

**Table S2.** Primers used in this study.

Primers	Sequences (5'-3')
CDHmyoF	TATACCAGAGCAGTTRCTRA
CDHmyoR	CMTCCTTCAAYTGTTTGTA
CDHsipoF	TTATGCGCTTTGCTRTTYAA
CDHsipoR	MGTTTTATTGCTCCCATT
phiCDKH02_1F	CATTCATATGATACTAGT
phiCDKH02_1R	GTAGATTATGCTAATTC
phiCDKH02_2F	TTCTCTTCTCGTAATTGTTG
phiCDKH02_2R	ACTTCTTTCTTCATGTTCTTC
phiCDKH02_3F	TTATTTGGAGGTATTCATGG
phiCDKH02_3R	CTCTTATTTGTCCTTCCAG
YW3105	AAAGTAAAAGAAGAAAATAGAAATATAATCTTTAATTTGAAAAGATTTA
phi500_S1_0	ATTATAATACGGTGGCAAATGGGTGGCATCTACAAGAGTAGAAATTAATGGTGGAATGATAAGGGTT
phi500_S1S2_0	ATTAGACTTAGCAAATGGTGTTGCTGAATCTACAAGAGTAGAAATTATAATACGGTGGCAAATGGGTGGC
phi500_S1_1	AGATGCCACCCATTTGCCACCGTATTATAATTTCTACTCTTGTAGATTTTAGTGATAGAGTGATAAGTAAAA
phi500_S1S2_1	GATTCAGCAACACCATTTGCTAAGTCTAATTTCTACTCTTGTAGATTTTAGTGATAGAGTGATAAGTAAAA
phi500_S1_2	ATTATTATTTACTTAAGTTGTAATATTTACTTAAGTTGTAATACTATT
phi500_S1_3	AATAGTATTACAACCTAAGTAAATATATTACAACCTAAGTAAATAATAAT
phi500_S1_4	CTCCATGGACGCGTGACGTCGACTCATTCCAACCTATACCAGTTTATAGGA

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ilvB_Cdiff-F	YTGGTAATGTAGATAAAAATGTRG
cotG_Cdiff-R	AATCTTCTGTA ACTCCAAAATC
edit-F	GACCCATCTGAAATAAGTAAAAATATAG
integrase-R	TATAGCTAGCATGAAAGGTGGAGTAAGAAAAAG

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