

NTDB	id	583	DLJ51	RS09560	WP	002962590.1	MYN	K	V	I	L	I	G	R	L	T	A	A	P	E	M	V	K	T	P	S	N	K	S	V	T	H	I	T	L	A	V	N	R	R	F	K	T	Q	D	G	E	R	G	A	D	F	V	N	V	F	W	G	K	L	A	E	S	L	V	S	Y	A	G	K	G	S	L	V	S	L	D	G	E	I	R	T	R	H	Y	E	K	.	84			
NTDB	id	498	SM12261	RS01980	WP	000282464.1	MYN	K	V	I	M	I	G	R	L	T	S	T	P	E	L	H	K	T	N	N	D	K	S	V	A	R	A	T	I	A	V	N	R	R	Y	K	D	Q	N	G	E	R	E	A	D	F	V	N	M	V	L	W	G	K	L	A	E	S	L	A	S	Y	A	T	K	G	S	L	I	S	V	D	G	E	L	R	T	R	R	F	E	K	.	84		
NTDB	id	526	SMSK321	RS08825	WP	000282440.1	MYN	K	V	I	L	I	G	R	L	T	S	T	P	E	L	H	K	T	N	N	D	K	S	V	A	R	A	T	I	A	V	N	R	R	Y	K	D	Q	N	G	E	R	E	A	D	F	V	N	M	V	L	W	G	R	L	A	E	T	L	A	S	Y	A	T	K	G	S	L	I	S	V	D	G	E	L	R	T	R	R	F	E	K	.	84		
NTDB	id	158	SP	RS09595	WP	000282442.1	MYN	K	V	I	L	I	G	R	L	T	S	T	P	E	L	H	K	T	N	N	D	K	S	V	A	R	A	T	I	A	V	N	R	R	Y	K	D	Q	N	G	E	R	E	A	D	F	V	N	M	V	L	W	G	R	L	A	E	T	L	A	S	Y	A	T	K	G	S	L	I	S	V	D	G	E	L	R	T	R	R	F	E	K	.	84		
NTDB	id	268	KZH43	RS08520	WP	000282467.1	MYN	K	V	I	M	I	G	R	L	T	S	T	P	E	L	H	K	T	N	N	D	K	S	V	A	R	A	T	I	A	V	N	R	R	Y	K	D	Q	N	G	E	R	E	A	D	F	V	N	M	V	L	W	G	R	L	A	E	T	L	A	S	Y	A	T	K	G	S	L	I	S	V	D	G	E	L	R	T	R	R	F	E	K	.	84		
NTDB	id	227	SPD	RS09110	WP	000282467.1	MYN	K	V	I	M	I	G	R	L	T	S	T	P	E	L	H	K	T	N	N	D	K	S	V	A	R	A	T	I	A	V	N	R	R	Y	K	D	Q	N	G	E	R	E	A	D	F	V	N	M	V	L	W	G	R	L	A	E	T	L	A	S	Y	A	T	K	G	S	L	I	S	V	D	G	E	L	R	T	R	R	F	E	K	.	84		
NTDB	id	193	SPR	RS08685	WP	000282467.1	MYN	K	V	I	M	I	G	R	L	T	S	T	P	E	L	H	K	T	N	N	D	K	S	V	A	R	A	T	I	A	V	N	R	R	Y	K	D	Q	N	G	E	R	E	A	D	F	V	N	M	V	L	W	G	R	L	A	E	T	L	A	S	Y	A	T	K	G	S	L	I	S	V	D	G	E	L	R	T	R	R	F	E	K	.	84		
NTDB	id	85754	STYK	RS07685	WP	000609606.1	M	I	N	N	V	V	L	V	G	R	M	T	R	D	A	E	L	R	Y	T	P	S	N	V	A	V	A	T	F	T	L	A	V	N	R	T	F	K	S	Q	N	G	E	R	E	A	D	F	I	N	V	M	W	R	Q	Q	A	E	N	L	A	N	W	A	K	K	G	S	L	I	G	V	T	G	R	I	Q	T	R	S	Y	D	N	Q	.	85
NTDB	id	624	LCA	RS00040	WP	011373726.1	M	I	N	R	V	V	L	V	G	R	L																																																																											

NTDB	id	583	DLJ51	RS09560	WP	002962590.1	DGQTHYVTEI ^I LQSFQLLESRAQRALRENNGASDL.....TDLVL	124
NTDB	id	498	SM12261	RS01980	WP	000282464.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDL.....ADLVL	124
NTDB	id	526	SMSK321	RS08825	WP	000282440.1	NGQMNYVA ^E EVLTGTGFQLLESRAQRAMRENNAGQDL.....ADLVL	124
NTDB	id	158	SP	RS09595	WP	000282442.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDL.....ADLVL	124
NTDB	id	268	KZH43	RS08520	WP	000282467.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDL.....ADLVL	124
NTDB	id	227	SPD	RS09110	WP	000282467.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDL.....ADLVL	124
NTDB	id	193	SPR	RS08685	WP	000282467.1	NGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQDL.....ADLVL	124
NTDB	id	85754	STYK	RS07685	WP	000609606.1	QGGRVYVTEVV ^A ENFQML ^S ESRVREGHTGGAYSAPT.....ANYSAPTN...SVPDFSRDENPFG.ATNPLDI	149
NTDB	id	624	LCA	RS00040	WP	011373726.1	QGGRVYVTEVV ^V VDNFSLLESRTTTEQR ^R CGDGA ^S SNFNFSNQSNSQS.....QSGFTSPQQTGNAPAANNNTQADPFANNGQAIDI	163
NTDB	id	113	BSU	40900	NP	391970.1	QGGRVFVTEVQAESVQFL ^P PKNGGCSGS ^GGYNEGNSGGGQYFGGGQNNDNPF ^G GNQNNQRRNQGSNFD ^D PPFANDGKPIDI	165
NTDB	id	112	BSU	36310	NP	391512.2	EGVN ^V YVTEVLADTVRFMDPKPREKAAD.....*****	113
consensus							*!*****!*!**********	*****

NTDB id	Accession	Species	Length	Consensus
NTDB id 583	DLJ51	RS09560	WP 002962590.1	EEEELPF 131
NTDB id 498	SM12261	RS01980	WP 000282464.1	EEEELPF 131
NTDB id 526	SMSK321	RS08825	WP 000282440.1	EEEELPF 131
NTDB id 158	SP	RS09595	WP 000282442.1	EEEELPF 131
NTDB id 268	KZH43	RS08520	WP 000282467.1	EEEELPF 131
NTDB id 227	SPD	RS09110	WP 000282467.1	EEEELPF 131
NTDB id 193	SPR	RS08685	WP 000282467.1	EEEELPF 131
NTDB id 85754	STYK	RS07685	WP 000609606.1	SDDDLPF 156
NTDB id 624	LCA	RS00040	WP 011373726.1	SDDDLPF 170
NTDB id 113	BSU	40900	NP 391970.1	SDDDLPF 172
NTDB id 112	BSU	36310	NP 391512.2	 113
consensus				*****

- X non conserved
- X similar
- X >50% conserved