

NTDB	id	1471	ASU2	RS04565	WP	014991634.1	MAGINKVI	I	V	G	N	L	G	N	D	P	E	M	R	T	M	P	N	G	E	A	V	A	N	I	S	V	A	T	S	E	S	T	D	K	N	T	G	E	R	R	E	V	T	E	W	H	R	I	V	F	V	R	R	Q	A	E	V	A	G	Q	Y	L	R	K	G	S	Q	V	Y	E	G	R	L	K	T	R		
NTDB	id	1390	A4U84	RS00055	WP	021115958.1	MAGV NKVI	I	V	G	N	L	G	N	D	P	D	M	R	T	M	P	N	G	D	A	V	A	T	L	S	V	A	T	S	E	S	W	N	D	K	M	T	G	E	R	R	E	V	T	E	W	H	R	I	V	F	F	R	R	Q	A	E	V	A	G	Q	Y	L	R	K	G	S	K	V	Y	E	G	K	L	K	T	R	
NTDB	id	498	SM12261	RS01980	WP	000282464.1	..	M	Y	N	K	V	I	M	I	G	R	L	T	S	T	P	E	L	H	K	T	N	D	K	S	V	A	R	A	T	I	A	V	N	R	R	Y	K	D	Q	N	G	..	E	A	D	F	V	N	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
NTDB	id	526	SMSK321	RS08825	WP	000282440.1	..	M	Y	N	K	V	I	L	I	G	R	L	T	S	T	P	E	L	H	K	T	N	D	K	S	V	A	R	A	T	I	A	V	N	R	R	Y	K	D	Q	N	G	..	E	A	D	F	V	N	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
NTDB	id	158	SP	RS09595	WP	000282442.1	..	M	Y	N	K	V	I	L	I	G	R	L	T	S	T	P	E	L	H	K	T	N	D	K	S	V	A	R	A	T	I	A	V	N	R	R	Y	K	D	Q	N	G	..	E	A	D	F	V	N	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
NTDB	id	268	KZH43	RS08520	WP	000282467.1	..	M	Y	N	K	V	I	M	I	G	R	L	T	S	T	P	E	L	H	K	T	N	D	K	S	V	A	R	A	T	I	A	V	N	R	R	Y	K	D	Q	N	G	..	E	A	D	F	V	N	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
NTDB	id	227	SPD	RS09110	WP	000282467.1	..	M	Y	N	K	V	I	M	I	G	R	L	T	S	T	P	E	L	H	K	T	N	D	K	S	V	A	R	A	T	I	A	V	N	R	R	Y	K	D	Q	N	G	..	E	A	D	F	V	N	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
NTDB	id	193	SPR	RS08685	WP	000282467.1	..	M	Y	N	K	V	I	M	I	G	R	L	T	S	T	P	E	L	H	K	T	N	D	K	S	V	A	R	A	T	I	A	V	N	R	R	Y	K	D	Q	N	G	..	E	A	D	F	V	N	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
NTDB	id	583	DLJ51	RS09560	WP	002962590.1	..	M	Y	N	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	L	A	V	N	R	R	F	K	T	Q	D	..	E	A	D	F	V	N	V	F	W	C	K	L	A	E	S	L	V	S	Y	A	G</															

NTDB id	1471 ASU2 RS04565 WP 014991634.1	KWQDQNGQDRYTTEI	IQQDVLQMLGGRNQG	DFGGNQCGW.GNSAPAPQQSYNQGN	SG.YGY...DQTASRPA...QQAAKQAAKP	162	
NTDB id	1390 A4U84 RS00055 WP 021115958.1	KWQDQNGQDRYTTEI	IQQDVLQMLDSRSSGG	DFGGNQCSG.WNQAPA.QTNYNQGGYS.DNY...	AQNNNFNGGNATRPQPAQKPA	164	
NTDB id	498 SM12261 RS01980 WP 000282464.1	RFEK.NGQMNYVTEVL	VTGFQLLESRAQRAMRENNACQ.....			117	
NTDB id	526 SMSK321 RS08825 WP 000282440.1	RFEK.NGQMNYVAEVL	VTGFQLLESRAQRAMRENNACQ.....			117	
NTDB id	158 SP RS09595 WP 000282442.1	RFEK.NGQMNYVTEVL	VTGFQLLESRAQRAMRENNACQ.....			117	
NTDB id	268 KZH43 RS08520 WP 000282467.1	RFEK.NGQMNYVTEVL	VTGFQLLESRAQRAMRENNACQ.....			117	
NTDB id	227 SPD RS09110 WP 000282467.1	RFEK.NGQMNYVTEVL	VTGFQLLESRAQRAMRENNACQ.....			117	
NTDB id	193 SPR RS08685 WP 000282467.1	RFEK.NGQMNYVTEVL	VTGFQLLESRAQRAMRENNACQ.....			117	
NTDB id	583 DLJ51 RS09560 WP 002962590.1	HYEK.DGQTHYVTEIL	LAQS FQLLESRAQRALRENNGAS.....			117	
NTDB id	409 SMU RS08940 WP 002263454.1	KYEK.DGVTHEVTEVL	GHS FQLLESRAQRAMRENNSEN.....			117	
NTDB id	112 BSU 36310 NP 391512.2	SYENEEGVNVVYVTEVL	ADTVRFMDPKPREKAAD.....			113	
NTDB id	113 BSU 40900 NP 391970.1	NYENQCGQRVEVTEV	QAESVQFLEPKNGGSGSG....	GYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNS....	FNDDPF	156	
NTDB id	21124 SAG RS05625 WP 000609377.1	NYENQCGQRIYVTEVV	AENFQLLESRSNQQTINQSCNS.....		SNSY	122	
NTDB id	624 LCA RS00040 WP 011373726.1	NYENQCGQRVYVTEVV	VDNFSLLSRTTTEFRQGDGA	SQNFNSNQSNQSGSQ.....	QSGFTSPQQTGNAPAANN....	TQADPF	154
consensus		***** ! *	***** ! **	***** ! *****			

NTDB id 1471 ASU2 RS04565 WP 014991634.1	AQAEPMDNFDDDI	PF	178
NTDB id 1390 A4U84 RS00055 WP 021115958.1	AQAEPMDNFDDDI	PF	180
NTDB id 498 SM12261 RS01980 WP 000282464.1	..DLADLVLEEEEL	PF	131
NTDB id 526 SMSK321 RS08825 WP 000282440.1	..DLADLVLEEEEL	PF	131
NTDB id 158 SP RS09595 WP 000282442.1	..DLADLVLEEEEL	PF	131
NTDB id 268 KZH43 RS08520 WP 000282467.1	..DLADLVLEEEEL	PF	131
NTDB id 227 SPD RS09110 WP 000282467.1	..DLADLVLEEEEL	PF	131
NTDB id 193 SPR RS08685 WP 000282467.1	..DLADLVLEEEEL	PF	131
NTDB id 583 DLJ51 RS09560 WP 002962590.1	..DLTDLVLEEEEL	PF	131
NTDB id 409 SMU RS08940 WP 002263454.1	..DLADLVLEEEEL	PF	131
NTDB id 112 BSU 36310 NP 391512.2			113
NTDB id 113 BSU 40900 NP 391970.1	ANDGKPIIDISDDDL	PF	172
NTDB id 21124 SAG RS05625 WP 000609377.1	FGNANKMDISDDDL	PF	138
NTDB id 624 LCA RS00040 WP 011373726.1	ANNQGAIDISDDDL	PF	170
consensus	*** ****		

 non conserved
 similar
 $\geq 50\%$ conserved