

Automated targeted sampling of waterborne pathogens and microbial source tracking markers using near-real time monitoring of microbiological water quality

## Supplementary material

Table S1: Primers and probes for *Bacteroides* qPCR assays (based on Lee et al. 2014)

Assay	Target	Primer/Probe name <sup>a</sup>	Primer/Probe sequence (5' to 3')	Position <sup>b</sup>
		BacGen-F	CTGAGAGGAAGGTCCCCAC	271-290
BacGeneral	Order <i>Bacteroidales</i>	BacGen-TP <sup>c</sup>	AGCAGTGAGGAATATT	329-344
		BacGen-R	CACGCTACTTGGCTGGTTCAG	362-383
BacBovine	Bovine associated- <i>Bacteroidales</i>	BacBov-F1	AAGGATGAAGGTTCTATGGATTGTAAA	383-409
		BacBov-TP1	ATACGGGAATAAAACC	418-433
		BacBov-R1	GAGTTAGCCGATGCTTATTCATACG	461-484
BacHuman	Human associated- <i>Bacteroidales</i>	BacHum-F	CGCGGTAATACGGAGGATCC	497-516
		BacHum-TP	AAGTTTGCGGCTCAAC	579-594
		BacHum-R	CGCTACACCACGAATTCCG	643-661

<sup>a</sup> F – forward primer, TP – probe, R – reverse primer

<sup>b</sup> Oligonucleotide positions correspond to 16S rRNA gene sequence of *Bacteroides fragilis* ATCC25285 (Accession no. X83935).

<sup>c</sup> Probes were Taqman MGB sequences containing either FAM or VIC fluorophores