

Table S5. Bacterial strains used in this study.

Bacterial Strains	<i>Source</i>	<i>Identifier</i>
<i>E. coli</i> S17-1 lambda pir	ATCC	ATCC BAA- 2428
<i>B. thetaiotaomicron</i> VPI-5482	ATCC	ATCC 29148
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i>	PMID: 18611383	GT23
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> Δ BT4338	PMID: 27729509	NS364
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> Δ BT2167	This study	GT1309
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> Δ 22bp	This study	WH311
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> Δ BT4338 <i>pNBU2-tetQ::P(BT4338)-BT4338-4XGly-HA</i>	This study	GT1481
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> Δ 22bp Δ BT4338 <i>pNBU2-tetQ::P(BT4338)-BT4338-4XGly-HA</i>	This study	WH335
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> BT2167-FLAG:: <i>pKNOCK-tetQ</i>	This study	GT1301
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> Δ BT4338 BT2167-FLAG:: <i>pKNOCK-tetQ</i>	This study	GT1308

<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> Δ 22bp BT2167-FLAG:: <i>pKNOCK-tetQ</i>	This study	WH389
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk pNBU2-tetQ::BC01</i>	This study	GT478
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> Δ BT2167 <i>pNBU2-tetQ::BC03</i>	This study	WH148
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> Δ BT4338 <i>pNBU2-tetQ::BC06</i>	This study	WH150
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> Δ BT22bp <i>pNBU2-tetQ::BC21</i>	This study	WH324
<i>Bacteroides ovatus</i> NCTC11153	ATCC	ATCC 8483
<i>Bacteroides ovatus</i> NCTC11153 Ω <i>Bovatus_RS22425::pKNOCK-tetQ</i>	This study	WH275
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk pNBU2-tetQ</i>	This study	GT1009
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> Δ BT4338 <i>pNBU2-tetQ</i>	PMID: 27729509	NS432
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> Δ BT4338 <i>pNBU2-tetQ::P(BT4338)-BT4338-HA</i>	PMID: 27729509	NS433
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk pNBU2-tetQ::P(BT4338)-BT4338</i>	This study	GT1498
<i>B. thetaiotaomicron</i> VPI-5482 <i>tdk</i> Δ BT0700 Δ BT3998	This study	GT1181

