

NTDB id 1250 GC085 RS13065 WP 027219989.1	..MNNLQLPALLALNRMKRIG....PRTVLKLQKRWPDNL	LMFQLSSVDIEEAGLPSWLAQTIKNFDPDFIKTDLNLWSSSENHHI	78
NTDB id 599 KW2 RS05940 WP 021037268.1	.MITNFDL....FRWKKAGMTNLGVNKLKFFRKYDRKISLRQM	..GQVAQVKSIPNFIQYKNGDVVKLRADYKKFS.....S	72
NTDB id 525 SMSK321 RS06295 WP 000705298.1	MKITNYEI....YKLKSSGLTNQQILKVLEYGENVDQELLGDI	..ADISGCRNPAVFMERYFQIDDAHLEKEFKKIP.....S	73
NTDB id 497 SM12261 RS05565 WP 000705318.1	MKITNYEI....YKLKSSGLTNQQVLAVLEYGENVDQELLGDI	..AEISGCRNPAVFMERYFQIDDAHLEKEFKQKFP.....S	73
NTDB id 267 KZH43 RS05590 WP 000705306.1	MKITNYEI....YKLKSSGLTNQQILKVLEYGENVDQELLGDI	..ADISGCRNPAVFMERYFQIDDAHLSKEFKQKFP.....S	73
NTDB id 226 SPD RS05990 WP 000705306.1	MKITNYEI....YKLKSSGLTNQQILKVLEYGENVDQELLGDI	..ADISGCRNPAVFMERYFQIDDAHLSKEFKQKFP.....S	73
NTDB id 192 SPR RS05715 WP 000705306.1	MKITNYEI....YKLKSSGLTNQQILKVLEYGENVDQELLGDI	..ADISGCRNPAVFMERYFQIDDAHLSKEFKQKFP.....S	73
NTDB id 157 SP RS06205 WP 000705306.1	MKITNYEI....YKLKSSGLTNQQILKVLEYGENVDQELLGDI	..ADISGCRNPAVFMERYFQIDDAHLSKEFKQKFP.....S	73
NTDB id 60825 KE3 RS04955 WP 020916780.1	..MNNFEL....FKLKQAGLTNLNIIATILEYQKQEKKSLSLRDM	..AVVSKCKNPIIFMEKYKDLD SKTLRKVFNQYP.....S	71
NTDB id 407 SMU RS04605 WP 002262865.1	..MDNFQL....FKLKQAGLTNLNIIINIIDYEERTQKSLSLRDM	..AVVSKNKKPLIFMEHYKNLD SKALRKFNRRFP.....S	71
consensus	***!***	*****!*****	*****!*****

NTDB	id	1250	GC085	RS13065	WP	027219989.1	L	T	W	D	S	P	Y	P	A	L	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	T	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	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	497	SM12261	RS05565	WP	000705318.1	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	V	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	V	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	V	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	V	I	Q	G	L	E	N	E	L	V	I	V	S	G	L	A	K	G	I												

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	T	T	E	N	G	L	L	S	E	F	P	L	K	S	P	T	A	G	H	F	L	R	N	R	I	S	G	L	S	L	C	L	V	I	E	A	I	K	S	G	S	L	I	T	A	R	M	A	L	E	Q	N		248						
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	K	P	L	K	Y	H	F	P	K	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		241	
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		242
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		242
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		242
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		242
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		242
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		242
NTDB id	60825	KE3	RS04955	WP	020916780.1	G	G	A	T	I	A	V	I	G	C	G	L	D	V	Y	P	K	E	N	K	Q	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 497 SM12261 RS05565 WP 000705318.1	DVFAIPGSI	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 60825 KE3 RS04955 WP 020916780.1	DVFAIPGSI	280
NTDB id 407 SMU RS04605 WP 002262865.1	DVFAIPGSI	280
consensus	*****!*	

logo

NTDB id 1250 GC085 RS13065 WP 027219989.1	VTSGLAEELELKGAVIAVPGGYIRCEYER	361
NTDB id 599 KW2 RS05940 WP 021037268.1	VTSGLAEELELKGAVIAVPGGYIRCEYER	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	VTSGLAEELELKGAVIAVPGGYIRCEYER	282
NTDB id 497 SM12261 RS05565 WP 000705318.1	VTSGLAEELELKGAVIAVPGGYIRCEYER	282
NTDB id 267 KZH43 RS05590 WP 000705306.1	VTSGLAEELELKGAVIAVPGGYIRCEYER	282
NTDB id 226 SPD RS05990 WP 000705306.1	VTSGLAEELELKGAVIAVPGGYIRCEYER	282
NTDB id 192 SPR RS05715 WP 000705306.1	VTSGLAEELELKGAVIAVPGGYIRCEYER	282
NTDB id 157 SP RS06205 WP 000705306.1	VTSGLAEELELKGAVIAVPGGYIRCEYER	282
NTDB id 60825 KE3 RS04955 WP 020916780.1	VTSGLAEELELKGAVIAVPGGYIRCEYER	280
NTDB id 407 SMU RS04605 WP 002262865.1	VTSGLAEELELKGAVIAVPGGYIRCEYER	280
consensus	VTSGLAEELELKGAVIAVPGGYIRCEYER	

- X non conserved
- X similar
- X ≥ 50% conserved