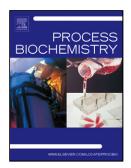
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ACCEPTED MANUSCRIPT

1	Isolation of a methanotroph from a hydrogen sulfide-rich anaerobic digester for methanol
2	production from biogas
3	
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14 15	¹ Authors contributed equally to this work. Highlights:
15 16	 Methanotrophs were isolated from a hydrogen sulfide (H₂S)-rich anaerobic digester.
17	• One isolate, <i>Methylocaldum gracile</i> SAD2, can grow at 1000 ppm H ₂ S in the headspace.
18	• Strain SAD2 showed greater H ₂ S tolerance than two commonly studied methanotrophs.
19	• Strain SAD2 produced 275 mg/L methanol in the presence of 500 ppm H_2S .
20	• This is the first reported methanotroph that converts H ₂ S-rich biogas to methanol.
21	

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