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**Temporal and spatial coexistence of archaeal and bacterial amoA genes and gen transcripts in Lake Lucerne**

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	<b>target</b>	<b>primer name</b>	<b>sequence</b>	<b>reference</b>
<b>qPCR</b> (1µM primer used)	Archaeal <i>amoA</i>	104(L)F	5'-GCAGGWGAYTACATYTTCTA-3'	(Vissers et al, submitted for publication)
		616R	5'-GCCATCCATCTGTATGTCCA - 3'	(Tourna, <i>et al.</i> , 2008)
	Bacterial <i>amoA</i>	1F(J)	5'-GGGGHTTYTACTGGTGGT - 3'	(Stephen, <i>et al.</i> , 1999)
		2R	5'-CCCCTCKGSAAAGCCTTCTTC - 3'	(Rotthauwe, <i>et al.</i> , 1997)
<b>Clone library</b> (0.5 µM primer used)	Archaeal <i>amoA</i>	AOA- <i>amoA</i> -F	5'-STAATGGTCTGGCTTAGACG-3'	(Francis, <i>et al.</i> , 2005)
		AOA- <i>amoA</i> -R	5'-GCGGCCATCCATCTGTATGT-3'	(Francis, <i>et al.</i> , 2005)