CRISPRi-mediated suppression of *E. coli* Nissle 1917 virulence factors: A strategy for creating an engineered probiotic using *csgD* gene suppression

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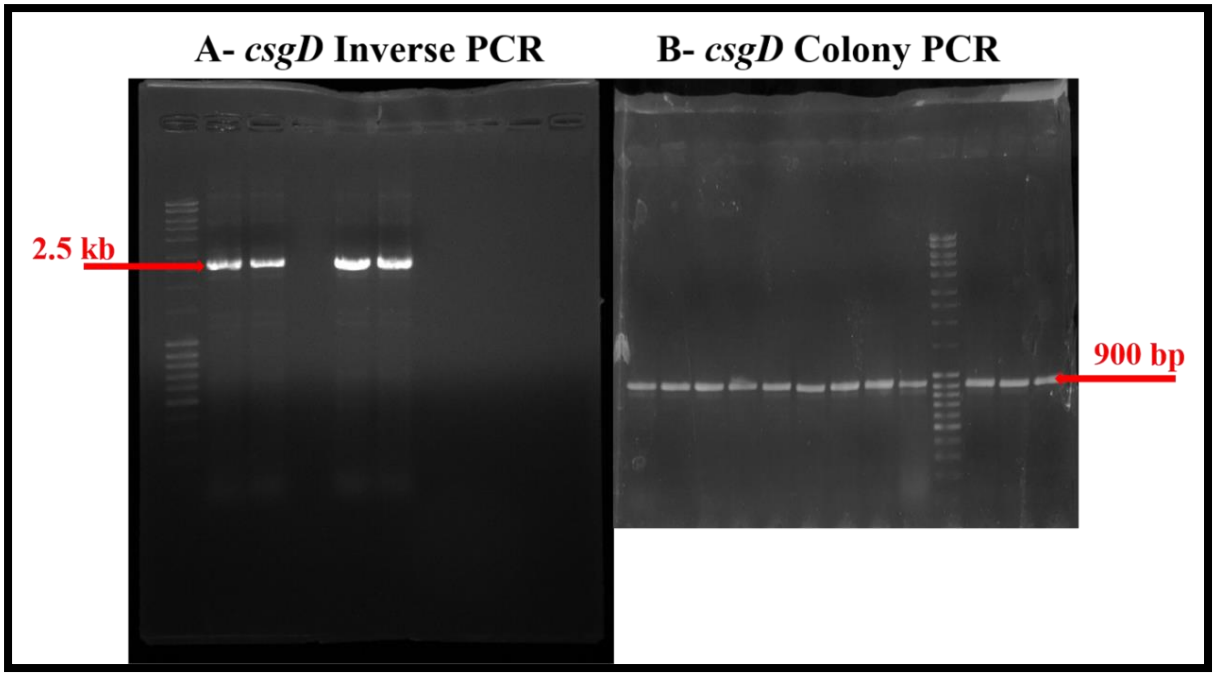

Figure S1: (A) Inverse PCR products are showing 2.5 kb sgRNA plasmid. **(B)** Colony PCR products of the clones with desired sgRNAs.

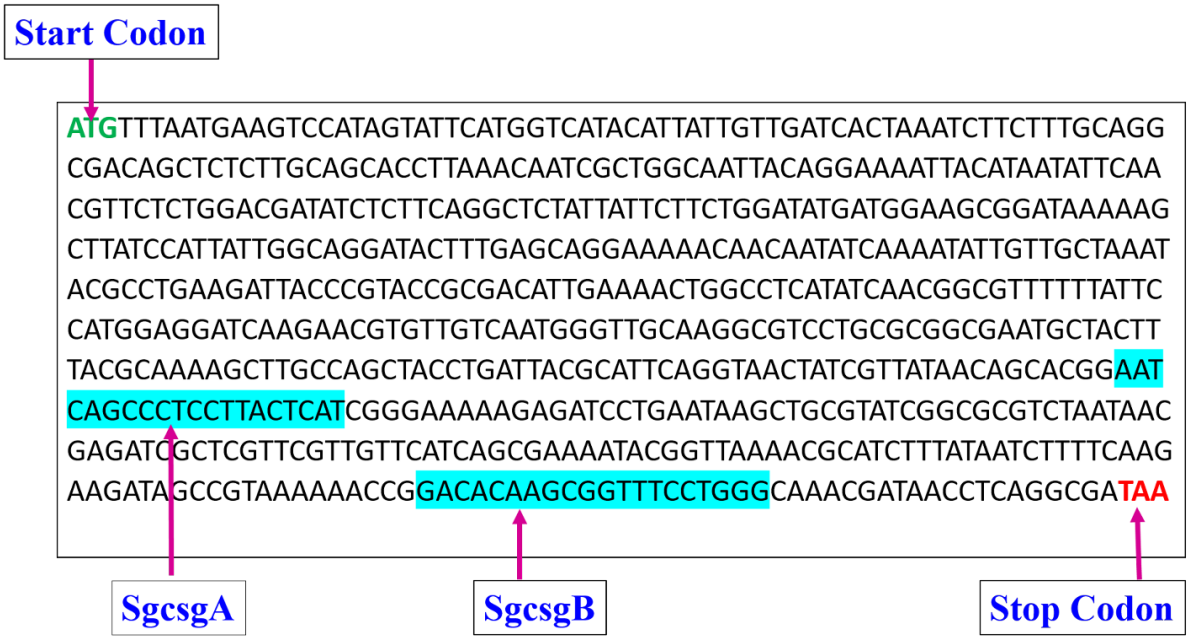

Figure S2: Showing the gene sequences and binding sites of SgcsgA and SgcsgB sgRNA sequences.

Table S1: List of the primers used in this study

Primer name	Sequences
SgcsgA	CCCAGGAAACCGCTTGTGTCGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
SgcsgB	AATCAGCCCTCCTTACTCATGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC
Sgcsg-R	ACTAGTATTATACCTAGGACTGAGCTAGC
F-colony	GGGTTATTGTCTCATGAGCGGATACATATTTG
R-colony	CGCGGCCTTTTTACGGTTC
Lux-RT-F	GTGTTCGATCTGCGCTTCTG
Lux-RT-R	GGATCCCTCTTTCTGGCATCA
Bol-RT-F	CCAACCCGTATTCCTCGAAGT
Bol-RT-R	GCCGGCTGGGACATTG
FimA RT-F	CCTGAATAACGGAACCAATACCA
FimA RT-R	GCCCCGGTTGCAAAATAA
FimH RT-F	GATGCGGGCAACTCGATT
FimH RT-R	CGCCCTGTGCAGGTGAA
csgA-FW	GCGGTAATGGTGCAGATGTTG
csgA-RW	CGTTGGGTCAGATCGATTGA
csgB-FW	CGGCAGGGAGGCTCAAA
csgB-RW	CCCGGTTGCTACTACCTTCTTG
csgD-FW	CGGAATCAGCCCTCCTTACTC
csgD-RW	GCGCCGATACGCAGCTTAT
ompR-RT-F	TGCCCGTGGTCGTGAATATT
ompR-RT-R	GCGAAATCTGCACGTCGAT