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NTDB id 617	LCA RS06480 WP 011375001.1	.MSTEEKLTTLLKHCAKQRVQDLYFTPTIGGWRLTERRQSDLVTNQELDKPTGTRYLNRLKYMAGMDISETRRAQTGRSE	79
NTDB id 586	KW2 RS10855 WP 011836048.1	..MVQKKAQELIQKAIEMBASDIYLIASGNLYKYIYIRQQLGRRTLIEEVNQEIGLALLTHFKFLAGMNTGERRRVQLGACW	78
NTDB id 49508	SPYALAB49 RS00650 WP 002993471.1	..MVQALAKAILAKAEQVQAQDIYILPRADQYDLFLIGDERLRLVDVQSDRMAGLISHFKFVAGMTVGEKRRCSQVGSCD	78
NTDB id 584	DLJ51 RS00890 WP 019777327.1	MVEVQELGELKELIRQAQVEEQAQDIYILPKPAVYKLYLRFGEKRHLIQTCPPLEQAAGLISHFKFLAGMNVGEKRRRAQLGACD	80
NTDB id 385	SMU RS09035 WP 002263435.1	..MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELYMRITGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB id 394	FSA28 RS09405 WP 002291652.1	..MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELYMRITGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB id 429	SGO RS09420 WP 012130942.1	..MVQKIIAQAIIVRKAKECAQDIYFVPKDDCYELMRIGDERRFIQTYDFDLQAAVISHFKFLAGMNVGEKRRSQLGSCD	78
NTDB id 500	SM12261 RS00945 WP 000249545.1	..MVQEIIAQEIIRSARKKGAQDIYFVPKLDAYELHMRVGDERCKIGCYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB id 270	KZH43 RS09265 WP 000249564.1	..MVQEIIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB id 229	SPD RS09895 WP 000249564.1	..MVQEIIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB id 195	SPR RS09430 WP 000249564.1	..MVQEIIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB id 160	SP RS10380 WP 000249564.1	..MVQEIIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
consensus		***** * * ! * ! * * * * * * * * * ! * * * * * * * * * ! * * * * * * * * * ! * * * * * * * * *	

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NTDB id 617	LCA RS06480 WP 011375001.1	S	A	K	M	V	V	A	I	E	D	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	K	I	S	L	R	L	R	P	D	T	L	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																																																																																																																																																																																																																																																																																																																																																							
NTDB id 586	KW2 RS10855 WP 011836048.1	S	N	A	Q	V	I	T	E	E	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	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																																																																																																																																																																																																																																																																																																																																																						
NTDB id 49508	SPYALAB49 RS00650 WP 002993471.1	Q	E	A	Q	V	I	S	I	E	D	P	V	E	I	K	N	H	Q	I	L	Q	L	Q	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	Q	T	A	R	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	I	H	A	K	S	I																																																																																																																																																																																																																																																																																																																																																								
NTDB id 584	DLJ51 RS00890 WP 019777327.1	P	D	S	Q	I	I	T	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	N	S	P	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	R	E	T	A	Q	Y	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	I	H	A	K	S	I																																																																																																																																																																																																																																																																																																																																																							
NTDB id 385	SMU RS09035 WP 002263435.1	E	T	K	Q	V	I	T	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	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	I	H	A	K	S	I																																																																																																																																																																																																																																																																																																																																																									
NTDB id 394	FSA28 RS09405 WP 002291652.1	E	T	K	Q	V	I	T	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	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	I	H	A	K	S	I																																																																																																																																																																																																																																																																																																																																																									
NTDB id 429	SGO RS09420 WP 012130942.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	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																																																																																																																																																																																																																																																																																																																																																							
NTDB id 500	SM12261 RS00945 WP 000249545.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	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																																																																																																																																																																																																																																																																																																																																																							
NTDB id 270	KZH43 RS09265 WP 000249564.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	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																																																																																																																																																																																																																																																																																																																																																							
NTDB id 229	SPD RS09895 WP 000249564.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	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																																																																																																																																																																																																																																																																																																																																																							
NTDB id 195	SPR RS09430 WP 000249564.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	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																																																																																																																																																																																																																																																																																																																																																							
NTDB id 160	SP RS10380 WP 000249564.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	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																																																																																																																																																																																																																																																																																																																																																							
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NTDB id 617 LCA RS06480 WP 011375001.1	QGVVARLLDLGISELQLRACLTGIIAYQSLVTKDDVVQA...HYELLTGSDYFSKKEGGCDV.....	296
NTDB id 586 KW2 RS10855 WP 011836048.1	KGVVQRLLELGLSDWELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKIENTLYANGHLTATEAEREKTSINQAS	315
NTDB id 49508 SPYALAB49 RS00650 WP 002993471.1	SGVYARLLELGLVTKAELSNCLALTIAYQRLINGGALIDSTQNEFEYYSSNWNQQIDQLLEAGHINPKQAKLEKII....	312
NTDB id 584 DLJ51 RS00890 WP 019777327.1	PGVYARILELGLVSGDELNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECWNEKIDQLLAAGHLTEEBAAAEEKIKD....	315
NTDB id 385 SMU RS09035 WP 002263435.1	PGVYARMLELGTSSSEELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEETIED....	313
NTDB id 394 FSA28 RS09405 WP 002291652.1	PGVYARMLELGTSSSEELQNALCGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEETIED...	313
NTDB id 429 SGO RS09420 WP 012130942.1	PGVYERLLELGLVSEELKIVLQGICVYQRLIGGGGVIDFASDNYQEHEPTVWNQQIDQLLAAGHIHPEQABAEEKIRNQQAK	316
NTDB id 500 SM12261 RS00945 WP 000249545.1	RGVYERLLELGLVSEELAVVLQGVVYQRLIGGGGIVDFANKDYQEHQSTSWNAQIDQLLKDGHITSLQAETEKISYS...	313
NTDB id 270 KZH43 RS09265 WP 000249564.1	RGVYERLLELGLVSEELAVVLQGVVYQRLIGGGGIVDFASRDYQEHQAQAKWNEQIDQLLKDGHITSLQAETEKISYS...	313
NTDB id 229 SPD RS09895 WP 000249564.1	RGVYERLLELGLVSEELAVVLQGVVYQRLIGGGGIVDFASRDYQEHQAQAKWNEQIDQLLKDGHITSLQAETEKISYS...	313
NTDB id 195 SPR RS09430 WP 000249564.1	RGVYERLLELGLVSEELAVVLQGVVYQRLIGGGGIVDFASRDYQEHQAQAKWNEQIDQLLKDGHITSLQAETEKISYS...	313
NTDB id 160 SP RS10380 WP 000249564.1	RGVYERLLELGLVSEELAVVLQGVVYQRLIGGGGIVDFASRDYQEHQAQAKWNEQIDQLLKDGHITSLQAETEKISYS...	313
consensus	!!* !*!!*!***** ! ** !*!***** ** * * ** ***** ** * **	

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NTDB id 617 LCA RS06480 WP 011375001.1	KIDTTDGSFE	296
NTDB id 586 KW2 RS10855 WP 011836048.1	KIDTTDGSFE	326
NTDB id 49508 SPYALAB49 RS00650 WP 002993471.1		312
NTDB id 584 DLJ51 RS00890 WP 019777327.1		315
NTDB id 385 SMU RS09035 WP 002263435.1		313
NTDB id 394 FSA28 RS09405 WP 002291652.1		313
NTDB id 429 SGO RS09420 WP 012130942.1	TSY.....	319
NTDB id 500 SM12261 RS00945 WP 000249545.1		313
NTDB id 270 KZH43 RS09265 WP 000249564.1		313
NTDB id 229 SPD RS09895 WP 000249564.1		313
NTDB id 195 SPR RS09430 WP 000249564.1		313
NTDB id 160 SP RS10380 WP 000249564.1		313
consensus		

- non conserved
- similar
- ≥ 50% conserved