

Supplementary Table 1. Type I-E CRISPR-Cas systems in *L. buchneri* genomes and closely related lactobacilli.

Genus	Species	Strain	CRISPR Repeat	No. of Spacers
<i>Lactobacillus</i>	<i>buchneri</i>	CD 034	GTATTCCCCACGTACGTAGGGGTGATCC	48
<i>Lactobacillus</i>	<i>buchneri</i>	CD 034	GTATTCCCCACGTGTGTAGGGGTGATCC	3
<i>Lactobacillus</i>	<i>buchneri</i>	ATCC 11577	GTATTCCCCATGTATGTGGGGGTGATCC	3
<i>Lactobacillus</i>	<i>brevis</i>	KB 290	GTATTCCCCACACATGTGGGGGTGATCC	28
<i>Lactobacillus</i>	<i>brevis</i>	ATCC 367	GTATTCCCCACACATGTGGGGGTGATCC	29
<i>Lactobacillus</i>	<i>brevis</i>	ATCC 367	GTATTCCCCACAGGTGTGGGGGTGATCC	28