## **Supplementary Matter**

## Methylobacterium spp. Inhibition of M. avium Adherence

**Table S1.** Adherence of *M. avium* strain A5 to stainless steel coupons in the presence and absence of established normal microbial and *Methylobacterium* spp. biofilms measured by colony counts<sup>1, 2</sup>

Hours	No Biofilm	Normal Flora	Methylobacterium	Methylobacterium
			Consortium 1	Consortium 2
0	$130 \pm 11$	690 ± 48 (< 0.05)	8.9 ± 1.8 (< 0.01)	5.5 ± 1.2 (< 0.01)
1	$100 \pm 5$	1,600 ±132 (< 0.05)	64 ± 11 (NS)	66 ± 5.5 (NS)
2	$400 \pm 28$	2,050 ± 52 (< 0.05)	45 ± 5.6 (< 0.001)	13 ± 1.6 (< 0.001)
3	$430 \pm 33$	1,900 ± 68 (< 0.05)	76 ± 13 (< 0.05)	28 ± 3.2 (< 0.01)
6	$1,100 \pm 78$	5,600 ± 342 (< 0.05)	220 ± 30 (< 0.05)	148 ± 8 (< 0.001)

<sup>1</sup>Average number of CFU/cm<sup>2</sup> ± standard deviation adhering to each coupon type of triplicate measurements from two independent experiments. <sup>2</sup> (Statistical significance, ANOVA) compared to no biofilm

**Table S2.** Effect of 10 mM azide and 10 mM cyanide exposure to *Methylobacterium* spp. biofilms on adherence of *M. avium* strain A5<sup>1</sup>

Hours	Consortium 1	Consortium 1	Consortium 2	Consortium 2
	Live	Poisoned	Live	Poisoned
0	< 200	< 200	< 200	< 200
2	$7,900 \pm 2,300$	$9,800 \pm 2,200$	$9,800 \pm 2,000$	$11,000 \pm 5,000$
3	$15,000 \pm 2,000$	$15,000 \pm 1,000$	$20,000 \pm 3,000$	23,000 ± 2,000

<sup>1</sup>Average number of CFU/cm<sup>2</sup> ± standard deviation adhering to each coupon type of triplicate measurements from two independent experiments.

Table S3. Effect of ultraviolet irradiation of Methylobacterium spp. biofilms on adherence of M. avi	ium
strain A51	

Hours	Consortium 1 Live	Consortium 1 UV-Irradiated	Consortium 2 Live	Consortium 2 UV-Irradiated
0	$200 \pm 180$	$190 \pm 100$	$390 \pm 80$	$340 \pm 170$
2	$2,900 \pm 1,700$	$3,600 \pm 1,500$	$4,300 \pm 2,200$	$5,100 \pm 1,500$
3	$2,800 \pm 1,100$	$3,500 \pm 2,700$	$3,400 \pm 2,200$	$5,300 \pm 1,400$

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Average number of CFU/cm<sup>2</sup> ± standard deviation adhering to each coupon type of triplicate measurements from two independent experiments