

[illegible]

NTDB	id	1250	GC085	RS13065	WP	027219989.1	L	T	W	D	S	P	Y	P	A	L	K	E	I	A	D	P	P	F	I	L	Y	A	K	G	E	L	S	A	L	T	Q	P	S	L	A	I	V	G	S	R	N	A	S	V	T	G	N	E	N	A	R	A	F	S	R	E	I	S	R	H	G	V	S	I	V	S	G	L	A	L	G	I	D	A	H	A	H	L	G	C	L	E	G	163		
NTDB	id	599	KW2	RS05940	WP	021037268.1	F	S	I	L	D	D	L	Y	P	E	R	L	R	E	I	Y	N	P	P	V	L	I	F	Y	Q	G	N	I	D	L	L	K	N	P	K	L	A	F	V	G	S	R	L	A	G	Q	S	G	I	K	S	V	Q	K	I	V	T	E	L	N	Q	.	S	F	T	I	V	S	G	L	A	K	G	I	D	T	A	S	H	L	S	A	I	K	T	156
NTDB	id	525	SMSK321	RS06295	WP	000705298.1	F	S	I	L	D	D	C	Y	P	W	D	L	S	E	I	Y	D	A	P	V	L	L	F	Y	K	G	N	L	D	L	L	K	F	P	K	V	A	V	V	G	S	R	S	C	S	K	Q	G	A	K	S	V	E	K	I	I	Q	G	L	E	N	.	E	L	V	I	V	S	G	L	A	K	G	I	D	T	A	A	H	M	A	A	L	Q	N	157
NTDB	id	267	KZH43	RS05590	WP	000705306.1	F	S	I	L	D	D	C	Y	P	W	D	L	S	E	I	Y	D	A	P	V	L	L	F	Y	K	G	N	L	D	L	L	K	F	P	K	V	A	V	V	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	I	I	Q	G	L	E	N	.	E	L	V	I	V	S	G	L	A	K	G	I	D	T	A	A	H	M	A	A	L	Q	N	157
NTDB	id	226	SPD	RS05990	WP	000705306.1	F	S	I	L	D	D	C	Y	P	W	D	L	S	E	I	Y	D	A	P	V	L	L	F	Y	K	G	N	L	D	L	L	K	F	P	K	V	A	V	V	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	I	I	Q	G	L	E	N	.	E	L	V	I	V	S	G	L	A	K	G	I	D	T	A	A	H	M	A	A	L	Q	N	157
NTDB	id	192	SPR	RS05715	WP	000705306.1	F	S	I	L	D	D	C	Y	P	W	D	L	S	E	I	Y	D	A	P	V	L	L	F	Y	K	G	N	L	D	L	L	K	F	P	K	V	A	V	V	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	I	I	Q	G	L	E	N	.	E	L	V	I	V	S	G	L	A	K	G	I	D	T	A	A	H	M	A	A	L	Q	N	157
NTDB	id	157	SP	RS06205	WP	000705306.1	F	S	I	L	D	D	C	Y	P	W	D	L	S	E	I	Y	D	A	P	V	L	L	F	Y	K	G	N	L	D	L	L	K	F	P	K	V	A	V	V	G	S	R	A	C	S	K	Q	G	A	K	S	V	E	K	I	I	Q	G	L	E	N	.	E	L	V	I	V	S	G	L																

NTDB id	1250 GC085 RS13065 WP 027219989.1	G	G	K	T	I	A	V	L	G	T	I	D	C	I	Y	P	R	R	H	L	K	L	A	E	Q	I	T	E	N	G	L	L	S	E	F	P	L	K	S	P	I	A	G	H	F	P	L	R	N	R	I	S	G	L	S	L	C	I	L	V	I	E	A	A	K	S	G	S	L	I	T	A	R	M	A	L	E	Q	N	R			
NTDB id	599 KW2 RS05940 WP 021037268.1	K	T	P	T	I	A	V	I	G	T	G	L	D	I	F	Y	P	L	E	N	R	K	I	Q	E	Y	L	A	K	Y	Q	L	V	L	S	E	Y	S	L	G	E	K	P	L	K	Y	H	F	P	E	R	N	R	I	A	G	L	S	R	G	V	V	V	E	A	K	L	R	S	G	S	L	I	T	C	E	R	A	L	E	E	G	R
NTDB id	525 SMSK321 RS06295 WP 000705298.1	G	G	K	T	I	A	V	I	G	T	G	L	D	V	F	Y	P	K	A	N	K	R	L	Q	D	Y	I	S	N	D	H	L	V	L	S	E	Y	G	P	G	E	Q	P	L	K	F	H	F	P	A	R	N	R	I	A	G	L	C	R	G	V	I	A	E	A	K	M	R	S	G	S	L	I	T	C	E	R	A	M	E	E	G	R
NTDB id	267 KZH43 RS05590 WP 000705306.1	G	G	K	T	I	A	V	I	G	T	G	L	D	V	F	Y	P	K	A	N	K	R	L	Q	D	Y	I	G	N	D	H	L	V	L	S	E	Y	G	P	G	E	Q	P	L	K	F	H	F	P	A	R	N	R	I	A	G	L	C	R	G	V	I	A	E	A	K	M	R	S	G	S	L	I	T	C	E	R	A	M	E	E	G	R
NTDB id	226 SPD RS05990 WP 000705306.1	G	G	K	T	I	A	V	I	G	T	G	L	D	V	F	Y	P	K	A	N	K	R	L	Q	D	Y	I	G	N	D	H	L	V	L	S	E	Y	G	P	G	E	Q	P	L	K	F	H	F	P	A	R	N	R	I	A	G	L	C	R	G	V	I	A	E	A	K	M	R	S	G	S	L	I	T	C	E	R	A	M	E	E	G	R
NTDB id	192 SPR RS05715 WP 000705306.1	G	G	K	T	I	A	V	I	G	T	G	L	D	V	F	Y	P	K	A	N	K	R	L	Q	D	Y	I	G	N	D	H	L	V	L	S	E	Y	G	P	G	E	Q	P	L	K	F	H	F	P	A	R	N	R	I	A	G	L	C	R	G	V	I	A	E	A	K	M	R	S	G	S	L	I	T	C	E	R	A	M	E	E	G	R
NTDB id	157 SP RS06205 WP 000705306.1	G	G	K	T	I	A	V	I	G	T	G	L	D	V	F	Y	P	K	A	N	K	R	L	Q	D	Y	I	G	N	D	H	L	V	L	S	E	Y	G	P	G	E	Q	P	L	K	F	H	F	P	A	R	N	R	I	A	G	L	C	R	G	V	I	A	E	A	K	M	R	S	G	S	L	I	T	C	E	R	A	M	E	E	G	R
NTDB id	497 SM12261 RS05565 WP 000705318.1	G	G	K	T	I	A	V	I	G	T	G	L	D	V	F	Y	P	K	A	N	K	R	L	Q	D	Y	I	G	N	D	H	L	V	L	S	E	Y	G	P	G	E	Q	P	L	K	F	H	F	P	A	R	N	R	I	A	G	L	C	R	G	V	I	A	E	A	K	M	R	S	G	S	L	I	T	C	E	R	A	M	E	E	G	R
NTDB id	20879 SPY RS04880 WP 010922314.1	G	G	Q	T	I	A	I	I	G	T	G	L	D	R	F	Y	P	K	E	N	R	E	L	Q	T	F	L	G	K	N	H	L	V	L	T	E	Y	G	P	G	E	A	L	S	Y	H	F	P	E	R	N	R	I	A	G	L	S	R	G	I	L	V	E	A	K	N	R	S	G	S	L												

logo

NTDB id 1250 GC085 RS13065 WP 027219989.1	DVLAIPGSIHNP	333
NTDB id 599 KW2 RS05940 WP 021037268.1	DI	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	DI	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	DVFAIPGSI	282
NTDB id 226 SPD RS05990 WP 000705306.1	DVFAIPGSI	282
NTDB id 192 SPR RS05715 WP 000705306.1	DVFAIPGSI	282
NTDB id 157 SP RS06205 WP 000705306.1	DVFAIPGSI	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	DVFAIPGSI	282
NTDB id 20879 SPY RS04880 WP 010922314.1	DI	278
NTDB id 407 SMU RS04605 WP 002262865.1	DV	280
consensus	*****!*	

logo

NTDB id 1250 GC085 RS13065 WP 027219989.1	VTSGLA	361
NTDB id 599 KW2 RS05940 WP 021037268.1	VTSGLA	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	VTSGLA	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	VTSGLA	282
NTDB id 226 SPD RS05990 WP 000705306.1	VTSGLA	282
NTDB id 192 SPR RS05715 WP 000705306.1	VTSGLA	282
NTDB id 157 SP RS06205 WP 000705306.1	VTSGLA	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	VTSGLA	282
NTDB id 20879 SPY RS04880 WP 010922314.1	VTSGLA	278
NTDB id 407 SMU RS04605 WP 002262865.1	VTSGLA	280
consensus		

- non conserved
- similar
- ≥ 50% conserved