

logo

NTDB id	1250 GC085 RS13065 WP 027219989.1	. . MNNLQLPLLA LNRMKRIG PRIVLKLRKRPDLNLMFQLSSVDIEEAGLP SWLAQTIKNFDPDFIKTDLNLWLSSENHHI	78
NTDB id	599 KW2 RS05940 WP 021037268.1	. MITNFD LFRWKKGAGMTNLGVNKLLKFRRKYDRKISLRQM . . GQVAQVKSIPNFIEQYKNQDVKKLRADYKKFS S	72
NTDB id	525 SMSK321 RS06295 WP 000705298.1	MKITNYE IYKLKKSGLTNQQILKVLEYGENVDQELLGDI . . ADISGCRNP AVFMERYFQIDDAHLEKEFKKIP S	73
NTDB id	267 KZH43 RS05590 WP 000705306.1	MKITNYE IYKLKKSGLTNQQILKVLEYGENVDQELLGDI . . ADISGCRNP AVFMERYFQIDDAHLSEKFQKFP S	73
NTDB id	226 SPD RS05990 WP 000705306.1	MKITNYE IYKLKKSGLTNQQILKVLEYGENVDQELLGDI . . ADISGCRNP AVFMERYFQIDDAHLSEKFQKFP S	73
NTDB id	192 SPR RS05715 WP 000705306.1	MKITNYE IYKLKKSGLTNQQILKVLEYGENVDQELLGDI . . ADISGCRNP AVFMERYFQIDDAHLSEKFQKFP S	73
NTDB id	157 SP RS06205 WP 000705306.1	MKITNYE IYKLKKSGLTNQQILKVLEYGENVDQELLGDI . . ADISGCRNP AVFMERYFQIDDAHLSEKFQKFP S	73
NTDB id	497 SM12261 RS05565 WP 000705318.1	MKITNYE IYKLKKSGLTNQQVLAVLEYGENVDQELLGDI . . A ISGCRNP AVFMERYFQIDDAHLEKEFKKFP S	73
NTDB id	54193 A20 RS04405 WP 010922314.1	. . MNHFE . . LYKLKKAAGLTNKNILNI LDYQKHQEKSLSLRDM . . AVVSGCKHP SHFT EAYVKQDITQNLMKEFKQFP S	71
NTDB id	407 SMU RS04605 WP 002262865.1	. . MDNFG . . LFKLKKAGLTNLI NI NI IDYEERTQKSLSLRDM . . AVVSKNKKPL FMEHYKNLD SKALRKFNRFPP S	71
consensus		* * * * *	*

logo

NTDB id 1250	GC085	RS13065	WP 027219989.1	L	T	W	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	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	C	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 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	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	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 497	SM12261																																																																																								

logo

NTDB id	1250 GC085 RS13065 WP 027219989.1	G	G	K	T	I	A	V	L	G	T	I	D	C	I	P	R	R	H	L	K	L	A	E	Q	I	T	E	N	G	L	L	S	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	A	I	K	S	G	S	L	I	T	A	R	M	A	L	E	Q	N								
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	E	R	N	R	I	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	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	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	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	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	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	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	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	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	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	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	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	54193 A20 RS04405 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	I	A	G	L	S	R	C	L	V	V	E	A	K	N	R	S															

logo

NTDB id 1250 GC085 RS13065 WP 027219989.1	DVLAIPGSIHNP	ARGCHYL	QQGAKLVT	SVADVLDELKIEHHQFTSNKPIFSLASGKENLVKFIGFETTTIDQIIDRSGYGMEQ	333
NTDB id 599 KW2 RS05940 WP 021037268.1	DIFAIPGNIADG	TS	SDGCNHLI	QQGAKLVYQAQDILEEYLYN	282
NTDB id 525 SMSK321 RS06295 WP 000705298.1	DVFAIPGSILDGLSDGCHHLI	QEGAKLVTSGQDVLAEFEF			282
NTDB id 267 KZH43 RS05590 WP 000705306.1	DVFAIPGSILDGLSDGCHHLI	QEGAKLVTSGQDVLAEFEF			282
NTDB id 226 SPD RS05990 WP 000705306.1	DVFAIPGSILDGLSDGCHHLI	QEGAKLVTSGQDVLAEFEF			282
NTDB id 192 SPR RS05715 WP 000705306.1	DVFAIPGSILDGLSDGCHHLI	QEGAKLVTSGQDVLAEFEF			282
NTDB id 157 SP RS06205 WP 000705306.1	DVFAIPGSILDGLSDGCHHLI	QEGAKLVTSGQDVLAEFEF			282
NTDB id 497 SM12261 RS05565 WP 000705318.1	DVFAIPGSILDGLSDGCHHLI	QEGAKLVTSGQDVLAEFEF			282
NTDB id 54193 A20 RS04405 WP 010922314.1	DIFA	VPGNILDGKSE	EGCLQLIKEGATCVTSGMDILSEY		278
NTDB id 407 SMU RS04605 WP 002262865.1	DVFV	VPGNILDGQSE	GCHHLIQEGAKCITSGFDILNEFN		280
consensus	*****!*	*****!	*****!	*****!*	

logo

NTDB id 1250 GC085 RS13065 WP 027219989.1	VTSGLAEELELKGAVIAVPGGYIRCEYER	361
NTDB id 599 KW2 RS05940 WP 021037268.1		282
NTDB id 525 SMSK321 RS06295 WP 000705298.1		282
NTDB id 267 KZH43 RS05590 WP 000705306.1		282
NTDB id 226 SPD RS05990 WP 000705306.1		282
NTDB id 192 SPR RS05715 WP 000705306.1		282
NTDB id 157 SP RS06205 WP 000705306.1		282
NTDB id 497 SM12261 RS05565 WP 000705318.1		282
NTDB id 54193 A20 RS04405 WP 010922314.1		278
NTDB id 407 SMU RS04605 WP 002262865.1		280
consensus		

- ⓧ non conserved
- ✖ similar
- ⓧ ≥ 50% conserved