

Supplementary information for manuscript “Fungal colonization of an Ordovician impact-induced hydrothermal system”, by Ivarsson, M., Broman, C., Sturkell, E., Ormö, J., Siljeström, S., van Zuilen, M., and Bengtson, S.

S1. Table of Raman measurements performed on 17 samples from the Lockne impact structure indicating a calculated average temperature of ca. 250°C.

Analysis	RA1	RA2	avg-RA1	avg-T
185.40-spec1	0,58	1,41		
185.40-spec2	0,54	1,17		
185.40-spec5	0,59	1,44		
185.40-spec6	0,58	1,38	0,57	247
215.90-spec2	0,59	1,46		
215.90-spec3	0,62	1,66		
215.90-spec4	0,60	1,48		
215.90-spec6	0,58	1,40	0,60	280
216.0-spec1	0,61	1,55		
216.0-spec2	0,57	1,31		
216.0-spec3	0,58	1,40		
216.0-spec4	0,58	1,38		
216.0-spec5	0,58	1,41	0,58	261
219.60-spec4	0,55	1,24		
219.60-spec5	0,52	1,06		
219.60-spec6	0,55	1,20		
219.60-spec7	0,59	1,44	0,55	219
		total	0,58	252

S2. Table of carbon isotope analysis.

No	Sample	$\delta^{13}\text{C}$ vs PDB (‰)
1	219,6	-26,96

2	215,9	-22,85
3	skräp 219.4	-27,36
4	219,4	-27,80
5	139,8	-30,35

S3. Table of sample depths.

Depth
171.30
181.70
185.40
215.75
215.90
216.00
219.40
219.60
219.90