

Table S3 Genome editing in *M. tuberculosis* H37Rv and *M. bovis* BCG.

Gene name	Description	No. of mutant/ No. of test
H37Rv		
Rv0059	Toxin	9/12
Rv0299	Toxin, MazF10	6/8
Rv0301	Toxin, VapC2	3/3
Rv0609	Toxin, VapC28	7/8
Rv0919	Toxin	4/8
Rv2010	Toxin, VapC15	12/14
Rv1273c-1272c*	Drug ABC transporter ATP-binding protein	14/16
BCG		
Mb1074	Toxin	10/13
Mb2057c	Heat shock protein hspx	13/16
Mb2891	Toxin, RelG	6/10
Mb2897	Toxin, VapC43	5/8
Mb1304c-1303c*	Probable drugs-transport transmembrane ATP-binding protein ABC transporter	20/24

* Double sgRNAs were used to delete the entire operon.