

NTDB id	1250	GC085	RS13065	WP	027219989.1	..MNNLQLPLLA	LNRMKRIGP....RIVLKLQKRPDLN	LMFQLSSV	DIEEAGLP	PSWLAQTIKNFDPDF	KTDLNLWLSSSENHHI	78
NTDB id	599	KW2	RS05940	WP	021037268.1	.MITNFD....	LFRWKKGAGMTNLGVNKLLKFRRKYDRKISLRQM	..GQVAQVKSIPNF	IEQYKNQDVKKLRADY	KKFS.....S	72	
NTDB id	525	SMSK321	RS06295	WP	000705298.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGGDI	..ADISGCRNP	AVFMERYFQIDDAHL	EKEFKKIP.....S	73	
NTDB id	267	KZH43	RS05590	WP	000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGGDI	..ADISGCRNP	AVFMERYFQIDDAHL	SKEFQKFP.....S	73	
NTDB id	226	SPD	RS05990	WP	000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGGDI	..ADISGCRNP	AVFMERYFQIDDAHL	SKEFQKFP.....S	73	
NTDB id	192	SPR	RS05715	WP	000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGGDI	..ADISGCRNP	AVFMERYFQIDDAHL	SKEFQKFP.....S	73	
NTDB id	157	SP	RS06205	WP	000705306.1	MKITNYE....	IYKLKKSGLTNQQILKVLEYGENVDQELLGGDI	..ADISGCRNP	AVFMERYFQIDDAHL	SKEFQKFP.....S	73	
NTDB id	497	SM12261	RS05565	WP	000705318.1	MKITNYE....	IYKLKKSGLTNQQVLA VLEYGENVDQELLGGDI	..AETSGCRNP	AVFMERYFQIDDAHL	EKEFQKFP.....S	73	
NTDB id	120844	DI45	RS04535	WP	002995009.1	..MNHFE....	LYKLKKAAGLTNKNILNILDYQEHEKSLSLRDM	..AVVSGCKHP	SHFTIAYVKQEDIQK	KTEFKQFP.....S	71	
NTDB id	407	SMU	RS04605	WP	002262865.1	..MDNFF....	LFLKKKAGLTNLNILNIIDYEERTQKSLSLRDM	..AVVSKNKP	LFMEHYKNLD	SKALRKEFNRFPP.....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	S	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	S	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	S	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	S	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	S	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	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	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	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	V	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	I	A	G	L	C	R	G	V	I	V	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	I	A	G	L	C	R	G	V	I	V	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	I	A	G	L	C	R	G	V	I	V	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	I	A	G	L	C	R	G	V	I	V	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	I	A	G	L	C	R	G	V	I	V	A	E	A	K	M	R	S	G	S	L	I	T	C	E	R	A	M	E	E	G	R
NTDB id	120844	DI45	RS04535	WP	002995009.1	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																																																											

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 120844 DI45 RS04535 WP 002995009.1	DIFA	VPGNILDGKSE	GC	LQLIKEGATCVTSGMDILSEY	278
NTDB id 407 SMU RS04605 WP 002262865.1	DVFV	VPGNILDGQSE	GC	CHHLIQEGAKCITSGFDILNEFN	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 120844 DI45 RS04535 WP 002995009.1		278
NTDB id 407 SMU RS04605 WP 002262865.1		280
consensus		

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