

NTDB id	617	LCA RS06480 WP	O11375001.1
NTDB id	586	KW2 RS10855 WP	O11836048.1
NTDB id	584	DLJ51 RS00890 WP	O19777327.1
NTDB id	385	SMU RS09035 WP	O02263435.1
NTDB id	394	FSA28 RS09405 WP	O02291652.1
NTDB id	429	SGO RS09420 WP	O12130942.1
NTDB id	500	SM12261 RS00945 WP	O00249545.1
NTDB id	1114605	A66 RS09250 WP	O00249571.1
NTDB id	270	KZH43 RS09265 WP	O00249564.1
NTDB id	229	SPD RS09895 WP	O00249564.1
NTDB id	195	SPR RS09430 WP	O00249564.1
NTDB id	160	SP RS10380 WP	O00249564.1
consensus			

[illegible]

NTDB	id	617	LCA	RS06480	WP	011375001.1	P	T	E	I	V	A	P	E	F	L	Q	L	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	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	A	S	V	K	G	V	V	Q	R	L	L	E	L	C	L	S	D	W		250	
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	P	S	I	G	M	T	Y	D	H	L	I	K	L	S	L	R	H	R	P	D	V	L	I	I	G	E	I	R	D	E	T	A	Q	A	V	I	R	A	S	L	T	G	I	R	V	F	S	T	I	H	A	K	S	I	P	G	V	Y	A	R	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	E	S	I	G	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	I	H	A	K	S	I	P	G	V	Y	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	E	S	I	G	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	I	H	A	K	S	I	P	G	V	Y	A	R	M	L	E	L	C	T	S	S	E		252
NTDB	id	429	SG0	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	I	G	E	I	R	D	S	E	T	A	R	A	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	SM12261	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	I	G	E	I	R	D	S	E	T	A	R	A	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	1114605	A66	RS09250	WP	000249571.1	P	V	E	I	K	Q	D	D	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	I	G	E	I	R	D	S	E	T	A	R	A	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	270	KZH43	RS09265	WP	000249564.1	P	V	E</																																																																																			

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NTDB id 617 LCA RS06480 WP 011375001.1	ELRACLTGIAVYQSLVTKDDVVQAH...YELLTGSDYFSKKE.....GGCDV.....	296
NTDB id 586 KW2 RS10855 WP 011836048.1	ELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKIENLYANGHLTAIEAEREKISINQASKIDTTDGESFE	326
NTDB id 584 DLJ51 RS00890 WP 019777327.1	ELDNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECWNEKIDQLLAAGHLTEEEAAAEEKIKD.....	315
NTDB id 385 SMU RS09035 WP 002263435.1	ELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEIEIED.....	313
NTDB id 394 FSA28 RS09405 WP 002291652.1	ELQNALCGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEIEIED.....	313
NTDB id 429 SGO RS09420 WP 012130942.1	ELKIVLQGGICYQRLIGGGGVIDFASDNYQEHEPTVWNQQIDQLLAAGHIHPEQAEAEKIRNQQAKTSY.....	319
NTDB id 500 SM12261 RS00945 WP 000249545.1	ELAVVLQGVCYQRLIGGGGIVDFANKDYQEHQSTSWNAQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 1114605 A66 RS09250 WP 000249571.1	ELAVVLQGVCYQRLIGGGGIVDFANRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 270 KZH43 RS09265 WP 000249564.1	ELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 229 SPD RS09895 WP 000249564.1	ELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 195 SPR RS09430 WP 000249564.1	ELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 160 SP RS10380 WP 000249564.1	ELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
consensus	*! **!*****!!******* ** ** ** **	

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