

NTDB id 1402	DSB67 RS12670 WP 010643257.1	MKTIA PQ LKN YRWKGINSS.GKK TSG NVL AMTEIEV RER LDA QH IK I KKL KKG SIFITK.	59
NTDB id 1169	A1552VC RS11075 WP 000648511.1	MKATQ TLPLKN YRWKGINSN.GKK VSC QMLAISE IEVRDKL KDQH IQIKKL KKG SVS ILAR.	60
NTDB id 1252	GC085 RS07730 WP 011213805.1	MDKN SPPLTFHYQGINKA.GQKMEGDIQARS LAI AKADLRKQGI VTNKVVKRKPLFDR.	59
NTDB id 1198	PSJM300 03950 AFN76868.1	MAQLAIKNSVF TWEGLD RK.GAKIKGELSGVPALVA KVLRKQGINPQKVRKKSILFS..	58
NTDB id 1016	ACIAD RS01680 WP 004920476.1	MAAAKKTQVM PVFAYEGVD RK.GIKLKGELPARNMALAKVT LRKQGITRTIREKRKNIFEGL	61
NTDB id 1059	ABD1 RS01610 WP 000279215.1	MAVKKAQMMP TFAYEGVD RK.GVKIKGELPAKNMALAKVT LRKQGVTVRNIREKRKNILEGL	61
NTDB id 233087	CDC59 RS03220 WP 064044961.1	MATRAPTANRSAAA SARKTASTKAPTQYLF EWEGKD RK.GKAFK GEMRAENITEVNAV LRKQGLSITKSKRRRAA.....	74
NTDB id 1112	NGFG RS09215 WP 003689811.1	MAKNGGFS LFAKKEKRF L.FEGRHSASD KLNVGEVS AFTEEEAR KKLA KR GIR PLQITRVKTS.....	62
NTDB id 1113	AAA85695.1 219..1451()	MAKNGGFS LFAKKEKRF L.FEGRHSASD KLNVGEVS AFTEEEAR KKLA KR GIR PLQITRVKTS.....	62
consensus		* * * * *	

NTDB	id 1402	DSB67	RS12670	WP	010643257.1	IS	HRV	KGK	DIT	IF	TRQ	LAT	MT	GV	PI	IV	QAL	KLV	SEN	HH	KA	EM	KS	SIL	MS	V	TR	VE	AG	TP	MS	K	AM	RT	AS	TH	FD	PL	Y	T	DL	IA	139																																								
NTDB	id 1169	A1552VC	RS11075	WP	000648511.1	LT	HRV	WKS	KD	IT	IL	TR	QL	AT	MT	TT	GV	PI	IV	QAL	KLV	GD	NH	R	KA	EM	KS	SIL	AQ	IT	KS	VE	AG	TP	LS	K	AM	RT	AS	AH	FD	T	LY	VD	LV	140																																					
NTDB	id 1252	GC085	RS07730	WP	011213805.1	KN	KKI	TQ	AD	IT	V	SR	QL	AT	MT	ES	GI	PL	VQ	AF	D	IV	AK	G	QS	N	R	L	K	D	L	I	ET	IK	H	D	I	ET	GL	T	LA	ES	L	I	K	H	P	L	Y	F	N	L	FC	N	LV	139																											
NTDB	id 1198	PSJ300	03950	AFN	76868.1	AG	KKI	KP	M	D	I	AL	F	TR	Q	M	T	M	K	A	G	V	P	L	Q	S	F	D	I	GE	G	F	D	N	P	N	M	R	K	L	V	D	D	L	K	Q	E	V	A	G	N	S	F	A	S	SL	R	K	K	P	Q	Y	F	D	L	Y	C	N	L	V	138												
NTDB	id 1016	ACIAD	RS01680	WP	004920476.1	LK	KKV	KP	L	D	I	AL	F	TR	Q	L	A	T	M	M	K	A	G	V	P	L	V	Q	A	F	E	I	VA	E	G	L	N	P	A	M	R	D	V	V	L	G	K	N	E	V	E	G	N	T	F	A	G	A	L	R	K	Y	P	Q	Y	F	D	N	L	FC	S	L	I	E	141								
NTDB	id 1059	ABD1	RS01610	WP	000279215.1	FK	KKV	V	T	L	D	I	AL	F	TR	Q	L	A	T	M	M	K	A	G	V	P	L	V	Q	G	F	E	I	VA	E	G	L	N	P	A	M	R	E	V	V	L	G	I	K	G	E	V	E	G	G	S	T	F	A	S	A	L	R	K	Y	P	Q	H	F	D	N	L	FC	S	L	V	E	141					
NTDB	id 233087	CDC59	RS03220	WP	064044961.1	RG	KKI	T	PK	D	V	A	Y	F	TR	Q	L	S	T	M	L	K	A	G	V	P	L	Q	S	V	D	I	A	R	G	H	A	N	P	N	F	T	Q	L	L	T	E	I	R	V	D	I	E	S	G	S	S	M	A	Q	A	F	R	R	H	P	K	Y	F	D	S	L	Y	C	N	L	I	D	154				
NTDB	id 1112	NGFG	RS09215	WP	003689811.1	SK	R	K	I	T	Q	E	D	I	V	F	TR	Q	L	S	T	M	L	K	A	G	L	P	L	M	Q	A	F	E	I	V	A	R	G	H	G	N	P	S	M	T	E	M	L	M	E	I	R	G	Q	V	E	Q	G	S	S	L	S	R	A	F	S	N	H	P	K	Y	F	D	R	F	Y	C	N	L	V	A	142
NTDB	id 1113	AAA85695.1	219..1451()			SK	R	K	I	T	Q	E	D	I	V	F	TR	Q	L	S	T	M	L	N	A	G	L	P	L	M	Q	A	F	E	I	V	A	R	G	H	G	N	P	S	M	T	E	M	L	M	E	I	R	G	Q	V																											

NTDB	id	1402	DSB67	RS12670	WP	010643257.1	T	G	E	Q	S	G	N	L	S	Q	V	F	E	R	L	A	T	Y	E	K	S	E	Q	L	R	A	K	V	I	K	A	L	I	P	A	M	V	V	L	V	A	L	G	V	S	Y	L	M	L	T	R	V	I	P	E	F	E	K	M	F	T	G	F	G	A	D	L	P	A	F	T	Q	M	V	N	L	S		219	
NTDB	id	1169	A1552VC	RS11075	WP	000648511.1	T	G	E	M	S	G	N	L	P	E	V	F	E	R	L	A	T	Y	E	K	S	E	Q	L	R	A	K	V	I	K	A	L	I	P	S	M	V	V	L	V	A	L	G	V	S	Y	L	M	L	T	M	V	I	P	E	F	E	S	M	F	K	G	F	G	A	E	L	P	W	F	T	Q	Q	V	L	K	L	S		220
NTDB	id	1252	GC085	RS07730	WP	011213805.1	A	G	E	K	S	G	S	L	D	I	M	L	D	K	V	A	T	Y	E	K	E	I	E	I	K	K	K	K	A	L	T	Y	P	I	A	V	M	V	A	L	L	T	A	G	L	L	I	Y	V	V	P	Q	F	E	S	L	F	K	G	F	G	A	D	L	P	A	M	T	R	A	V	I	T	S		219				
NTDB	id	1198	PSJM300	03950	AFN	76868.1	S	G	E	Q	S	G	S	L	E	T	L	D	R	V	A	T	Y	E	K	E	T	E	A	L	K	I	K	K	A	M	N	P	I	A	V	L	V	A	V	I	T	A	L	L	I	K	V	V	P	Q	F	E	S	D	V	F	A	N	G	A	E	L	P	A	F	T	L	M	V	I	G	L	S		218					
NTDB	id	1016	ACIAD	RS01680	WP	004920476.1	S	G	E	Q	S	G	S	L	E	T	L	D	R	V	A	T	Y	E	K	E	S	E	L	L	K	I	K	K	A	M	K	Y	P	A	T	V	I	V	A	I	V	T	I	I	L	M	V	K	V	P	V	F	K	D	L	F	T	S	F	G	A	D	L	P	A	F	T	Q	L	V	N	M	S		221					
NTDB	id	1059	ABD1	RS01610	WP	000279215.1	S	G	E	Q	S	G	A	L	E	T	M	L	D	R	V	A	T	Y	E	K	E	S	E	L	L	K	I	K	K	A	M	K	Y	P	A	T	V	I	V	A	I	V	T	I	I	L	M	V	K	V	P	V	F	Q	D	L	F	A	S	F	G	A	D	L	P	A	F	T	Q	M	V	N	M	S		221				
NTDB	id	233087	CDC59	RS03220	WP	064044961.1	A	G	E	Q	G	G	I	D	A	L	L	E	R	L	S	M	Y	M	E	K	S	I	A	L	K	A	Q	I	K	S	A	M	I	Y	P	I	S	V	L	T	V	A	F	L	T	V	T	V	L	M	I	F	V	V	P	A	F	K	N	V	F	A	S	F	G	A	T	L	P	A	P	T	L	V	M	N	I	S		234
NTDB	id	1112	NGFG	RS09215	WP	003689811.1	A	G	E	T	G	C	V	L	S	L	D	K	L	A	T	Y	E	K	E	T	Q	A	I	R	K	K	V	K	T	A	L	T	Y	P	V	S	V	I	A	V	A	I	G	L	V	F	M	M	I	F	V	L	P	A	F	K	E	V	Y	A	N	M	G	A	E	L	P	P	L	T	Q	T	V	M	D	M	S		222	
NTDB	id	1113	AAA85695.1	219..1451()			A	G	E	T	G	C	V	L	S	L	D	K	L	A	T	Y	E	K	E	T	Q	A	I	R	K	K	V	K	T	A	L	T	Y	P	V	S	V	I	A	V	A	I	G	L	V	F	M	M	I	F	V	L	P	A	F	K	E	V	Y	A	N	M	G																	

NTDB	id	1402	DSB67	RS12670	WP	010643257.1	A	T	Q	N	G	P	F	I	G	L	S	F	V	S	L	I	S	G	K	I	M	S	Q	R	S	D	S	F	R	L	L	A	A	R	S	S	L	R	V	P	I	L	G	P	V	L	S	K	A	A	I	A	K	F	S	R	T	L	A	T	S	F	S	A	G	I	P	I	L	T	A	L	K	T	T	S	K		299		
NTDB	id	1169	A1552VC	RS11075	WP	000648511.1	H	W	V	C	A	Y	S	L	W	A	F	I	A	A	A	I	F	G	L	K	A	L	K	N	S	F	Q	I	R	L	K	T	S	R	L	G	L	K	F	P	I	I	G	N	V	L	A	K	A	S	I	A	K	F	S	R	T	L	A	T	S	F	A	A	G	I	P	I	L	A	S	L	K	T	T	A	K		300		
NTDB	id	1252	GC085	RS07730	WP	011213805.1	E	F	M	Q	A	Y	W	Y	I	I	F	G	A	L	G	G	V	V	S	F	F	Y	A	K	N	S	L	E	F	A	Q	T	I	D	R	V	M	L	K	L	P	V	G	G	I	L	E	K	A	A	I	A	R	F	A	R	T	L	S	I	T	F	A	A	G	L	P	L	V	E	A	L	K	S	V	A	G		299		
NTDB	id	1198	PSJM300	03950	AFN	76868.1	E	A	L	Q	A	Y	W	V	V	V	L	A	G	F	V	C	A	A	F	K	A	H	T	R	S	E	K	F	R	N	W	F	D	R	L	M	L	K	V	P	V	G	D	I	L	Y	K	S	S	A	R	F	A	R	T	L	S	T	T	F	A	A	G	V	P	L	V	D	L	S	V	A	G		298						
NTDB	id	1016	ACIAD	RS01680	WP	004920476.1	N	W	M	Q	A	Y	W	I	L	I	I	V	G	A	A	I	A	G	L	E	A	R	K	R	S	K	F	R	D	Q	L	D	R	L	V	L	R	L	P	I	V	G	D	L	V	Y	K	A	I	A	R	Y	S	R	T	L	A	T	T	F	A	A	G	V	P	L	I	D	A	L	E	S	T	A	G		301				
NTDB	id	1059	ABD1	RS01610	WP	000279215.1	K	W	M	Q	E	Y	W	F	I	M	I	I	A	I	A	G	A	V	I	A	A	F	L	E	A	K	R	S	K	K	F	R	D	G	L	D	K	L	A	L	K	L	P	I	F	G	D	L	V	Y	K	A	I	A	R	Y	S	R	T	L	A	T	T	F	A	A	G	V	P	L	I	D	A	L	E	S	T	A	G		301
NTDB	id	233087	CDC59	RS03220	WP	064044961.1	D	E	F	V	K	W	Y	I	I	I	F	A	P	A	V	C	I	F	L	Y	A	R	A	F	K	R	S	E	N	V	Q	R	N	T	H	K	A	I	L	K	M	P	I	F	G	S	I	I	R	K	A	T	I	A	R	W	T	R	T	L	A	T	M	F	S	A	G	T	P	L	V	E	S	M	E	S	V	A	G		314
NTDB	id	1112	NGFG	RS09215	WP	003689811.1	D	F	F	V	S	Y	G	W	M	V	L	I	A	L	G	F	A	I	Y	G	F	L	K	L	K	A	R	S	I	K	I	Q	R	R	M	D	A	I	L	L	R	M	P	I	F	G	D	I	V	R	K	G	T	I	A	R	W	G	R	T	T	A	T	L	F	A	A	G	V	P	L	V	D	L	S	T	A	G		302	
NTDB	id	1113	AAA85695.1	219..1451()			D	F	F	V	S	Y	G	W	M	V	L	I	A	L	G	F	A	I	Y	R	F	L	K	L	K	A	R	S	I	K	I	Q	R	R	M	D	A	I	L	L	R	M	P	I	F	G	D	I	V	R	K																														

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NTDB id 1169 A1552VC RS11075 WP 000648511.1
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NTDB id 233087 CDC59 RS03220 WP 064044961.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451( )
consensus

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