

Table S1. Distribution of *S. thermophilus*-like CRISPR loci in prokaryotes.

Locus	Organism	Strain	Accession number	BLAST score*
CRISPR1	<i>Streptococcus gordonii</i>	Challis substr. CH1	CP000725	0.0
	<i>Actinobacillus succinogenes</i>	130Z	CP000746	4e-127
	<i>Neisseria meningitidis</i>	Z2491 (serogroup A)	AL157959	6e-121
	<i>Pasteurella multocida</i>	Pm70	AE006153	7e-105
CRISPR2	<i>Mycobacterium tuberculosis</i>	F11	CP000717	0.0
	<i>Mycobacterium bovis</i>	BCG Pasteur 1173P2	AM408590	0.0
	<i>Mycobacterium tuberculosis</i>	CDC1551	AE000516	0.0
	<i>Mycobacterium bovis</i>	AF2122/97	BX248343	0.0
	<i>Mycobacterium tuberculosis</i>	H37Ra	CP000611	0.0
	<i>Mycobacterium tuberculosis</i>	H37Rv	BX842581	0.0
	<i>Mycobacterium tuberculosis</i>	y414a	AD000007	0.0
	<i>Streptococcus sanguinis</i>	SK36	CP000387	0.0
	<i>Staphylococcus epidermidis</i>	RP62A	CP000029	0.0
	<i>Syntrophomonas wolfei</i>	Goettingen	CP000448	3e-118
	<i>Kuenenia stuttgartiensis</i>	KUST_E	CT573071	2e-71
	<i>Thermotoga maritima</i>	MSB8	AE000512	2e-62
	<i>Thermotoga petrophila</i>	RKU-1	CP000702	3e-61
	<i>Mycobacterium tuberculosis</i>	16319	AF189762	8e-60
	<i>Mycobacterium tuberculosis</i>	9402008	AF189821	1e-59
	<i>Mycobacterium tuberculosis</i>	TN4937	AF189819	1e-59
CRISPR3	<i>Streptococcus mutans</i>	UA159	AE014133	0.0
	<i>Streptococcus agalactiae</i>	A909	CP000114	0.0
	<i>Streptococcus agalactiae</i>	2603V/R	AE014232	0.0
	<i>Streptococcus agalactiae</i>	NEM316	AL766847	0.0
	<i>Streptococcus pyogenes</i>	MGAS10750	CP000262	0.0
	<i>Streptococcus pyogenes</i>	MGAS5005	CP000017	0.0
	<i>Streptococcus pyogenes</i>	M1 GAS	AE004092	0.0
	<i>Streptococcus pyogenes</i>	MGAS10270	CP000260	0.0
	<i>Streptococcus pyogenes</i>	MGAS315	AE014074	0.0
	<i>Streptococcus pyogenes</i>	SSI-1	BA000034	0.0
	<i>Streptococcus pyogenes</i>	MGAS6180	CP000056	0.0
	<i>Streptococcus pyogenes</i>	MGAS2096	CP000261	0.0
	<i>Streptococcus pyogenes</i>	MGAS9429	CP000259	0.0
	<i>Listeria innocua</i>	Clip11262	AL596173	0.0
	<i>Lactobacillus salivarius</i>	UCC118	CP000233	7e-157
	<i>Treponema denticola</i>	ATCC 35405	AE017226	2e-140

*tblastn score obtained with *S. thermophilus* concatenated Cas protein sequences (Fig. S1).