CRISPRi induced suppression of fimbriae gene (fimH) of a Uropathogenic *Escherichia coli* : a novel therapeutic approach against the battle between microbial biofilms and host immunity

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Name	Sequence (5'-3')	Purpose
FimH-F	AATAGGGATAGCGGTACCATGTTTTAGAGCTAGAAATAGCAAGTTAAAATAAGGC	Forward primer used to Insert gene targeting sequence in pgRNA
FimH-R	ACTAGTATTATACCTAGGACTGAGCTAGC	Reverse primer used to Insert gene targeting sequence in pgRNA
Colony-F	GGGTTATTGTCTCATGAGCGGATACATATTTG	Forward primer for colony PCR
Colony-R	CGCGGCCTTTTTACGGTTC	Reverse primer for colony PCR
FimH-rt-F	GATGCGGGCAACTCGATT	Forward primer for FimH gene RT- PCR
FimH-rt-R	CGCCCTGTGCAGGTGAA	Reverse primer for FimH gene RT-PCR
dCas9-rt-F	CGGAAGCGACTCGTCTCAA	Forward primer for dCas9 RT- PCR
dCas9-rt-F	CAAATACGATTCTTCCGACGTGTA	Reverse primer for dCas9 RT-PCR

Table 1:Primers used in the study. The highlighted region shows the target *fimH* gene sequence.

PCR TYPE	CYCLE NUMBER	DENATURING	ANNEALING	EXTENTION
INVERSE PCR	1	98□C, 30 s		
	2-26	98□C, 10 s	62□C, 30 s	72□C, 1 min
	27			72□C, 5 min
COLONY PCR	1	95□C, 3 min		
	2-31	95□C, 30 s	62□C, 30 s	72□C, 2 min
	32			72□C, 5 min
qRT-PCR (*fimH* and dCas9)	1	95□C, 10 min		
	2-39	95□C, 15 s	60□C, 30s	72□C, 30 sec
	40			72□C, 7 min

Table 2: Conditions used in PCR.