	IS	V	D	GEL	RTR	80					
NTDB id 158 SP RS09595 WP 000282442.1	MYNKVIL	IGRLTSTPELHKTNN	DKS	VARATIAVNR	RYKDN	GER	AD	F	VNM	V	WGK	LAETL	ASYAT	KGSL	IS	V	D	GEL	RTR	80					
NTDB id 409 SMU RS08940 WP 002263454.1	MYNKVIL	IGRLVATPEMVKTPKDKSVTRVT	LAVNR	RFKSDG	EKQAD	F	VNM	V	V	WGK	LAET	I	ASYG	SK	KGSL	IS	L	D	GEL	RTR	80				
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYNKVIL	IGRLTAAP	EMVKT	PSN	KSVTHIT	LAVNR	RFKTQD	GER	QAD	F	VNM	V	V	WGK	LAES	LV	SYAG	KGSL	V	S	L	D	GEL	RTR	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	SPQQ	TGN	APA	ANNT	QADP	153			
NTDB id 113 BSU 40900 NP 391970.1	NYENQ	GGQ	RV	FVTEV	QAESV	QFLEP	KNGG	CSGS	....	GGYNEG	NSGGG	QYFG	GGGQ	NDNP	PF	GGN	QNN	QRRN	QGNS	FND	DP	155	
NTDB id 597 KW2 RS01935 WP 021036727.1	NYTD	KNEQ	KHYI	TEI	IL	GLS	YDLLES	RATL	AL	RES	AVK	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	116	
NTDB id 1036793 ACB336 RS00730 WP 003053955.1	KYD	.KDGQ	VHY	VTEV	LCQS	FQLLES	RA	Q	R	A	M	RE	N	N	V	T	.....	.....	.....	.....	.....	.....	116
NTDB id 498 SM12261 RS01980 WP 000282464.1	RFE	.KNGQ	MNY	VTEV	LV	TG	FQLLES	RA	Q	R	A	M	RE	N	N	A	G	.....	.....	.....	.....	.....	116
NTDB id 526 SMSK321 RS08825 WP 000282440.1	RFE	.KNGQ	MNY	V	A	EVL	V	TG	FQLLES	RA	Q	R	A	M	RE	N	N	A	G	.....	.....	.....	116
NTDB id 268 KZH43 RS08520 WP 000282467.1	RFE	.KNGQ	MNY	VTEV	LV	TG	FQLLES	RA	Q	R	A	M	RE	N	N	A	G	.....	.....	.....	.....	.....	116
NTDB id 227 SPD RS09110 WP 000282467.1	RFE	.KNGQ	MNY	VTEV	LV	TG	FQLLES	RA	Q	R	A	M	RE	N	N	A	G	.....	.....	.....	.....	.....	116
NTDB id 193 SPR RS08685 WP 000282467.1	RFE	.KNGQ	MNY	VTEV	LV	TG	FQLLES	RA	Q	R	A	M	RE	N	N	A	G	.....	.....	.....	.....	.....	116
NTDB id 158 SP RS09595 WP 000282442.1	RFE	.KNGQ	MNY	VTEV	LV	TG	FQLLES	RA	Q	R	A	M	RE	N	N	A	G	.....	.....	.....	.....	.....	116
NTDB id 409 SMU RS08940 WP 002263454.1	KYE	.KDG	VTH	FVTEV	L	GHS	FQLLES	RA	Q	R	A	M	RE	N	N	S	E	.....	.....	.....	.....	.....	116
NTDB id 583 DLJ51 RS09560 WP 002962590.1	HYE	.KDG	QTH	YVTE	I	L	A	QS	FQLLES	RA	Q	R	A	L	RE	N	N	A	G				116
consensus	***	*****	***	!***	*****	!*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	

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NTDB id 624 LCA RS00040 WP 011373726.1	FAN	NGQA	I	D	I	S	DDD	L	P	F	170						
NTDB id 113 BSU 40900 NP 391970.1	FAN	DGK	P	I	D	I	S	DDD	L	P	F	172					
NTDB id 597 KW2 RS01935 WP 021036727.1	...	TE	L	L	E	A	D	L	P	F	129						
NTDB id 1036793 ACB336 RS00730 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