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NTDB id 1184	GTF74	RS02335	WP 000649326.1	...MKAYKNKQ	QKGFTLIELMIVVAVIGVLA	AIAIPQYQNYVVK	KS	IGVGLANIT	ALKTNIEDYI	ATEGSFP	PATTAGTAA	77
NTDB id 1167	A1552VC	RS11065	WP 000649326.1	...MKAYKNKQ	QKGFTLIELMIVVAVIGVLA	AIAIPQYQNYVVK	KS	IGVGLANIT	ALKTNIEDYI	ATEGSFP	PATTAGTAA	77
NTDB id 1160	ABDM36	RS02330	WP 000649326.1	...MKAYKNKQ	QKGFTLIELMIVVAVIGVLA	AIAIPQYQNYVVK	KS	IGVGLANIT	ALKTNIEDYI	ATEGSFP	PATTAGTAA	77
NTDB id 1292	VP	RS12235	WP 005479693.1	...MKHKSQKK	QKGFTLIELMIVVAVIGVLA	AIAIPAYQNYVTR	SEVTSGLATVK	ALITPAELHY	QE	NGIAAAAT	....	72
NTDB id 1038	HON27	RS01510	WP 000993725.1	MNA	QKGFTLIELMIVVAVIGVLA	AIAIPQYQNYIA	KSQVNS	GFSEISSIK	TGYENAVNE	CAVPTKLS	SDV..	69
NTDB id 1192	PAKAF	RS23870	WP 024947914.1	MKA	QKGFTLIELMIVVAVIGVLA	AIAIPQYQNYVAR	SEGASALASVN	PLKTTVEE	ALSR	CWSVKSGT	GTED	71
NTDB id 186565	BAY15	RS14990	WP 068853815.1	MKK	QKGFTLIELMIVVAVIGVLA	AIAIPAYQDYVVR	SQGASALAEIT	PAKVGFEQ	AVNE	GKTPSTAA	ADA.	70
NTDB id 1197	PSJM300	03940	AFN76866.1	MKAQM	QKGFTLIELMIVVAVIGVLA	AIALPAYQDYTVRS	NAAAALAEIT	PGKIGFEQ	AIINE	GKTPSLT	STDE.	72
NTDB id 1204	PSJM300	03935	AFN76865.1	MKPV	KSSCRGFS	LIELMIVVAVIGVLA	AIALPAYQNYTVR	STAASALAEIT	PAKAAFEQ	AI	ISE	74
NTDB id 1109	OK783	RS10670	WP 157147416.1	MNTL	QKGFTLIELMIVTAIVG	ILAAVALPAYQDYTARA	QVSEATLLA	EGQKSAVTE	YYLNHG	GIWPKDNT	SAGV	73
NTDB id 1424	RS	RS02795	WP 011000517.1	MKSMRHLNKR	VQKGFTLIELMIVVAVIGVLA	AIAIPAYQDYTVR	ARVTEGLSLAA	QAKALVSE	NAANAQSD	LSV.....		74
NTDB id 1002	ACIAD	RS15100	WP 004923779.1	MNA	QKGFTLIELMIVTAIVG	ILAAIAIPAYTDYT	VRARVSEGLTAA	SSMKTIVSE	NILNAG	CALVAGTP	STAG	72
NTDB id 1274	LPP	RS09530	WP 011214168.1	MR	QKGFTLIELMIVVAVIGVLA	AIAIPAYQDYTIRAR	VTEGLTLAD	SAKLAVSE	TAITNNAL	PATQAAT	GY	71
NTDB id 1258	GCO85	RS09745	WP 014844212.1	MR	QKGFTLIELMIVVAVIGVLA	AIAIPAYQDYTIRAR	VTEGLTLAD	SAKLAVSE	TAITNNAL	PATQAAT	GY	71
consensus					*****	*****	*****	*****	*****	*****	*****	

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NTDB id 1184	GTF74	RS02335	WP 000649326.1	G.....	FTRL	LGT	VED	M	DGDK	IVIA	PTAS	GAL	G	G	T	I	K	Y	T	F	D	A	G		V	V	S	S	S	K	I	Q	L	A	.	R	D	A	.	127																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1167	A1552VC	RS11065	WP 000649326.1	G.....	FTRL	LGT	VED	M	DGDK	IVIA	PTAS	GAL	G	G	T	I	K	Y	T	F	D	A	G		V	V	S	S	S	K	I	Q	L	A	.	R	D	A	.	127																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1160	ABDM36	RS02330	WP 000649326.1	G.....	FTRL	LGT	VED	M	DGDK	IVIA	PTAS	GAL	G	G	T	I	K	Y	T	F	D	A	G		V	V	S	S	S	K	I	Q	L	A	.	R	D	A	.	127																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB id 1292	VP	RS12235	WP 005479693.1		LAQL	G	V	D	V		A	A	N	D	L	G	A	I	D	S	A		L	A	G	S	P	T	L	T	F	T	D		A	D	S	S	I	D	G	G	I	L	T	F	T	D	.	R	D	A	.	120																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NTDB id 1038	HON27	RS01510	WP 000993725.1		G	F	T	A		A	T	S	S	V	C	A	T	Y	S	I		D	A	F	T	E	T	D	G	A	G	I	T	C	T	L	K	G	N		P	K	I	A	T	K	I	V	E	L	T	.	R	S	T	.	117																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
NTDB id 1192	PAKAF	RS23870	WP 024947914.1	ATKKEVPL	G	V	A	A		D	A	N	K	L	G	T	I	.	A	L		K	P	D	P	A	D	G	T	A	D	I	T	L	T	F	T	M	G	G		A	G	P	K	N	K	G	K	I	I	T	L	T	.	R	T	A	A	.	129																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB id 186565	BAY15	RS14990	WP 068853815.1		G	F	V	G	V	G	P		S	T	S	.	Y	C	T	V	.	T	V		G		A	D	N	I	Q	C	V	T	K	G	G		N	A	T	K	F	N	G	K	K	.	V	I	W	T	.	R	T	A	D	.	115																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 1197	PSJM300	03940	AFN76866.1		G	Y	I	.	G	I	T	D		S	T	S	.	Y	C	D	V	.	D	L		D	T		A	A	D	G	H	I	E	.	T	A	K	G		N	A	G	K	F	D	G	K	T	.	I	T	L	N	.	R	T	A	.	119																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB id 1204	PSJM300	03935	AFN76865.1		G	F	I	.	G	I	G	A		S	T	N	.	Y	C	T	V	.	T	L		I	A		T	A	T	G	S	.	I	T	C	T	T	Q	N	G		M	P	D	R	F	N	G	K	T	.	I	T	I	A	.	R	T	T	.	121																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id 1109	OK783	RS10670	WP 157147416.1	ASA.....	S	T	I		K	G	K	Y	.	V	Q	K	V	E	.	V		A	K	G	V	.	V	T	A	Q	M	A	S	T		G	V	N	K	E	I	Q		D	K	K	L	S	L	W	A	K	.	R	Q	D	G	.	121																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 1424	RS	RS02795	WP 011000517.1		G	S	S	V	F		T	P	T	K	N	.	V	A	N	L	T	.	I		A	G	T	G	T	V	P	G	Q	I	T	V	T	Y	T	.	T	A	A	G	G	G	T	L	A	L	V	P	T	A	A	G	T	A	L	.	P	V	S	S	A	P	S	G	.	132																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NTDB id 1002	ACIAD	RS15100	WP 004923779.1	SSC....	V	G	V	Q	E	I	S	A	S	N	A	T	T	N	.	V	A	T	A		T	C	G	A	S	S	.	A	G	Q	I	I	V	T	M	D	T	T	K	A	K	A	N	I	T	L	T	P	T		Y	A	S	G	.	126																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB id 1274	LPP	RS09530	WP 011214168.1	V.....	S	P	A	A	.	T	P	N	.	V	A	S	I		A	I	G	A		N	G	V	.	I	T	I	T	Y	.	T	A	A	A	G	G	G	T	I	V	M	T	P	T	L		Q	A	N	G	.	114																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
NTDB id 1258	GCO85	RS09745	WP 014844212.1	V.....	S	P	A	A	.	T	P	N	.	V	Q	S	I		A	I	G	A		N	G	V	.	I	T	I	T	Y	.	T	A	A	A	G	G	G	T	I	I	M	T	P	T	L		Q	A	N	G	.	114																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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NTDB id 1184	GTF74	RS02335	WP 000649326.1	NGLWTCSTT		VTSEIAPKGCT	AGATIN		153		
NTDB id 1167	A1552VC	RS11065	WP 000649326.1	NGLWTCSTT	.....	VTSEIAPKGCT	AGATIN	.....	153		
NTDB id 1160	ABDM36	RS02330	WP 000649326.1	NGLWTCSTT	.....	VTSEIAPKGCT	AGATIN	.....	153		
NTDB id 1292	VP	RS12235	WP 005479693.1	ATGWSCLPT	.....	APAIA.VDGC	S	.....	139		
NTDB id 1038	HON27	RS01510	WP 000993725.1	DGAWTCVSD	.....	VPTEFLPKGCT	AGTPT	EGAITS	149		
NTDB id 1192	PAKAF	RS23870	WP 024947914.1	DGLWKCTSD	.....	QDEQFIPKGCS	K	.....	150		
NTDB id 186565	BAY15	RS14990	WP 068853815.1	TGLWACTSD	.....	LDAKYKPGKCT	S	.....	135		
NTDB id 1197	PSJM300	03940	AFN76866.1	DGEWSCAST	.....	LDAKYKPGKCS	S	.....	139		
NTDB id 1204	PSJM300	03935	AFN76865.1	DGLWDCTSD	.....	LDSRYKPGKCL	S	.....	141		
NTDB id 1109	OK783	RS10670	WP 157147416.1	SVKWF	CGQPVTRTGD	NDDTVADANNA	IDTKHLPST	CR	DESSAT	164	
NTDB id 1424	RS	RS02795	WP 011000517.1	PIMWTCYA	QNKAAQAA	SSVAPSGTMS	LA	AKYAP	A	ECR	168
NTDB id 1002	ACIAD	RS15100	WP 004923779.1	AVTWKCTTT		S.DKKYVP	SE	CRG		147	
NTDB id 1274	LPP	RS09530	WP 011214168.1	DVTWTC	TGG		TLLAKYRPAS	CRP		136	
NTDB id 1258	GCO85	RS09745	WP 014844212.1	DVTWTC	TGG		TLLAKYRPAS	CRP		136	
consensus				* ! * ! *	*	*	*	*	!	*	

 non conserved
 similar
 $\geq 50\%$ conserved