

Supplementary Table 1. Probes and bacteria used in this study¹.

Target Species	Probe	Sequences	EB Family										Non-EB Gram negative	Gram positive		
			<i>E. coli</i>	<i>E. aerogenes</i>	<i>E. cloacae</i>	<i>C. freundii</i>	<i>K. pneumoniae</i>	<i>K. oxytoca</i>	<i>P. mirabilis</i>	<i>P. stuartii</i>	<i>S. marcescens</i>	<i>M. morganii</i>	<i>P. aeruginosa</i>	<i>E. faecalis</i>	<i>S. aureus</i>	<i>S. epidermidis</i>
Universal	UNI798C	TCGTTTACRGC GTGGACTACCA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	UNI776D	GGGTATCTAATCCTGTTTGCTC														
Enterobacteriaceae	EB1275C	ACTTTATGAGGTCCGCTTGCTCT	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	EB1252D	CGCGAGGTCGCCTTCCTTTGTAT														
<i>E. coli</i>	EC471C	CTGCGGGTAACGTCAATGAGCAAA	✓													
	EC447D	GGTATTAAC TTTACTGCC TTTCTC														
<i>P. mirabilis</i>	PM1019C	AGCGTTCCCGAAGGCACTCCTC							✓							
	PM997D	TATCTCTAAAGGATTGCTGGA														
<i>P. aeruginosa</i>	PA594C	CCCGGGGATTTCACATCCA ACTT										✓				
	PA570D	GCTGAACCACCTACGCGCGCTTT														
<i>E. faecalis</i>	EF220C	ACCGCGGGTCCATCCATCAG												✓		
	EF200D	CGACACCCGAAAGCGCCTTT														
Positive control	PC1C	ACTACCTACAATAAAAAACTCC														
	PC1D	AAAAATAAGTCGCACAAACATC														
Negative control	NC1C	TCCCACACCCACGATACAAAA														

The capture (C) and detector (D) probes were modified with 5' thiol and 3' fluorescein, respectively. The degenerate bases R represents bases A or G and Y represents C or T.

1. R. Mohan, K. E. Mach, M. Bercovici, Y. Pan, L. Dhulipala, P. K. Wong and J. C. Liao, *PLoS One*, 2011, **6**, e26846.