

NTDB id	617	LCA RS06480 WP 011375001.1	.MSTEEKLTTLLKHCAKQRVQDLYFTPTIGGWRLTERRQSGLVTNQELDKPTGTRYLNRLKYMGMDISETRRAQTGRSELQLAD	84
NTDB id	586	KW2 RS10855 WP 011836048.1	..MVQKKAKELIQKAIEMEASDIYLIASGNLYKIYIRQQLRRTLIEEVNQEIGLALLTHFKFLAGMNTGERRRVQLGACWVELHG	83
NTDB id	584	DJL51 RS00890 WP 019777327.1	MVEVQELQGELIRQAEEEAQDDIYLPLPKPAVKIKYILRFGEKRHLITQCPPEQAAGLISHFKFLAGMNVGCKRRAQLGCADYAFAA	83
NTDB id	385	SMU RS09035 WP 002263435.1	..MVQKLGRKIIAEAVQNKAQDIYIIPKKESEYELYMRIGNERRRIDVDYHHFMANLISHFKFVAGMNVGEKRRSQLGSCDYSYDE	83
NTDB id	394	FSA28 RS09405 WP 002291652.1	..MVQKLGRKIIAEAVQNKAQDIYIIPKKESEYELYMRIGNERRRIDVDYHHFMANLISHFKFVAGMNVGEKRRSQLGSCDYSYDE	83
NTDB id	94852	AN924 RS04605 WP 002936562.1	..MIQEKARKLIEKAVADRVS DIYLVPRGESYQVYHRIMDEREFVQDLAAE EETVA IISHFKFLAGL NVGEKRRSQ QGSCDYDYGS	83
NTDB id	429	SGO RS09420 WP 012130942.1	..MVQKIAQAIIVRKAKEECAQDIYIFVPKLD CYELYMRI GDERCFIQT YDF DQLAA VISHFKFL AGMNVGEKRR SQLGSCDYRYDD	83
NTDB id	500	S12261 RS00945 WP 000249545.1	..MVQEIAQEIIIRSARKKGAQDIYFVPKLDAYELHMRVGDERCKICGYDFEKF AAV ISHF K FVAGMNVGEKRRS QL GSCDY EYDQ	83
NTDB id	270	KZH43 RS09265 WP 000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKF AAV ISHF K FVAGMNVGEKRRS QL GSCDY AYDH	83
NTDB id	229	SPD RS09895 WP 000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKF AAV ISHF K FVAGMNVGEKRRS QL GSCDY AYDH	83
NTDB id	195	SPR RS09430 WP 000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKF AAV ISHF K FVAGMNVGEKRRS QL GSCDY AYDH	83
NTDB id	160	SP RS10380 WP 000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKF AAV ISHF K FVAGMNVGEKRRS QL GSCDY AYDH	83
consensus				
***** * * ! * ! * ! * ! * * * ! * ! * ! * ! * ! * ! * ! * ! *				

NTDB id	617	LCA	RS06480	WP	011375001.1	Q.TIY	LRL	ATV	GDF	FLNR	ESL	VIR	FII	YP	IG	AI	YH	CDD	Q	QIL	LAQ	L	TQMS	R	QS	GLI	L	FAG	P	T	G	S	G	K	T	S	L	Y	H	L	A	Q	S	M	S	A	K	M	V	V	A	I	E	D	168																															
NTDB id	586	KW2	RS10855	WP	011836048.1	SSAKR	LRL	STV	GDF	FEGN	ESL	VIR	LLH	D	K	Q	K	E	L	F	W	F	D	.	D	K	.	L	Q	D	F	R	C	K	R	G	L	Y	L	F	A	G	P	V	G	S	G	K	T	S	L	M	F	D	L	A	H	R	H	F	S	N	A	Q	V	I	T	I	E	D	165															
NTDB id	584	DLJ51	RS00890	WP	019777327.1	GETA	A	L	R	L	S	T	V	G	D	Y	R	G	E	S	L	V	I	R	L	L	F	D	R	K	R	E	L	K	F	W	F	D	.	G	N	A	L	L	P	K	I	G	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	L	M	H	L	A	Q	S	M	S	A	K	M	V	V	A	I	E	D	169				
NTDB id	385	SMU	RS09035	WP	002263435.1	GK	V	I	S	L	R	L	S	V	G	D	Y	R	G	E	S	L	V	I	R	L	L	F	S	G	R	H	D	L	K	F	W	F	N	.	S	M	D	L	I	N	E	I	K	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	L	M	Y	Q	L	V	K	L	R	F	E	T	K	Q	V	I	T	I	E	D	167	
NTDB id	394	FSA28	RS09405	WP	002291652.1	GK	V	I	S	L	R	L	S	V	G	D	Y	R	G	E	S	L	V	I	R	L	L	F	S	G	R	H	D	L	K	F	W	F	N	.	S	M	D	L	I	N	E	I	K	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	L	M	Y	Q	L	V	K	L	R	F	E	T	K	Q	V	I	T	I	E	D	167	
NTDB id	94852	AN924	RS04605	WP	002936562.1	G.EI	S	L	R	L	S	T	V	G	D	Y	R	G	K	E	S	L	V	I	R	L	L	Y	D	N	D	K	E	L	K	F	W	F	E	.	A	A	E	R	L	A	E	E	I	K	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	L	M	Y	H	L	A	R	L	K	F	P	D	K	Q	I	L	T	I	E	D	166
NTDB id	429	SGO	RS09420	WP	012130942.1	K.ET	S	I	R	L	S	T	V	G	D	Y	R	G	E	S	L	V	I	R	L	L	H	D	E	E	E	T	L	K	F	W	F	T	.	H	F	P	E	L	R	E	K	F	K	D	R	G	L	Y	L	F	S	G	P	V	G	S	G	K	T	L	M	H	Q	L	A	L	K	F	K	Q	V	M	S	I	E	D	166			
NTDB id	500	SM12261	RS00945	WP	000249545.1	K.MA	S	L	R	L	S	T	V	G	D	Y	R	G	H	E	S	L	V	I	R	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Q	Y	R	Q	R	G	L	Y	L	F	A	G	P	V	G	S	G	K	T	L	M	H	E	L	S	K	S	L	F	K	Q	V	M	S	I	E	D	166	
NTDB id	270	KZH43	RS09265	WP	000249564.1	K.IA	S	L	R	L	S	T	V	G	D	Y	R	G	H	E	S	L	V	I	R	L	L	H	D	E	E	Q	D	L	H	F	W	F	Q	.	D	I	E	E	L	G	K	Q	Y	R	Q	R	G	L	Y	L	F	A	G	P	V	G	S	G	K	T	L	M	H	E	L	S	K	S	L	F	K	Q	V	M	S	I	E	D	166	
NTDB id	229	SPD	RS09																																																																																			

NTDB id 617	LCA RS06480 WP 011375001.1	P	E	I	V	A	P	E	F	L	Q	L	Q	V	N	D	N	A	G	L	S	Y	A	E	L	L	K	I	S	L	R	L	R	P	D	T	L	I	I	G	E	I	R	D	L	E	T	A	Q	Y	V	V	S	A	A	L	S	G	H	L	V	L	S	T	I	H	A	R	S	T	Q	G	V	V	A	R	L	L	D	L	G	I	S	E	L	253
NTDB id 586	KW2 RS10855 WP 011836048.1	P	V	E	L	I	D	S	D	F	I	Q	L	Q	V	N	D	I	G	N	S	Y	D	E	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	Q	T	A	R	A	V	L	R	A	S	L	T	G	Y	T	V	F	S	T	I	H	A	S	V	K	G	V	V	Q	R	L	L	E	L	C	L	S	D	W	250			
NTDB id 584	DLJ51 RS00890 WP 019777327.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	S	I	G	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	R	E	T	A	Q	A	V	I	R	A	S	L	T	G	I	R	V	F	S	T	I	H	A	K	S	I	P	G	V	Y	A	R	M	L	E	L	G	V	S	D	254		
NTDB id 385	SMU RS09035 WP 002263435.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	K	E	T	A	R	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	I	H	A	K	S	I	P	G	V	Y	A	R	M	L	E	L	G	T	S	S	E	252	
NTDB id 394	FSA28 RS09405 WP 002291652.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	K	E	T	A	R	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	I	H	A	K	S	I	P	G	V	Y	A	R	M	L	E	L	G	T	S	S	E	252	
NTDB id 94852	AN924 RS04605 WP 002936562.1	P	V	E	I	K	Q	E	D	M	L	Q	L	Q	L	N	E	A	I	G	A	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	A	E	T	A	R	A	V	I	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	R	S	I	S	G	V	Y	A	R	M	L	E	L	G	V	S	P	E	251
NTDB id 429	SGO RS09420 WP 012130942.1	P	V	E	I	K	Q	E	D	M	L	Q	L	Q	L	N	E	T	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	P	G	V	Y	E	R	L	L	E	L	G	V	S	E	251	
NTDB id 500	SM12261 RS00945 WP 000249545.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	R	G	V	Y	E	R	L	L	E	L	G	V	S	E	251	
NTDB id 270	KZH43 RS09265 WP 000249564.1	P	V	E	I	K	Q	D	D	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S																																									

logo



☒ non conserved
☒ similar
☒ ≥ 50% conserved