

Table 1 Characteristics that differentiate strain Z-0001^T from *Thermincola carboxydophila*

Characteristic	<i>Thermincola carboxydophila</i> (Sokolova et al. 2005)	Strain Z-0001 ^T
Morphology	Straight thick rods with rounded ends	Straight to slightly curved rods
Cell size (µm)	0.5 × 0.6–3.0	0.4–0.5 × 1.0–3.0
Spore formation	–	+
Temperature range (°C)	37–68	45–67
Optimum	55	57–60
pH		
Range	6.7–9.5	5.9–8.0
Optimum	8.0	7.0–7.1
NaCl range (%)	ND	0–3.5
G + C content of DNA	45.4 ± 1%	47.8 ± 1%
Oxidation with Fe(III) of		
Acetate	–	+
H ₂	–	+

ND not determined