

**Table S3.** Efficiency and sensitivity of individual qPCR standard curve determined via linearized plasmid DNA.

Target gene	Primer set	Efficiency			Sensitivity (copy number/ $\mu$ l plasmid DNA)	
		R <sup>2</sup>	Slope	Linearity range	Expected value	Obtained value
Bacterial 16S RNA	341F, 518R	0.991	-3.365	10 <sup>3</sup> -10 <sup>9</sup>	1.870 x 10 <sup>6</sup>	1.837 x 10 <sup>6</sup>
<i>Scalindua</i> 16S rRNA	Brod541F, Brod1260R	0.998	-3.367	10 <sup>1</sup> -10 <sup>6</sup>	2.935 x 10 <sup>6</sup>	2.877 x 10 <sup>6</sup>
Anammox bacterial <i>hzo</i>	HzoF1, HzoR1	0.996	-3.266	10 <sup>1</sup> -10 <sup>6</sup>	3.289 x 10 <sup>6</sup>	3.367 x 10 <sup>6</sup>