Engineered phage enables efficient control of gene expression upon infection of the host cell

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SUPPLEMENTARY MATERIALS AND METHODS

>Homologous arms used in genome editing for construction of FM20
A total of 1,363 bp of the upstream and downstream homologous sequences in order, with the upstream homologous sequence highlighted by red font

TTGCCATGGATCATTACGCCGATAAGCCGGATTTAATGACGATGGCGAAAAGCCTCGCGGGCGGGATGCCGCTTTCGGGCGTGGTCGGTA
ACGCGAATATTATGGACGCACCCGCGCCGGGCGGGCTTGGCGGCACCTACGCCGGTAACCCGCTGGCGGTGGCTGCCGCGCACGCGGT
GCTCAACATTATCGACAAAGAATCACTCTGCGAACGCGCGAATCAACTGGGCCAGCGTCTCAAAAACACGTTGATTGATGCCAAAGAAAG
CGTTCCGGCCATTGCTGCGGTACGCGGCCTGGGGTCGATGATTGCGGTAGAGTTTAACGATCCGCAAACGGGCGAGCCGTCAGCGGCGA
TTGCACAGAAAATCCAGCAACGCGCGCTGGCGCAGGGGCTGCTCCTGCTGACCTGTGGCGCATACGGCAACGTGATTCGCTTCCTGTATC
CGCTGACCATCCCGGATGCGCAATTCGATGCGGCAATGAAAATTTTGCAGGATGCGCTGAGCGATTAATAGCCCAACGCAATAATGTCTGA
TGCGCTGCGCTTATCAGGCCTGCAAACGACGTATTGATTATGTATGCCGAATAAAGCATTCACGCCGCATCCGGCAAGTTGTATTGCTCAAC
TTCGCTAAATCTGGTGAAGAATTCACCATGAGCGGCGCTTATGCGCCGTTTTTTTTTCTGTCACACCTTATTTACATCCCCATAGATTATTTGC
GTCAGCTCACAAATACGCTTTTTCCCTGGTAAAAAATGATTTCCTGCGTGACTAAAACCCTTGTGCTCAATTGACAGTTTATTTTCTGCGGA
GTAGTCTCTCGTTTCATGGGACCGCTACCACGGAAAGGCAACATGAAACAGAAAATTACGGATTACCTGGACGAAATCTACGGTGGAACA
TTTACCGCAACTCATTTACAGAAACTTGTAACGCGTCTTGAGAGTGCGAAACGATTAATTACACAGCGACGTAAAAAACACTGGGATGAAA
GTGATGTCGTGTTAATTACCTATGCCGATCAATTTCACAGCAATGATTTAAAACCATTACCCACATTTAATCAGTTTTACCATCAATGGCTGCA
AAGCATTTTTTCACATGTTCATTTGTTGCCGTTTTATCCATGGTCATCTGATGATGGCTTTTCGGTAATTGATTATCATCAGGTCGCCAGTGAA
GCGGGGGAGTGGCAGGATATTCAGCAACTCGGTGAATGCAGTCATTTAATGTTTGATTTTGTCTGCAACCATATGTCGGCAAAAAGTGAAT
GGTTTAAAAACTATTTACAACAGCATCCAGGTTTTGAAGATTTTTTTATTGCCGTTGACCCGCAAACCGATCTCAGCGCCGTCACTC