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NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGRLTRDVLRYTSSGA	AVGTF	SMAVNRQ	FTNANG	DREADF	INCVIWR	KSAENF	ANFTK	KGSL	VGV	DGR	LQ	TR	80											
NTDB id 237561 CFA72 RS05655 WP 029713971.1	MINNVVLIGRLTKDVELRYTPSQV	ACAQFT	LAVNRNF	KNQD	GQKEAD	FNCVMWR	QAAENL	TNWT	KKGHL	IAIT	TGR	I	Q	TR	80										
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGRLTKDPELRYTPNGA	AVATFT	LAVNRT	FTNQ	SGERAD	FNCVT	WRRQA	ENVAN	FLK	KGSL	AGVDGR	LQ	TR	80											
NTDB id 112 BSU 36310 NP 391512.2	MFNQVMLVGRLTKDPLRYTSAGA	AVAHVT	LAVNRS	FKNAS	GEIEAD	YVNCT	LWRKT	TAENT	ALYC	QKGSL	VGV	SGR	I	Q	TR	80									
NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKTM	LIGRLTNAPEISKTTNN	KSYVRV	TLAVNRR	FKNE	KG	ERAD	F	IS	ILWG	KSAET	TLV	SYAK	KGSL	ISV	E	GE	I	R	TR	79				
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYN	KVIMIGRLTSTPELHKTNN	DKS	VARAT	IAVNRRY	KDQ	NGERAD	FVNM	VLWG	KLAES	LASYAT	KGSL	ISV	DG	EL	R	TR	80					80		
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYN	KVILIGRLTSTPELHKTNN	DKS	VARAT	IAVNRRY	KDQ	NGERAD	FVNM	VLWG	RLAET	LASYAT	KGSL	ISV	DG	EL	R	TR	80					80		
NTDB id 158 SP RS09595 WP 000282442.1	MYN	KVILIGRLTSTPELHKTNN	DKS	VARAT	IAVNRRY	KDQ	NGERAD	FVNM	VLWG	RLAET	LASYAT	KGSL	ISV	DG	EL	R	TR	80					80		
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYN	KVIMIGRLTSTPELHKTNN	DKS	VARAT	IAVNRRY	KDQ	NGERAD	FVNM	VLWG	RLAET	LASYAT	KGSL	ISV	DG	EL	R	TR	80					80		
NTDB id 227 SPD RS09110 WP 000282467.1	MYN	KVIMIGRLTSTPELHKTNN	DKS	VARAT	IAVNRRY	KDQ	NGERAD	FVNM	VLWG	RLAET	LASYAT	KGSL	ISV	DG	EL	R	TR	80					80		
NTDB id 193 SPR RS08685 WP 000282467.1	MYN	KVIMIGRLTSTPELHKTNN	DKS	VARAT	IAVNRRY	KDQ	NGERAD	FVNM	VLWG	RLAET	LASYAT	KGSL	ISV	DG	EL	R	TR	80					80		
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYN	KVILIGRLTAAPEMVKTPSN	KSVTHIT	LAVNRR	FKTQD	GERQ	AD	FVNV	VFWG	KLAES	LV	SYAG	KGSL	VSL	DGE	I	TR	80					80		
NTDB id 409 SMU RS08940 WP 002263454.1	MYN	KVILIGRLVATPEMVKTPKD	KSVTRV	TLAVNRR	FKS	QDGE	KQ	AD	FVNV	VLWG	RLAET	TI	ASYG	SKGSL	ISL	DGE	L	TR	80					80	
consensus	*****!!!!* *** *! * ***** **!!!!** * !!!!!*****!!!!***** !!!*****!!!!																								

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NTDB id 624 LCA RS00040 WP 011373726.1	NYEN	QGGQR	VYVTE	VVDN	FS	LLES	RTTTE	QR	QDG	ASQNF	NSN	QSN	.	GS	QSG	FTSP	QQTGN	APA	ANNT	QAD	PF	ANNG	158								
NTDB id 237561 CFA72 RS05655 WP 029713971.1	NYEN	QGGQR	VYVTE	VVAES	FQ	ILE	KRD	KT	ANT	NSL	ADT	.	.	.	.	.	.	.	.	.	.	.	130								
NTDB id 113 BSU 40900 NP 391970.1	NYEN	QGGQR	VYVTE	VQAES	VQ	FLEP	KNGG	GSG	GGY	NEG	NSGGG	QYFG	GGG	QND	NPFG	G	QNN	QRR	NQ	NSF	ND	DP	FANDG	160							
NTDB id 112 BSU 36310 NP 391512.2	SYENE	EGVNV	YVTE	V	LADT	VR	FMD	P	KPRE	KAA	D	.	.	.	.	.	.	.	.	.	.	.	.	113							
NTDB id 597 KW2 RS01935 WP 021036727.1	NYTD	KNE	QKH	YITE	IL	GLS	YD	LLES	RAT	LAL	RES	AV	.	.	.	.	.	.	.	.	.	.	.	T	117						
NTDB id 498 SM12261 RS01980 WP 000282464.1	RFE	.	KNG	QM	N	YVTE	V	LTG	FQ	LLES	RA	Q	R	A	M	R	E	N	N	A	G	Q	D	.	L	119					
NTDB id 526 SMSK321 RS08825 WP 000282440.1	RFE	.	KNG	QM	N	YV	A	E	V	L	T	G	FQ	LLES	RA	Q	R	A	M	R	E	N	N	A	G	Q	D	.	L	119	
NTDB id 158 SP RS09595 WP 000282442.1	RFE	.	KNG	QM	N	YVTE	V	LTG	FQ	LLES	RA	Q	R	A	M	R	E	N	N	A	G	Q	D	.	.	.	.	L	119		
NTDB id 268 KZH43 RS08520 WP 000282467.1	RFE	.	KNG	QM	N	YVTE	V	LTG	FQ	LLES	RA	Q	R	A	M	R	E	N	N	A	G	Q	D	.	.	.	.	L	119		
NTDB id 227 SPD RS09110 WP 000282467.1	RFE	.	KNG	QM	N	YVTE	V	LTG	FQ	LLES	RA	Q	R	A	M	R	E	N	N	A	G	Q	D	.	.	.	.	L	119		
NTDB id 193 SPR RS08685 WP 000282467.1	RFE	.	KNG	QM	N	YVTE	V	LTG	FQ	LLES	RA	Q	R	A	M	R	E	N	N	A	G	Q	D	.	.	.	.	L	119		
NTDB id 583 DLJ51 RS09560 WP 002962590.1	HYE	.	KD	G	Q	TH	Y	VTE	TL	A	Q	S	FQ	LLES	RA	Q	R	A	L	R	E	N	N	A	G	S	D	.	L	119	
NTDB id 409 SMU RS08940 WP 002263454.1	KYE	.	KD	G	V	TH	F	VTE	V	L	G	H	S	FQ	LLES	RA	Q	R	A	M	R	E	N	N	S	E	N	D	.	L	119
consensus	**	*****	***!	**	*****	*****	*****	*****	*****	*****	*****	*****	*												*						

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NTDB id 624 LCA RS00040 WP 011373726.1	QA	ID	IS	DDD	L	P	F	170
NTDB id 237561 CFA72 RS05655 WP 029713971.1	.	.	.	.	.	.	.	130
NTDB id 113 BSU 40900 NP 391970.1	KP	ID	IS	DDD	L	P	F	172
NTDB id 112 BSU 36310 NP 391512.2	.	.	.	.	.	.	.	113
NTDB id 597 KW2 RS01935 WP 021036727.1	E	E	L	L	E	A	D	129
NTDB id 498 SM12261 RS01980 WP 000282464.1	A	D	L	V	L	E	E	131
NTDB id 526 SMSK321 RS08825 WP 000282440.1	A	D	L	V	L	E	E	131
NTDB id 158 SP RS09595 WP 000282442.1	A	D	L	V	L	E	E	131
NTDB id 268 KZH43 RS08520 WP 000282467.1	A	D	L	V	L	E	E	131
NTDB id 227 SPD RS09110 WP 000282467.1	A	D	L	V	L	E	E	131
NTDB id 193 SPR RS08685 WP 000282467.1	A	D	L	V	L	E	E	131
NTDB id 583 DLJ51 RS09560 WP 002962590.1	T	D	L	V	L	E	E	131
NTDB id 409 SMU RS08940 WP 002263454.1	A	D	L	V	L	E	E	131
consensus	*****							

 non conserved
 similar
 $\geq 50\%$ conserved