

Supplementary Materials

Bacterial Lighthouses—Real-Time Detection of *Yersinia enterocolitica* by Quorum Sensing

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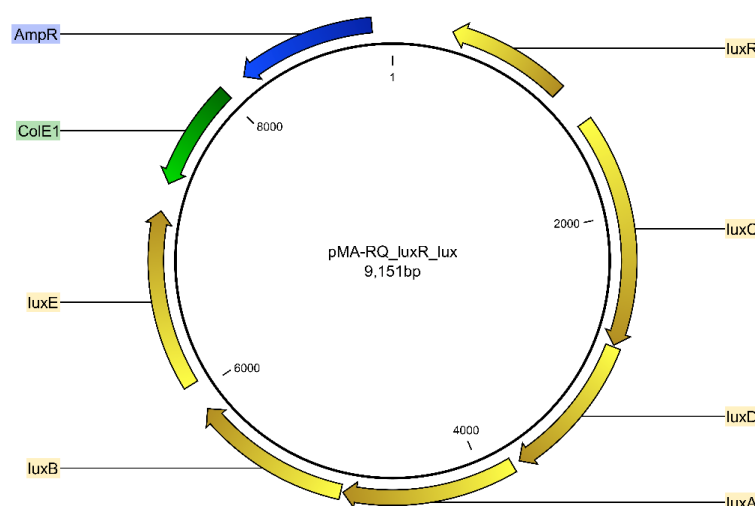


Figure S1. Plasmid map of sensor plasmid pMA-RQ_luxR_lux. It is based on the sequence of pSB401 [36], encoding a fusion construct combining the *Vibrio fischeri* luxRI' and *Photorhabdus luminescens* luxCDABE sequences. The fusion construct was synthesized and joined to the pMA-RQ backbone by GeneArt. The backbone carries an ampicillin-resistance gene and a ColE1 origin of replication.

Table S1. Optimized parameters for detection of *N*-hexanoyl- and *N*-(3-oxohexanoyl)-L-homoserine lactone using LC-MS/MS.

ID	Q1 [Da]	Q3 [Da]	Dwell Time [ms]	DP [V]	EP [V]	CEP [V]	CE [V]	CXP [V]
<i>N</i> -hexanoyl-L-homoserine lactone	200.1	102.1	200	30.0	6.90	12.189	13.670	2.00
<i>N</i> -hexanoyl-L-homoserine lactone	200.1	182.1	200	30.0	6.90	12.189	13.670	2.00
<i>N</i> -(3-oxohexanoyl)-L-homoserine lactone	214.1	102.1	200	26.8	9.18	12.796	12.300	5.39
<i>N</i> -(3-oxohexanoyl)-L-homoserine lactone	214.1	168.1	200	26.8	9.18	12.796	12.300	5.39