

NTDB	id	1184	GTF74	RS02335	WP	000649326.1	...MKAYKNKQ	QK	GFTL	IELM	IVVA	IGV	LAAAI	PA	QY	QNY	VVK	KS	AI	GV	GLAN	IT	AL	KT	NI	ED	YI	ATE	G	SF	P	ATTAGTAA	77																																			
NTDB	id	1167	A1552VC	RS11065	WP	000649326.1	...MKAYKNKQ	QK	GFTL	IELM	IVVA	IGV	LAAAI	PA	QY	QNY	VVK	KS	AI	GV	GLAN	IT	AL	KT	NI	ED	YI	ATE	G	SF	P	ATTAGTAA	77																																			
NTDB	id	1160	ABDM36	RS02330	WP	000649326.1	...MKAYKNKQ	QK	GFTL	IELM	IVVA	IGV	LAAAI	PA	QY	QNY	VVK	KS	AI	GV	GLAN	IT	AL	KT	NI	ED	YI	ATE	G	SF	P	ATTAGTAA	77																																			
NTDB	id	1292	VP	RS12235	WP	005479693.1	...MKHSKQKK	Q	GFTL	IELM	IVVA	IGV	LAAAI	PA	QY	QNY	VT	RS	EV	TS	GLAT	V	KAL	IT	PA	EL	HY	Q	E	NG	IAAAT	...	72																																			
NTDB	id	1038	HON27	RS01510	WP	000993725.1	MNA	QK	GFTL	IELM	IVVA	IG	LAAAI	PA	QY	QNY	I	AK	SQ	VNS	G	FS	E	ISS	I	K	TG	Y	E	NA	VNE	.G	AV	PTKLSDV..	69																																	
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	MKA	QK	GFTL	IELM	IVVA	IG	LAAAI	PA	QY	QNY	V	AR	S	E	G	AS	AL	AS	VN	PL	K	T	V	E	E	AL	SR	.G	WSVKS	GTG	TED	71																														
NTDB	id	193345	XJ27	RS21970	WP	074058081.1	MKK	Q	GFTL	IELM	IVVA	IG	LAAAI	PA	QY	QNY	V	V	K	S	QA	AS	AL	AE	I	T	P	G	K	V	G	F	E	QA	TNE	.G	K	T	P	STAAAD..	69																											
NTDB	id	1197	PSJM300	03940	AFN	76866.1	MKA	Q	GFTL	IELM	IVVA	IG	LAAAI	PA	QY	QNY	T	V	R	S	N	A	A	A	LA	E	I	T	P	G	K	I	G	F	E	QA	TNE	.G	K	T	P	SLT	STD..	71																								
NTDB	id	1204	PSJM300	03935	AFN	76865.1	MKPVKSS	C	R	F	S	L	I	E	L	M	I	V	A	I	G	L	A	A	I	A	L	P	A	Y	Q	N	Y	T	V	R	S	T	A	S	A	L	A	E	I	T	P	A	K	A	F	E	Q	A	I	S	E	G	H	T	P	S	L	V	S	S	L..	73
NTDB	id	1119	NGFG	RS11465	WP	017147169.1	MNTL	QK	GFTL	IELM	IV	IG	LAAAV	PA	QY	QNY	T	A	R	A	Q	V	S	E	A	I	L	L	A	E	G	Q	S	A	V	T	E	Y	L	NH	G	K	W	P	E	N	N	T	S	A	G	V	73															
NTDB	id	1424	RS	RS02795	WP	011000517.1	MKSMRHLNKR	V	QK	GFTL	IELM	IV	IG	LAAAI	PA	QY	QNY	T	V	R	A	R	V	T	E	G	L	S	L	A	A	Q	K	A	L	V	S	E	N	A	A	N	A	Q	S	D	L	S	V.....	74																		
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	MNA	QK	GFTL	IELM	IV	IG	LAAAI	PA	QY	QNY	T	V	R	A	R	V	T	E	G	L	T	A	A	S	S	M	K	T	T	V	S	E	N	I	L	N	A	G	A	L	V	A	G	T	P	S	T	A	G	72												
NTDB	id	1274	LPP	RS09530	WP	011214168.1	MR	QK	GFTL	IELM	IV	IG	LAAAI	PA	QY	QNY	T	I	R	A	R	V	T	E	G	L	T	L	A	D	S	A	K	L	A	V	S	E	T	A	I	T	N	N	A	L	P	A	T	Q	A	A	T	G	Y	71												
NTDB	id	1258	GC085	RS09745	WP	014844212.1	MR	QK	GFTL	IELM	IV	IG	LAAAI	PA	QY	QNY	T	I	R	A	R	V	T	E	G	L	T	L	A	D	S	A	K	L	A	V	S	E	T	A	I	T	N	N	A	L	P	A	T	Q	A	A																

NTDB	id	1184	GTF74	RS02335	WP	000649326.1	GFTRL...CTV.....EDMGDGKIVIAPTASGALGGTIKYTF.DAG...VVSSSKIQLARD.....ANG	129
NTDB	id	1167	A1552VC	RS11065	WP	000649326.1	GFTRL...CTV.....EDMGDGKIVIAPTASGALGGTIKYTF.DAG...VVSSSKIQLARD.....ANG	129
NTDB	id	1160	ABDM36	RS02330	WP	000649326.1	GFTRL...CTV.....EDMGDGKIVIAPTASGALGGTIKYTF.DAG...VVSSSKIQLARD.....ANG	129
NTDB	id	1292	VP	RS12235	WP	005479693.1	LAQICVD....VAANDLGATDS.....ALAGGSPTLTF.TFDADSSIGILFTTRD.....AAT	122
NTDB	id	1038	HON27	RS01510	WP	000993725.1	GFT.....AAITSSVCATYSIDAF.TETDGAOKITCTL.KG..NPKIATIKVELTRS.....TDG	119
NTDB	id	1192	PAKAF	RS23870	WP	024947914.1	ATKKEVPLCVA....ADANKLGTIALKPDP.ADGTAD.ITLTFT.MGGAGPKNKGIITLTRT.....AADG	131
NTDB	id	193345	XJ27	RS21970	WP	074058081.1	AGYICVG....GTTS.YCTVTV.....TA...TTIVCAT.RGGNATKFNGKNLTWTRD.....AATG	117
NTDB	id	1197	PSJM300	03940	AFN	76866.1	EGYICIT.....DSTS.YCDVDL.....DTAADGHIECTA.KGGNAGKFKDKITITLNRT.....ADG	121
NTDB	id	1204	PSJM300	03935	AFN	76865.1	PGFICIG....ASTN.YCTVTL.....IATATGSITCTT.QNGMPDRFNCKTITART.....TDG	123
NTDB	id	1119	NFGF	RS11465	WP	017147169.1	AS.....PPTDIKGKYVK.....EVEVKNGVVTATMLSSGVNNIEIKKKLSL.....WGRRENCVS	124
NTDB	id	1424	RS	RS02795	WP	011000517.1	GSSVF...TPTKNVANLTLIA....GTCTVPQGQITVITYT.....TAAGGGTLALVPTAAGTALPVSSAPSGPI	134
NTDB	id	1002	ACIAD	RS15100	WP	004923779.1	SS....CVGVQEISASNATTNVATA..T...CGASSAQIIIVTMDT....TKAKGANITILTPT.....YASCAY	128
NTDB	id	1274	LPP	RS09530	WP	011214168.1	V.....SPAATPNVASI.A....IGA..NGVITITY.T...AAAGGGTIVMTPTL.....QANGDV	116
NTDB	id	1258	GC085	RS09745	WP	014844212.1	V.....SPAATPNVQSII.A....IGA..NGVITITY.T...AAAGGGTIVIMTPTL.....QANGDV	116
consensus							* * * * * * ** *	

NTDB id 1184	GTF74 RS02335 WP 000649326.1	LWTCSTT.....VTSEIAPKGCTAGATIN.....	153
NTDB id 1167	A1552VC RS11065 WP 000649326.1	LWTCSTT.....VTSEIAPKGCTAGATIN.....	153
NTDB id 1160	ABDM36 RS02330 WP 000649326.1	LWTCSTT.....VTSEIAPKGCTAGATIN.....	153
NTDB id 1292	VP RS12235 WP 005479693.1	GWSCCLPT.....APAIA.VDGC.....	139
NTDB id 1038	HON27 RS01510 WP 000993725.1	AWTCVSD.....VPTFFLPKGC TAGTPTEGAITSL	149
NTDB id 1192	PAKAF RS23870 WP 024947914.1	LWKCTSD.....QDEQFIPKGC SK.....	150
NTDB id 193345	XJ27 RS21970 WP 074058081.1	LWSCGSD.....LDAKYKPGKCT.....	135
NTDB id 1197	PSJM300 03940 AFN76866.1	EWSCAST.....LDAKYKPGKCS.....	139
NTDB id 1204	PSJM300 03935 AFN76865.1	LWDCTSD.....LDSRYKPGKCL.....	141
NTDB id 1119	NGFG RS11465 WP 017147169.1	KWFEGGPVTRADDDTVADAKDGKEIDTKHLPSTCRDKASDAK.....	166
NTDB id 1424	RS RS02795 WP 011000517.1	MWTCYAQNKAQAASSVA.PSGTMSLA AKYAPAE CR.....	168
NTDB id 1002	ACIAD RS15100 WP 004923779.1	TWKCTTT.....S.DKKYVPSEC RG.....	147
NTDB id 1274	LPP RS09530 WP 011214168.1	TWICTGG.....TL LAKYRPASC RP.....	136
NTDB id 1258	GC085 RS09745 WP 014844212.1	TWICTGG.....TL LAKYRPASC RP.....	136
consensus		! * ! * * * * * * * ! * *	

 non conserved
 similar
 $\geq 50\%$ conserved