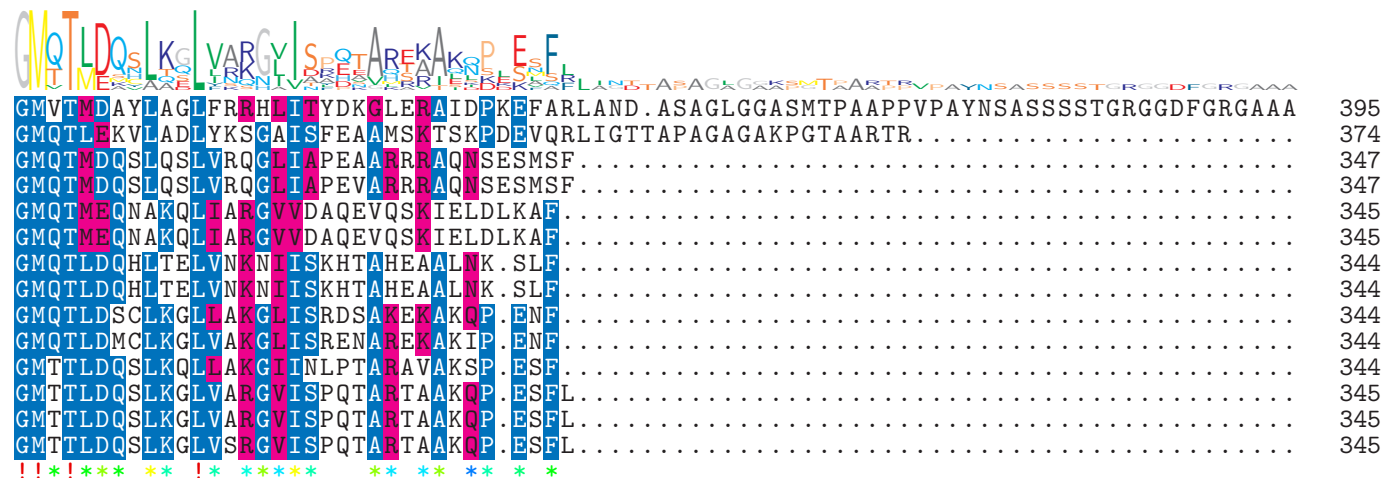


[illegible]

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NTDB	id	55017	ANACY	RS21505	WP	015216328.1	G	L	A	R	F	R	V	N	V	Y	K	E	R	G	A	Y	A	A	C	L	R	A	L	S	S	K	I	P	N	F	E	K	L	G	L	P	D	V	V	R	E	M	S	E	K	P	R	G	L	I	L	V	T	G	P	T	G	S	G	K	T	T	T	L	A	A	M	I	D	L	I	N	R	T	R	A	E	H	I	L	158
NTDB	id	1116	NGFG	RS10615	WP	003690200.1	N	V	A	R	F	R	V	N	A	F	N	T	G	R	C	P	A	A	V	F	R	T	I	P	S	T	V	L	S	L	E	E	L	K	A	P	S	I	F	Q	K	I	A	E	S	P	R	G	M	V	L	V	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	I	N	Y	I	N	E	T	Q	P	A	H	I	L	156
NTDB	id	1086	NMV	RS00245	WP	002218487.1	N	V	A	R	F	R	V	N	A	F	N	T	G	R	C	P	A	A	V	F	R	T	I	P	S	T	V	L	S	L	E	E	L	K	A	P	S	I	F	Q	K	I	A	E	S	P	R	G	M	V	L	V	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	I	N	Y	I	N	E	T	Q	P	A	H	I	L	156
NTDB	id	1185	GTF74	RS11940	WP	000350195.1	N	V	G	R	F	R	V	N	A	F	H	Q	A	R	G	C	S	A	V	F	R	T	I	P	T	V	I	P	T	L	E	Q	L	D	A	P	E	I	F	S	K	I	A	N	Y	E	K	G	L	V	L	V	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	V	N	Y	N	A	H	H	N	K	H	I	L	156	
NTDB	id	1176	A1552VC	RS01160	WP	000350195.1	N	V	G	R	F	R	V	N	A	F	H	Q	A	R	G	C	S	A	V	F	R	T	I	P	T	V	I	P	T	L	E	Q	L	D	A	P	E	I	F	S	K	I	A	N	Y	E	K	G	L	V	L	V	T	G	P	T	G	S	G	K	S	T	T	L	A	A	M	V	N	Y	N	A	H	H	N	K	H	I	L	156	
NTDB	id	1283	ACE17W	RS02630	WP	010947729.1	N	L	A	R	F	R	V	N	A	F	N	Q	S	R	G	A	A	A	V	F	R	T	I	P	S	E	I	L	S	M	E	D	L	G	L	P	P	I	F	K	E	M	A	S	F	S	R	G	L	V	L	V	T	G	P	T	G	S	G	K	S	T	T	L	A	A	V	I	D	Y	I	N	S	S	R	Y	E	H	I	L	156
NTDB	id	1259	GC085	RS10305	WP	010947729.1	N	L	A	R	F	R	V	N	A	F	N	Q	S	R	G	A	A	A	V	F	R	T	I	P	S	E	I	L	S	M	E	D	L	G	L	P	P	I	F	K	E	M	A	S	F	S	R	G	L	V	L	V	T	G	P	T	G	S	G	K	S	T	T	L	A	A	V	I	D	Y	I	N	S	S	R	Y	E	H	I	L	156
NTDB	id	1202	PSJM300	01600	AFN	76400.1	G	V	A	R	F	R	V	N	A	F	N	Q	N	R	G	A	A	V	F	R	T	I	P	S	K	V	L	T	M	E	D	L	G	M	G	E	V	F	R	K	I	T																																							

NTDB	id	1307	DR	RS10055	WP	010888596.1	T	T	E	D	P	I	E	F	V	H	E	P	K	K	A	S	T	I	N	Q	R	E	V	H	G	S	D	T	L	S	F	D	D	A	L	R	A	A	L	R	Q	A	P	D	V	I	L	V	G	E	M	R	D	Y	E	T	I	K	A	A	V	T	A	A	E	T	G	H	L	V	M	G	T	L	H	T	N	S	A	P	E	S		240
NTDB	id	55017	ANACY	RS21505	WP	015216328.1	T	V	E	D	P	V	E	F	V	Y	E	P	V	K	S	L	V	H	Q	R	Q	L	G	E	D	T	K	S	F	A	N	A	L	K	A	A	L	R	E	D	P	D	I	I	L	V	G	E	M	R	D	L	E	T	I	S	L	A	I	S	A	A	E	T	G	H	L	V	F	G	T	L	H	T	S	S	A	A	Q	T		238		
NTDB	id	1116	NGFG	RS10615	WP	003690200.1	T	T	E	D	P	I	E	F	V	H	Q	S	K	S	L	I	N	Q	R	E	L	H	Q	H	T	L	S	F	A	N	A	L	S	S	A	L	R	E	D	P	D	V	I	L	V	G	E	M	R	D	P	E	T	I	G	L	A	L	T	A	A	E	T	G	H	L	V	F	G	T	L	H	T	T	G	A	A	K	T		236			
NTDB	id	1086	NMV	RS00245	WP	002218487.1	T	T	E	D	P	I	E	F	V	H	Q	S	K	S	L	I	N	Q	R	E	L	H	Q	H	T	L	S	F	A	N	A	L	R	S	A	L	R	E	D	P	D	V	I	L	V	G	E	M	R	D	P	E	T	I	G	L	A	L	T	A	A	E	T	G	H	L	V	F	G	T	L	H	T	T	G	A	A	K	T		236			
NTDB	id	1185	GTf74	RS11940	WP	000350195.1	T	T	E	D	P	I	E	F	V	H	S	N	N	K	C	L	I	N	Q	R	E	V	H	R	D	T	H	S	F	K	N	A	L	R	S	A	L	R	E	D	P	D	V	I	L	V	G	E	L	R	D	Q	E	T	I	S	L	A	L	T	A	A	E	T	G	H	L	V	F	G	T	L	H	T	S	S	A	A	K	T		236		
NTDB	id	1176	A1552VC	RS01160	WP	000350195.1	T	T	E	D	P	I	E	F	V	H	S	N	N	K	C	L	I	N	Q	R	E	V	H	R	D	T	H	S	F	K	N	A	L	R	S	A	L	R	E	D	P	D	V	I	L	V	G	E	L	R	D	Q	E	T	I	S	L	A	L	T	A	A	E	T	G	H	L	V	F	G	T	L	H	T	S	S	A	A	K	T		236		
NTDB	id	1283	ACE17W	RS02630	WP	010947729.1	T	V	E	D	P	I	E	F	V	H	Q	S	K	K	C	L	V	I	N	Q	R	E	V	H	K	D	T	L	S	F	N	A	L	R	S	A	L	R	E	D	P	D	I	I	L	V	G	E	L	R	D	L	E	T	I	R	L	A	M	T	A	A	E	T	G	H	L	V	F	G	T	L	H	T	N	S	A	T	K	T		236		
NTDB	id	1259	GC085	RS10305	WP	010947729.1	T	V	E	D	P	I	E	F	V	H	Q	S	K	K	C	L	V	I	N	Q	R	E	V	H	K	D	T	L	S	F	N	A	L	R	S	A	L	R	E	D	P	D	I	I	L	V	G	E	L	R	D	L	E	T	I	R	L	A	M	T	A	A	E	T	G	H	L	V	F	G	T	L	H	T	N	S	A	T	K	T		236		
NTDB	id	1202	PSJM300	01600	AFN	76400.1	T	T	E	D	P	I	E	F	V	H	E	P	K	K	C	L	V	I	N	Q	R	E	V	H	R	D	T	L	G	F	S</																																																					

NTDB id 1307 DR RS10055 WP 010888596.1
NTDB id 55017 ANACY RS21505 WP 015216328.1
NTDB id 1116 NGFG RS10615 WP 003690200.1
NTDB id 1086 NMV RS00245 WP 002218487.1
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NTDB id 1060 ABD1 RS04380 WP 000355489.1
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consensus



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NTDB id 1307 DR RS10055 WP 010888596.1
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NTDB	id	1081	FDQ49	RS05335	WP	006581387.1		345
consensus								

 non conserved
 similar
 $\geq 50\%$ conserved