

NTDB id	1250 GC085 RS13065 WP 027219989.1	MNNLQPLLA LNRMKRIGPRT VLKLQKRPDLN LMFQLSSVDLEEAGLPSWLAQTIKNFDPDFI	63
NTDB id	114 BSU 16110 NP 389493.1	MDQAAVCLTICRINQL LSPSLLLKWWKADPSMSLTSPVLQTIVT RDQIKA . AALK . . NEIEQFYPKIPRVLA	68
NTDB id	599 KW2 RS05940 WP 021037268.1	 MITNFDLFRWKKAGMTNLGV NKLKLFRRKYDRKISLRMQGV . AQVKSIPNFIEQY . KNQDVKKL	63
NTDB id	525 SMSK321 RS06295 WP 000705298.1	 MKITNYEIIYKLKKSGLTNQQILKVLEYGENVDQELLGDIADI . SGCRNPVFMERY . FQIDDAHL	64
NTDB id	267 KZH43 RS05590 WP 000705306.1	 MKITNYEIIYKLKKSGLTNQQILKVLEYGENVDQELLGDIADI . SGCRNPVFMERY . FQIDDAHL	64
NTDB id	226 SPD RS05990 WP 000705306.1	 MKITNYEIIYKLKKSGLTNQQILKVLEYGENVDQELLGDIADI . SGCRNPVFMERY . FQIDDAHL	64
NTDB id	192 SPR RS05715 WP 000705306.1	 MKITNYEIIYKLKKSGLTNQQILKVLEYGENVDQELLGDIADI . SGCRNPVFMERY . FQIDDAHL	64
NTDB id	157 SP RS06205 WP 000705306.1	 MKITNYEIIYKLKKSGLTNQQILKVLEYGENVDQELLGDIADI . SGCRNPVFMERY . FQIDDAHL	64
NTDB id	497 SM12261 RS05565 WP 000705318.1	 MKITNYEIIYKLKKSGLTNQVVLA VLEYGENVDQELLGDIAEI . SGCRNPVFMERY . FQIDDAHL	64
NTDB id	180687 A6M16 RS05010 WP 024395841.1	 MNNFELFKWKKAGLTNLLNVNKVLA YQEKGHKKLT LRNVAVV . SECKNPVLFMENY . KNLDTKAC	62
NTDB id	407 SMU RS04605 WP 002262865.1	 MDNFQLFLKLLKAGLTNLLNILNIIDYEERTQKSLSLRDMAVV . SKNKKPLIFMEHY . KNLDSKAL	62
consensus		*****	

NTDB id	1250	GC085	RS13065	WP	027219989.1	KTDLNWLSSSENHHILTWDSPLYPALLKEIADPPFI L YAKGELSALTQ.	PSLAIVGSRNASVTGNENARAFSREISRHG	V	142
NTDB id	114	BSU	16110	NP	389493.1	AYREQG.....INTIPITSSKQYPFWLKSIYDPPAVLFAGKDMTLLSKGRKIGIVGTNRNP	TAYGKQVNVNHITKEICRKGW		142
NTDB id	599	KW2	RS05940	WP	021037268.1	RADYKK.....FSSFSILD D LYPERLREIYNPPVLIFYQGNI D LLKN.	PKLAFVGSRLAQSGIKSVQKIVTEL.NQSF		135
NTDB id	525	SMSK321	RS06295	WP	000705298.1	EKEFKK.....IPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.	PKVAVVGSRASCCKQGAKSVEKIQL.ENEL		136
NTDB id	267	KZH43	RS05590	WP	000705306.1	SKEFKK.....FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.	PKVAVVGSRASCCKQGAKSVEKIQL.ENEL		136
NTDB id	226	SPD	RS05990	WP	000705306.1	SKEFKK.....FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.	PKVAVVGSRASCCKQGAKSVEKIQL.ENEL		136
NTDB id	192	SPR	RS05715	WP	000705306.1	SKEFKK.....FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.	PKVAVVGSRASCCKQGAKSVEKIQL.ENEL		136
NTDB id	157	SP	RS06205	WP	000705306.1	SKEFKK.....FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.	PKVAVVGSRASCCKQGAKSVEKIQL.ENEL		136
NTDB id	497	SM12261	RS05565	WP	000705318.1	EKEFKK.....FPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.	PKVAVVGSRASCCKQGAKSVEKIQL.ENEL		136
NTDB id	180687	A6M16	RS05010	WP	024395841.1	REEFNK.....YPSFSILDDIYPLALKQIYNPPVLLFYQGDLELLEK.	SKLAVVCTRNA S NGIQSVQKIIKEL.	SNRF	134
NTDB id	407	SMU	RS04605	WP	002262865.1	RKEFNK.....FPSLSILDKEYPLELNQIYNPPVLLFYQGDLLLAR.	PKLAVVGSRASQMGMVAVKKIIQL.SKCF		134
consensus						*****	*****!!**!*!*****!*****!*	*****!?!*!*****!*****!	

NTDB	id	1250	GC085	RS13065	WP	027219989.1	SIVSGLALGIDAH	AHL	G	C	L	E	G	G	K	T	I	A	V	L	G	T	G	I	D	C	I	Y	P	R	R	H	L	K	L	A	E	Q	I	T	E	N	G	L	L	S	F	P	L	K	S	P	I	A	G	H	F	P	L	R	N	R	I	I	S	G	L	S											
NTDB	id	114	BSU	16110	NP	389493.1	VIVSGLAS	G	I	D	G	M	S	H	A	A	S	I	K	A	K	G	R	T	I	G	V	I	A	G	G	F	Q	H	I	Y	P	R	E	N	L	Q	L	A	D	H	M	A	K	H	H	I	L	L	S	E	H	P	P	E	T	K	P	Q	K	W	H	F	P	M	R	N	R	I	I	S	G	L	S
NTDB	id	599	KW2	RS05940	WP	021037268.1	TIVSGLAK	G	I	D	T	A	S	H	L	S	A	I	K	T	K	T	P	T	I	A	V	I	G	T	G	L	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	
NTDB	id	525	SMK321	RS06295	WP	000705298.1	VIVSGLAK	G	I	D	T	A	A	H	M	A	A	L	Q	N	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	S
NTDB	id	267	KZH43	RS05590	WP	000705306.1	VIVSGLAK	G	I	D	T	A	A	H	M	A	A	L	Q	N	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	S
NTDB	id	226	SPD	RS05990	WP	000705306.1	VIVSGLAK	G	I	D	T	A	A	H	M	A	A	L	Q	N	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	S
NTDB	id	192	SPR	RS05715	WP	000705306.1	VIVSGLAK	G	I	D	T	A	A	H	M	A	A	L	Q	N	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	S
NTDB	id	157	SP	RS06205	WP	000705306.1	VIVSGLAK	G	I	D	T	A	A	H	M	A	A	L	Q	N	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	S
NTDB	id	497	SM12261	RS05565	WP	000705318.1	VIVSGLAK	G	I	D	T	A	A	H	M	A	A	L	Q	N	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	S
NTDB	id	180687	A6M16	RS05010	WP	024395841.1	VIVSGLA	R	G	I	D	T	A	A	H	I	S	L	K	N	G	G	T	I	A	V	I</																																																				

