

[illegible][illegible]

NTDB	id	617	LCA	RS06480	WP	011375001.1	P	T	E	I	V	A	P	E	F	L	Q	L	Q	V	N	D	N	A	G	L	S	Y	A	E	L	L	K	I	S	L	R	L	R	P	D	T	L	I	I	G	E	I	R	D	L	E	T	A	Q	Y	V	V	S	A	A	L	S	G	H	L	V	L	S	T	I	H	A	R	S	T	Q	G	V	A	R	L	L	D	L	G	T	S	E	L		253
NTDB	id	586	KW2	RS10855	WP	011836048.1	P	V	E	L	I	D	S	D	F	I	Q	L	Q	V	N	D	V	I	G	N	S	Y	D	E	L	I	K	L	S	L	R	H	R	P	D	L	L	I	V	G	E	I	R	D	Q	T	A	R	A	V	I	R	A	S	L	T	G	Y	T	V	F	S	T	I	H	A	S	V	K	G	V	Q	R	L	L	E	L	C	L	S	D	W		250		
NTDB	id	123564	FE90	RS00580	WP	032460336.1	P	V	E	I	K	N	H	Q	I	L	Q	L	Q	V	N	D	I	G	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	I	V	G	E	I	R	D	S	T	A	R	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	V	H	A	K	S	I	P	G	V	A	R	L	L	E	L	G	V	T	K	A		252			
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	S	I	G	M	T	Y	D	H	L	I	K	L	S	L	R	H	R	P	D	L	I	I	G	E	I	R	D	R	E	T	A	Q	A	V	I	R	A	S	L	T	G	I	R	V	F	S	T	V	H	A	K	S	I	P	G	V	A	R	L	L	E	L	G	V	S	D		254			
NTDB	id	385	SMU	RS09035	WP	002263435.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	I	I	G	E	I	R	D	K	E	T	A	R	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	V	H	A	K	S	I	P	G	V	A	R	M	L	E	L	C	T	S	S	E		252		
NTDB	id	394	FSA28	RS09405	WP	002291652.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	I	I	G	E	I	R	D	K	E	T	A	R	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	V	H	A	K	S	I	P	G	V	A	R	M	L	E	L	C	T	S	S	E		252		
NTDB	id	429	SGO	RS09420	WP	012130942.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	T	I	G	L	T	Y	E	S	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	P	G	V	Y	E	R	L	L	E	L	G	V	S	E		251	
NTDB	id	500	SM1261	RS00945	WP	000249545.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	R	G	V	Y	E	R	L	L	E	L	G	V	S	E		251	
NTDB	id	270	KZH43	RS09265	WP	000249564.1	P	V	E	I	K	Q	D	N	M	L																																																																												

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NTDB id 617 LCA RS06480 WP 011375001.1	QLRACLTG	IAYQSL	VTKDD	VVQA...	HYELLT	GSDYFSKK	EGGCDV		296			
NTDB id 586 KW2 RS10855 WP 011836048.1	ELKNGLEA	VVYQRLI	AGKGVLD	IAKSKF	DTWSPK	KWNEK	TENLYANGHL	TAIEAEREK	326			
NTDB id 123564 FE90 RS00580 WP 032460336.1	ELSNCLAL	IAYQRLI	NGGALID	STQNEF	EYSS	SNWNQ	QIDQLLEAGH	LNPKQAKLEK	312			
NTDB id 584 DLJ51 RS00890 WP 019777327.1	ELDNCLAG	IAYQRLI	GGGLIDFA	QDHFNHQA	ECWNEK	IDQLLAAGH	LTEEEAAAEK	IKD	315			
NTDB id 385 SMU RS09035 WP 002263435.1	ELQNALRG	IVYQRLI	GGGGIIDFA	KGDYQNHS	AKKWNK	QIYDLFTA	GYITEGEA	QAEEIED	313			
NTDB id 394 FSA28 RS09405 WP 002291652.1	ELQNALCG	IVYQRLI	GGGGIIDFA	KGDYQNHS	AKKWNK	QIYDLFTA	GYITEGEA	QAEEIED	313			
NTDB id 429 SGO RS09420 WP 012130942.1	ELKIVLQG	ICYQRLI	GGGGVIDFAS	DNYQEHEPTV	WNQ	QIDQLLAAGH	IHP	EQAEAEKIRN	319			
NTDB id 500 SM12261 RS00945 WP 000249545.1	ELAVVLQG	VVCYQRLI	GGGGVIDFAS	RDKYQEHQ	STSWNAQ	IDQLLDGH	ITSLQAET	EKISYS	313			
NTDB id 270 KZH43 RS09265 WP 000249564.1	ELAVVLQG	VVCYQRLI	GGGGVIDFAS	RDKYQEHQ	AAKWNEQ	IDQLLDGH	ITSLQAET	EKISYS	313			
NTDB id 229 SPD RS09895 WP 000249564.1	ELAVVLQG	VVCYQRLI	GGGGVIDFAS	RDKYQEHQ	AAKWNEQ	IDQLLDGH	ITSLQAET	EKISYS	313			
NTDB id 195 SPR RS09430 WP 000249564.1	ELAVVLQG	VVCYQRLI	GGGGVIDFAS	RDKYQEHQ	AAKWNEQ	IDQLLDGH	ITSLQAET	EKISYS	313			
NTDB id 160 SP RS10380 WP 000249564.1	ELAVVLQG	VVCYQRLI	GGGGVIDFAS	RDKYQEHQ	AAKWNEQ	IDQLLDGH	ITSLQAET	EKISYS	313			
consensus	*!	!	**	!!*	*****	***	*	***	*****	****	***	***

- non conserved
- similar
- ≥ 50% conserved