

Supplemental information

Table S1. Information about the pair of primers used in this study (sequences, melting temperature and amplification efficiency) for the *dszA*, *dszB*, *dszC* and *16S rRNA* genes.

Genes	Primer sequences (5'-3')	Melting temperature	Amplification efficiency
<i>dszA</i>	TGGGATTGATGCAGGCTACAT	56.5°C	2.05
	GCCCCGCAGCCTTCAC	60.3°C	
<i>dszB</i>	CCTGCTGGATCGCACACA	58.1°C	1.89
	CGGGCTCCTGCAGCAA	58.9°C	
<i>dszC</i>	TGTTTCGGCTCGCAGGAA	57.1°C	1.99
	CGTTCTGCGCGATTTGC	55.4°C	
<i>16S rRNA</i>	CGACCTGAGAGGGTGATC	57.1°C	1.89
	ATAACCCGCTGGCAATACAG	55.2°C	

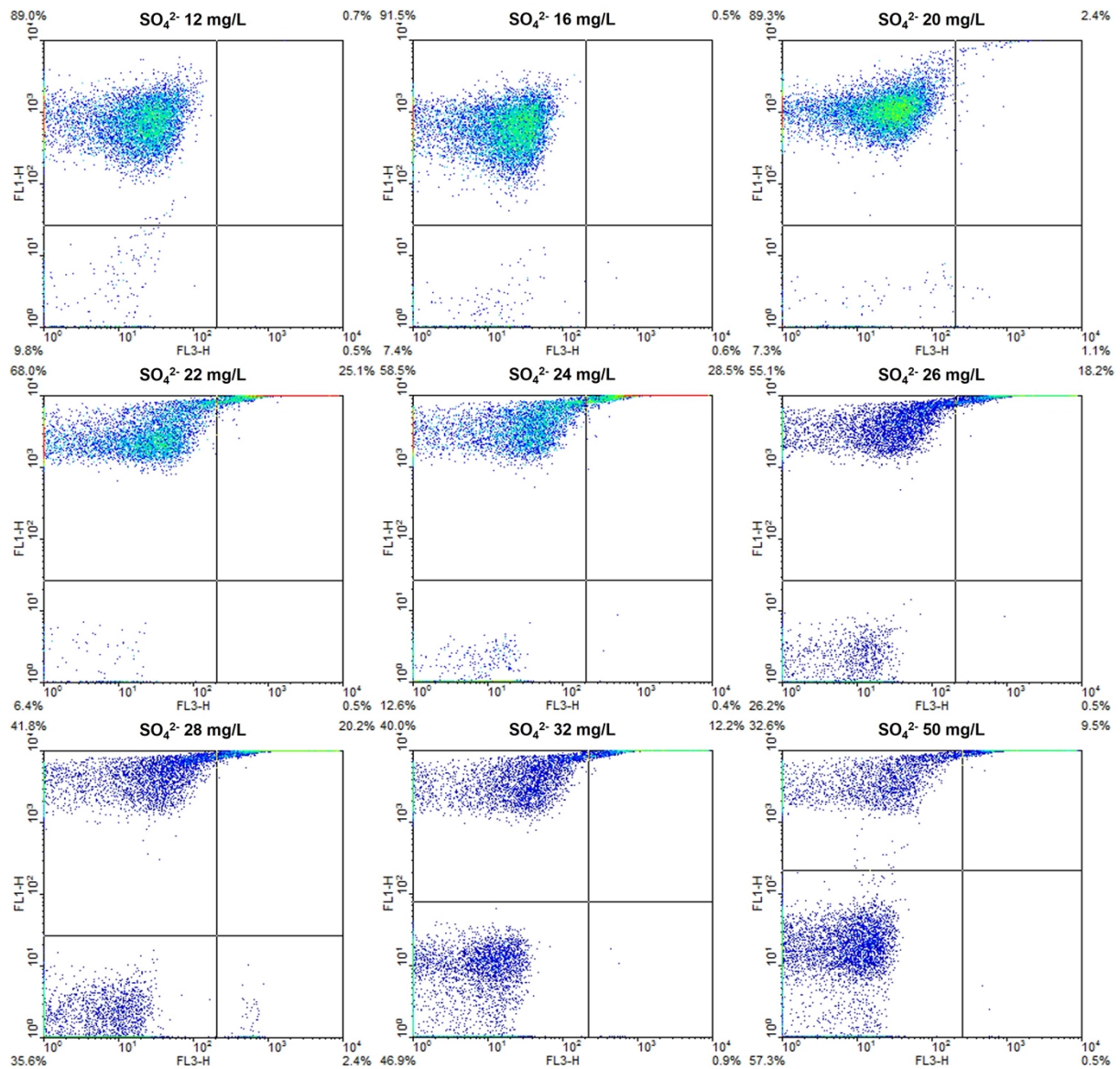


Fig. S1. Flow cytometry analysis of the dual staining with CFDA and PI of the population of *G. alkanivorans* strain 1B, from each steady state obtained with different initial sulfate concentrations (12 to 50 mg/L SO₄ using Na₂SO₄). Samples were collected in duplicate, and each was analyzed in triplicate.