

NTDB id 1402 DSB67 RS12670 WP 010643257.1	MKTIA PQ LKN YRWKGIN.SSGKKTS GNVLAMTEIEV RERLDAQH IKIKKLKKGSI SFITK.	59
NTDB id 1169 A1552VC RS11075 WP 000648511.1	MKATQTLP LKN YRWKGIN.SNGKKV SGM LAISEI EV RD KL KDQHI QIKKLKKG SVS ILAR.	60
NTDB id 1252 GC085 RS07730 WP 011213805.1	MDKN SPPLT FHYQG IN.KAGQ KMEGDI QARS LA IAKADLRKQGIVTNKV VKKRKPLFDR.	59
NTDB id 1198 PSJM300 03950 AFN76868.1	MAQKA IKN SVFTW EGLD.RQGA KI KGEL SGVPAL VKAQ LRKQGINPQ KVRKKSIS LFS..	58
NTDB id 1016 ACIAD RS01680 WP 004920476.1	MAA KTKVMP VFAYEGVD.RKG IKLKGEL PARNMAL AKVT LRKQGIT RTIR IREKRKNIFEGL	61
NTDB id 1059 ABD1 RS01610 WP 000279215.1	MAVK KAQMPT FAYEGVD.RKG VKIKGEL PAKNMAL AKVT LRKQGV TVRN IREKRKNILEGL	61
NTDB id 143996 VZ52 RS05855 WP 063391959.1	MATRAPAA NRAAAA PARKTAKTKAPTQY LF EW EGKD.RKG KIFK GEMRAETITEVNAIL RKQGL SITKSKRRRAA.....	74
NTDB id 1112 NGFG RS09215 WP 003689811.1	MAKNGGFSLFAKKEKRFI...FEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVKTS.....	62
NTDB id 1113 AAA85695.1 219..1451()	MAKNGGFSLFAKKEKRFI...FEGRHSASDKLVNGEVSAFTEEEARKKLAKRGIRPLQITRVKTS.....	62
consensus	* * * * *	

NTDB	id	1402	DSB67	RS12670	WP	010643257.1	IS	HRV	KGK	DIT	IF	TRQ	LAT	ML	MT	GV	PI	VQ	AL	KL	LV	SE	NH	KA	EM	KS	SIL	MS	V	TR	AE	AG	TP	MS	KA	MR	TA	ST	HF	DP	LY	TD	LI	A	139																																			
NTDB	id	1169	A1552VC	RS11075	WP	000648511.1	LT	HRV	KS	DIT	IL	TR	QL	AT	ML	TT	GV	PI	VQ	AL	KL	LV	GD	NH	RA	EM	KS	SIL	LA	Q	IT	KS	VE	AG	TP	LS	KA	MR	TA	SA	HF	DT	LY	VD	LV	E	140																																	
NTDB	id	1252	GC085	RS07730	WP	011213805.1	KN	KK	IT	QAD	IT	V	SR	QL	AT	MI	ES	GI	PL	VQ	AF	DI	VA	K	GS	N	K	RL	KD	LI	ET	IK	H	DI	ET	GL	TL	AE	SL	IK	HP	LY	FN	EL	FC	N	LV	D	139																															
NTDB	id	1198	PSJM300	03950	AFN	76868.1	AG	KK	K	PM	D	IA	L	F	TR	QM	AT	M	K	A	G	V	L	Q	S	F	D	I	GE	G	F	D	N	P	N	M	R	K	L	V	DD	L	K	Q	E	VA	AG	SF	AS	L	R	KK	P	Q	Y	F	DN	L	VC	N	LV	D	138																	
NTDB	id	1016	ACIAD	RS01680	WP	004920476.1	LK	KK	V	K	P	L	D	IA	L	F	TR	Q	L	AT	M	K	A	G	V	P	L	Q	S	F	D	I	GE	G	F	D	N	P	A	M	R	D	V	V	L	G	L	K	N	E	V	E	G	N	T	F	A	G	L	R	K	Y	P	Q	Y	F	DN	L	FC	S	L	I	E	141						
NTDB	id	1059	ABD1	RS01610	WP	000279215.1	FK	KK	V	T	L	D	IT	IF	TR	Q	L	AT	M	K	A	G	V	P	L	Q	S	F	D	I	GE	G	F	D	N	P	A	M	R	E	V	V	L	G	IK	GE	VE	GG	ST	F	AS	AL	R	K	Y	P	Q	H	F	DN	L	FC	S	L	VE	141														
NTDB	id	143996	VZ52	RS05855	WP	063391959.1	RG	KK	IT	PK	D	VA	Y	F	TR	Q	L	ST	M	L	K	A	G	V	P	L	Q	S	I	D	I	I	A	R	G	H	A	N	P	N	F	T	Q	L	L	T	E	I	R	M	D	I	ES	G	S	S	MA	Q	A	F	R	R	H	P	Q	Y	F	DN	L	VC	N	L	I	D	154					
NTDB	id	1112	NGFG	RS09215	WP	003689811.1	SK	R	K	IT	Q	E	D	IT	V	F	TR	Q	L	ST	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	VE	Q	G	S	S	L	S	R	A	F	S	N	H	P	K	Y	F	D	R	F	Y	C	N	L	VA	142
NTDB	id	1113	AAA85695.1	219..1451()			SK	R	K	IT	Q	E	D	IT	V	F	TR	Q	L	ST	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	VE	Q	G	S	S	L	S	R	A	F	S	N	H	P	K	Y	F	D	R	F	Y	C	N	L	VA	142

[illegible]

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	Q	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	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	I	G	P	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	W	Y	V	V	V	L	A	G	F	V	C	A	A	F	K	Q	A	H	T	R	S	E	K	F	R	N	W	F	D	R	L	M	L	K	V	P	V	V	G	D	I	L	Y	K	S	S	V	A	R	F	A	R	T	L	S	T	T	F	A	A	G	V	P	L	D	V	L	D	S	V	A	G	298	
NTDB	id	1016	ACIAD	RS01680	WP	004920476.1	N	W	M	Q	Y	W	F	I	L	I	V	I	G	A	A	I	A	C	L	E	F	K	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	I	A	R	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	A	I	G	A	V	I	A	A	F	L	E	A	K	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	I	A	R	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	143996	VZ52	RS05855	WP	063391959.1	D	E	F	V	Q	W	Y	F	I	V	F	V	P	I	I	C	I	I	A	F	T	R	A	F	K	R	S	E	N	V	Q	R	T	T	H	R	W	I	L	K	M	P	I	F	G	D	I	R	K	A	T	I	A	R	W	T	R	T	L	A	T	M	F	A	A	G	T	P	L	V	E	S	M	E	S	V	A	G	314
NTDB	id	1112	NGFG	RS09215	WP	003689811.1	D	E	F	V	S	Y	G	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	A	T	L	F	A	A	G	V	P	L	D	V	L	D	S	T	A	G	302	
NTDB	id	1113	AAA85695.1	219..1451()			D	E	F	V	S	Y	G	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																																								

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NTDB id 143996 VZ52 RS05855 WP 063391959.1
NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451( )
consensus

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logo

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NTDB id 1402 DSB67 RS12670 WP 010643257.1
NTDB id 1169 A1552VC RS11075 WP 000648511.1
NTDB id 1252 GC085 RS07730 WP 011213805.1
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NTDB id 1112 NGFG RS09215 WP 003689811.1
NTDB id 1113 AAA85695.1 219..1451( )
consensus

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[illegible][illegible]

- ☐ non conserved
- ☒ similar
- ☒ $\geq 50\%$ conserved