Table S1. Plasmids and construction details

Name	Description	Construction details	Reference/Source
p*NBU2-bla-ermG*b	Integration at chromosomal *attBT2* site present in most *Bacteroides* and *Parabacteroides* isolates, erythromycin resistance		Koropatkin et al., 2008
p*NBU2_erm*-TetR-P1T_DP-GH023	Integration at *attBT2* site, cassette with P1T_DP aTC-inducible promoter (RBS GH023) and constitutively-driven TetR repressor		Lim et al., 2017
pLGB13	Suicide vector for allelic exchange. Erythromycin resistance cassette for co-integrate selection, aTC-inducible expression of ssBfe1 toxin for counter-selection	1) Chemically synthesized cassette (Genscript) containing a periplasmic localization signal (first 63 bp of *BT_4676* from *B. thetaiotaomicron* VPI-5482) fused to the *bfe1* gene (BF638R_1988) of *B. fragilis* 638R. (Lim et al., 2017) 2) Using NEBuilder assembly, this cassette was cloned into the NcoI site of *pNBU2_erm*-TetR-P1T_DP-GH023. 3) The resulting plasmid was used as template for PCR using oLGB1 and oLGB2, to remove the *attN2* site and the interase gene, and the resulting product was assembled using NEBuilder.	This study
pLGB18	Construct for deletion of the GA1 T6SS (*HMPREF1057_01516* to *HMPREF1057_01551*) in *B. finegoldii* CL09T03C10	NEBuilder assembly reaction to fuse: a) pLGB13 cut with PstI and EcoRV b) 2.6 kb flank upstream of *HMPREF1057_01516*, amplified using oLGB29 + oLGB30 c) 2.5 kb flank downstream of *HMPREF1057_01551*, amplified using oLGB31 + oLGB32	This study
pLGB28	Integration at chromosomal *attB2* site present in most *Bacteroides* and *Parabacteroides* isolates, inulin utilization cassette for positive selection	NEBuilder assembly reaction to fuse: a) pNBU2 backbone excluding *ermG* cassette, amplified with oLGB78 and oLGB105 b) PBT1311 promoter and RBS, amplified from pMM553 (Mimee et al., 2015) using oLGB106 and oLGB107 c) *BACOVA_04504* and *BACOVA_04505* from *B. ovatus* ATCC 8483, amplified using oLGB104 and oLGB91 d) *BACOVA_04501* from *B. ovatus* ATCC 8483, amplified using oLGB85+86	This study

Name	Description	Construction details	Reference/Source
pLGB29	Suicide vector for allelic exchange. Inulin utiization cassette for co-integrate selection, aTC-inducible expression of ssBfe1 toxin for counter-selection	NEBuilder assembly reaction to fuse: a) pLGB28 backbone excluding the *attN2* site and integrase gene, amplified with oLGB118 and oLGB119 b) counter-selection cassette, amplified from pLGB13 using oLGB116 and oLGB117	This study
pLGB30	Suicide vector for allelic exchange. Tetracycline resistance cassette for co-integrate selection, rhamnose-inducible expression of ssBfe1 toxin for counter-selection	NEBuilder assembly reaction to fuse: a) rhamnose promoter, amplified from gene *BT_3763* from *B. thetaiotaomicron* VPI-5482, using oLGB108 and oLGB109 b) ss-*bfe1* gene and MCS, amplified from pLGB13, using oLGB110 and oLGB120 c) tetracycline resistance casette, amplified from vector pYT646b (Tang and Malamy, 2000), using oLGB121 and oLGB122 d) origin of transfer and replication, amplified from pLGB13 using oLGB111 and oLGB123 e) RhaR cassette (*BT_3768*), amplified from *B.thetaiotaomicron* VPI-5482, using oLGB112 and oLGB113	This study
pLGB31	Suicide vector for allelic exchange. Inulin utiization cassette for co-integrate selection, rhamnose-inducible expression of ssBfe1 toxin for counter-selection	NEBuilder assembly reaction to fuse: a) ss-*bfe1* gene and MCS, amplified from pLGB13, using oLGB110 and oLGB152 b) rhamnose-inducible promoter and RhaR transcription factor, amplified from pLGB30 using oLGB109 and oLGB112 c) vector backbone (oriT/V, *bla* gene, inulin selection cassette) amplified from pLGB29 using oLGB86 and oLGB111	This study
pLGB32	Construct for deletion of *tetQ* in *B. ovatus* CL09T03C03 (*AA414_04155*)	NEBuilder assembly reaction to fuse: a) pLGB29 cut with PstI and NotI b) 1 kb flank upstream of *tetQ*, amplified using oLGB124 + oLGB125 c) 1 kb flank downstream of *tetQ*, amplified using oLGB126 + oLGB127	This study
pLGB33	Construct for deletion of *tetQ* in *P. merdae* CL09T00C40 (*HMPREF1078_01857*)	NEBuilder assembly reaction to fuse: a) pLGB13 cut with PstI and EcoRV b) 1 kb flank upstream of *tetQ*, amplified using oLGB124 + oLGB125 c) 1 kb flank downstream of *tetQ*, amplified using oLGB126 + oLGB153	This study

Name	Description	Construction details	Reference/Source
pLGB34	Construct for deletion of *ubb* in *B. fragilis* NCTC 9343 (*BF9343_3779*)	NEBuilder assembly reaction to fuse: a) pLGB30 cut with PstI and SalI b) 2.5 kb flank upstream of *ubb*, amplified using oLGB141 + oLGB142 c) 2.5 kb flank downstream of *ubb*, amplified using oLGB143 + oLGB144	This study
pLGB35	Construct for deletion of *CK234_00400-00401* in *B. vulgatus* CL10T00C06	NEBuilder assembly reaction to fuse: a) pLGB30 cut with PstI and SalI b) 1.7 kb and 1.8 kb flanks upstream and downstream of *CK234_00400-00401*, amplified from *Bv* CL10Δ2GT (McEneany et al., 2018) using oLGB147 + oLGB148	This study
pLGB37	Integration at chromosomal *attB2* site present in most *Bacteroides* and *Parabacteroides* isolates, erythromycin resistance cassette for positive selection, rhamnose-inducible expression of ssBfe1 toxin	NEBuilder assembly reaction to fuse: a) vector backbone (oriT/V, *bla*, *ermG*) amplified from pNBU2 using oLGB167+168 b) rhamnose-inducible ss-*bfe1*, amplified from pLGB30 using oLGB165 and oLGB166	This study

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