

Table S1. Primers used in this study

<b>Name</b>	<b>Forward (5'→3')</b>	<b>Reverse (5'→3')</b>
<i>aroC</i>	GGCACCAGTATTGGCCTGCT	CATATGCGCCACAATGTGTTG
<i>dnaN</i>	CCGATTCTCGGTAACCTGCT	CCATCCACCAGCTTCGAGGT
<i>hemD</i>	GTGGCCTGGAGTTTCCACT	GACCAATAGCCGACAGCGTAG
<i>hisD</i>	GTCGGTCTGTATATTCCCGG	GGTAATCGCATCCACCAAATC
<i>purE</i>	CGCATTATTCCGGCGCGTGT	CGCGGATCGGGATTTTCCAG
<i>sucA</i>	AGCACCGAAGAGAAACGCTG	GGTTGTTGATAACGATACGTAC
<i>thrA</i>	ATCCCGGCCGATCACATGAT	CTCCAGCAGCCCCTCTTTCAG
CRISPR1 <sup>a</sup>	GATGTAGTGCGGATAATGCT	GGTTTCTTTTCTTCCTGTTG GATGATATGGCAACAGGTTT
CRISPR2	ACCAGCCATTACTGGTACAC	ATTGTTGCGATTATGTTGGT

<sup>a</sup>The two reverse primers of CRISPR1 were added together with the forward primer to amplify CRISPR1

Table S2. List and nucleotide sequence of CRISPR spacers

Spacer No.	CRISPR1	CRISPR2	SS13
1	TTTTAGAGGTGTACACTGTCGGCCTTTG	TCGTAGTCTTCGGGTAGGCGTTTTTCATCCGG	CGTTGCTGGCTATTCGAACTAACCTGATTGT
2	CACCTTAGCGACGAAATTAACCGAGCTCAC	TCTTTATCAGCTAACCATTTCCAGAACTCGTC	GCCTCAGCATTGTCATAACCCACGCCTGGCA
3	GCTTTGCCCCATGCGTCCAGATCTTCAACGGG	GCGAGCGTTTTGGGTGGCAGCAAAATCCCGAG	CGGCTCGACCGGGAGCTTGCCGGCATCGTGGA
4	AGAAAATTATCACTGACGAGTGACAATAACTC	GTAACCTAATAAGGTCCTGGACATTAATTTTG	GCAACTTCTTATATGTAAAAAACGTTATGAT
5	GGAGGTGATCCGGGATTTAAACAAAATGATTA	AGTGCCGATGCGCGGTATCTGGGAATTCGC	TCCGGGAAAGAACTCGCCTCGTCCAGCGTCA
6	GGTTTACAGACCTCAATAAAAGACGGCAGGC	ATAAAGGTCGGGGACGATATTGTTACCTGGTG	CGGCGGCGGACGCCGCTCAGATAGCCAAAACC
7	GTCAGCGCCGGCGATTGGGCCGCCGATTTGT	GGTGGAATCGCGCAAACTTTGTTTGTTCCG	TATACAGGATTCTCACACTTTGGTTTGGTCGA
8	AATGCAATTTCTGACTCCCCTAACCTCAAGG	GGGTACTGACAATAGTACAAATAAAAAAACG	CGTTTTTTTTATTGTACTATTGTGAGTACCC
9	AAGTACCGGCAAGTGTGGTAGCGAAGGTTATG	TCGACCAACCAAAAGTGTGAGAATCCTGTATA	CGGAAACAAACAAGTTTTGCGCGATTCCACC
10	GCGCTTGATCTCCGTTATCTAAGGGCCAATC	GGTTTTGGCTATCTGAGCGCGTCCGCCGCCG	CACCAGGTAACAGTATCGTCCCCGACCTTTAT
11	GCATCGGTGGCGCTGGCCAGTTCAAAAATACG	TGACGCTGGACGAGGCGAGTTCTTCCCGGA	GCGAAATCCCCAGATACCGCGCATCGGCACT
12	CTCAACGAACGCAGTATTTGATCGGATGTTT	ATCATAACGGTTTTTTACATATAAGAAGTTGC	CAAAATTAATGTCCAGGACCTTATTAAGTTAC
13		TCCACGATGCCGGCAAGCTCCCGGTCGAGCCG	CTCGGGGATTTTGTGCCACCCAAAACGCTCGC
14		TGCCAGGCGTGGGGTTATGACAATGCTGAGGC	GACGAGTTCTGGAATGGTTAGCTGATAAGA
15		AACAATCAGGTTAGTTCGAATAGCCAGCAACG	CCGGATGAAAACGCCTACCCGGAAGACTACGA
16		GGGTTTCGTTAGCGGGATCTGGTTGCTGCGCCA	