

**Table S1.** *Myroides* spp. strains included in phylogenetic analysis of 16S rRNA gene sequences retrieved from NCBI database.

Species and strain	Accession no. of 16S rRNA gene
Bacteroidetes phylum	
Flavobacteriia class	
Flavobacteriaceae family, <i>Myroides</i> genus	
<i>Myroides gitamensis</i> strain AV3	KX436992.1
<i>Myroides gitamensis</i> strain BSH-3	NR_125560.1
<i>Myroides guanonis</i> partial	HE663456.1
<i>Myroides guanonis</i> strain IM13	NR_108885.1
<i>Myroides indicus</i> strain UKS3	NR_145659.1
<i>Myroides indicus</i> strain UKS3	KC906253.2
<i>Myroides injenensis</i> strain M09-0166	NR_134774.1
<i>Myroides injenensis</i> strain M09-0166	HQ671078.1
<i>Myroides injenensis</i> strain M09-1053	JX966100.1
<i>Myroides marinus</i> strain JS-08	NR_117408.1
<i>Myroides marinus</i> strain RCB320	KT260532.1
<i>Myroides marinus</i> strain WR7	MN733112.1
<i>Myroides odoratimimus</i> strain Sample3	MN378640.1
<i>Myroides odoratimimus</i> strain Sample4	MN378641.1
<i>Myroides odoratimimus</i> strain Sample6	MN378643.1
<i>Myroides odoratus</i> strain DSM 2801	NR_112976.1
<i>Myroides odoratus</i> strain HAMBI1923	LT899994.1
<i>Myroides odoratus</i> strain RCB317	KT260529.1
<i>Myroides odoratus</i> strain SA17	MZ430111.1
<i>Myroides pelagicus</i> strain NBRC 102469	NR_114110.1
<i>Myroides pelagicus</i> strain SM1	NR_041042.1
<i>Myroides phaeus</i> strain A6 S	KU682196.1
<i>Myroides phaeus</i> strain MY15	NR_117475.1
<i>Myroides profundus</i> isolate Y21	KF730743.1
<i>Myroides profundus</i> strain D25	NR_044435.1
Other Flavobacteriaceae genera	
<i>Muriicola marianensis</i> strain A6B8	KC839612.1