

Supplementary Material

$^{230}\text{Th}/\text{U}$ Isochron Dating of Cryogenic Cave Carbonates

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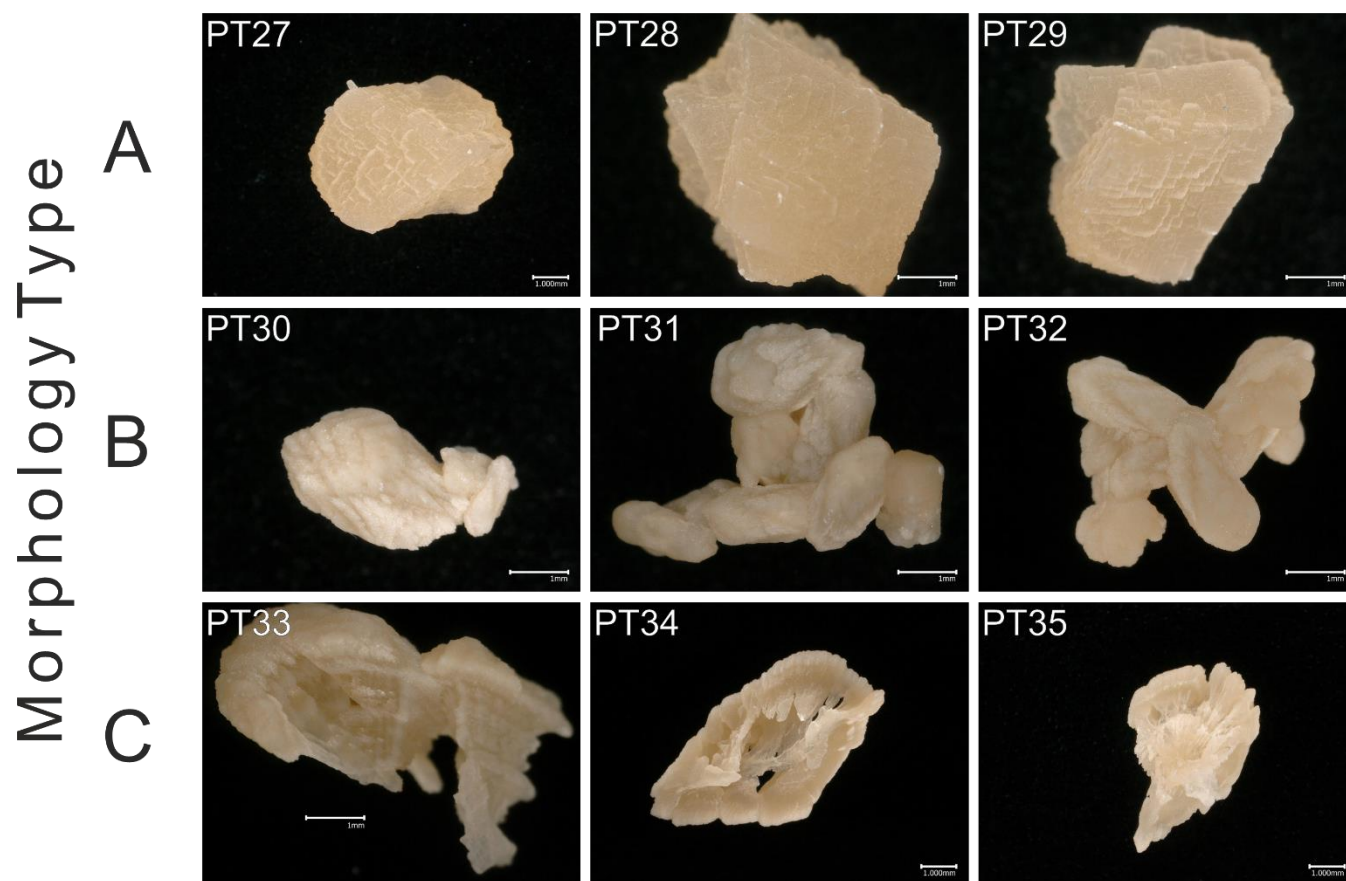


Figure S1

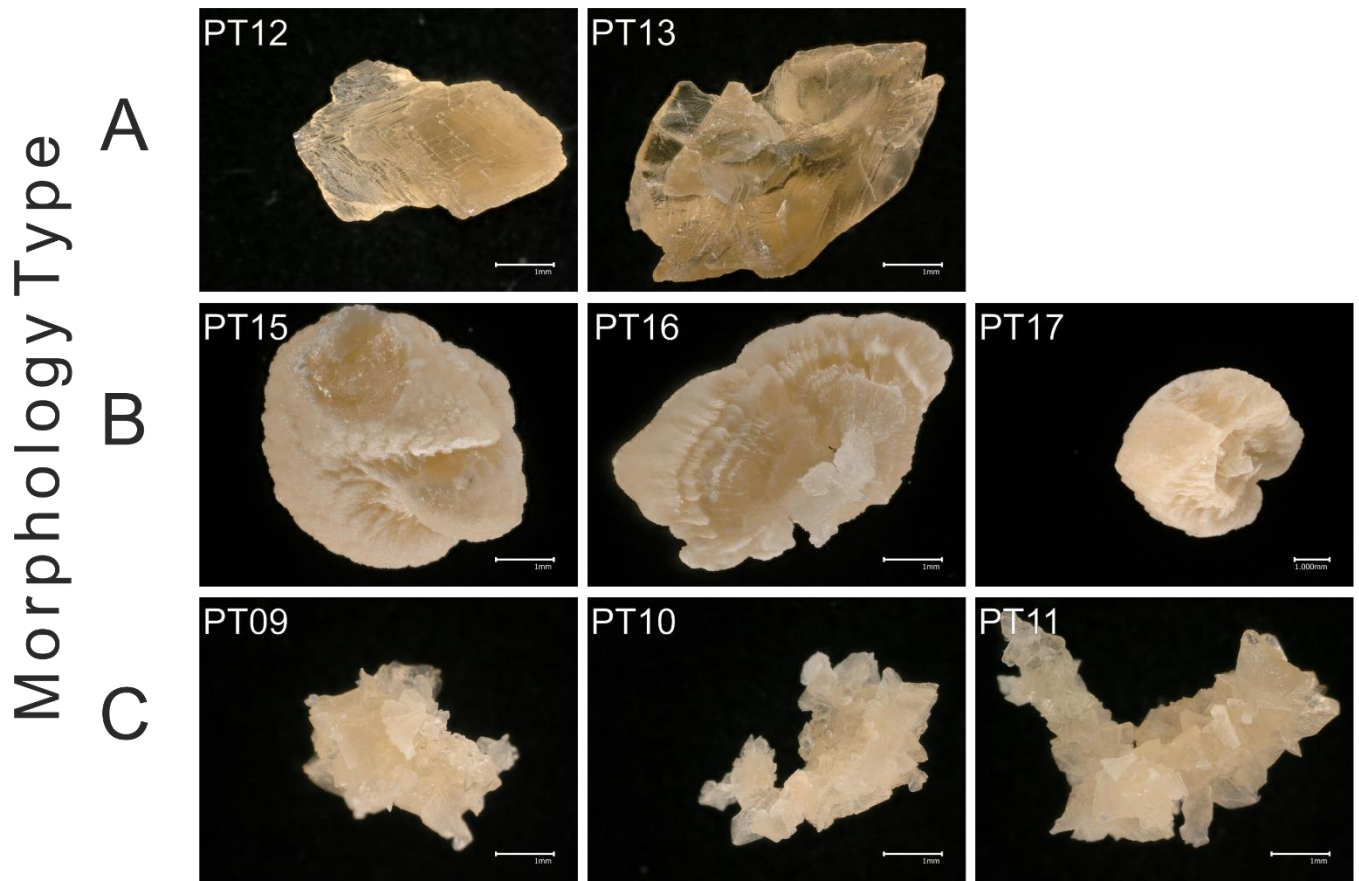


Figure S2

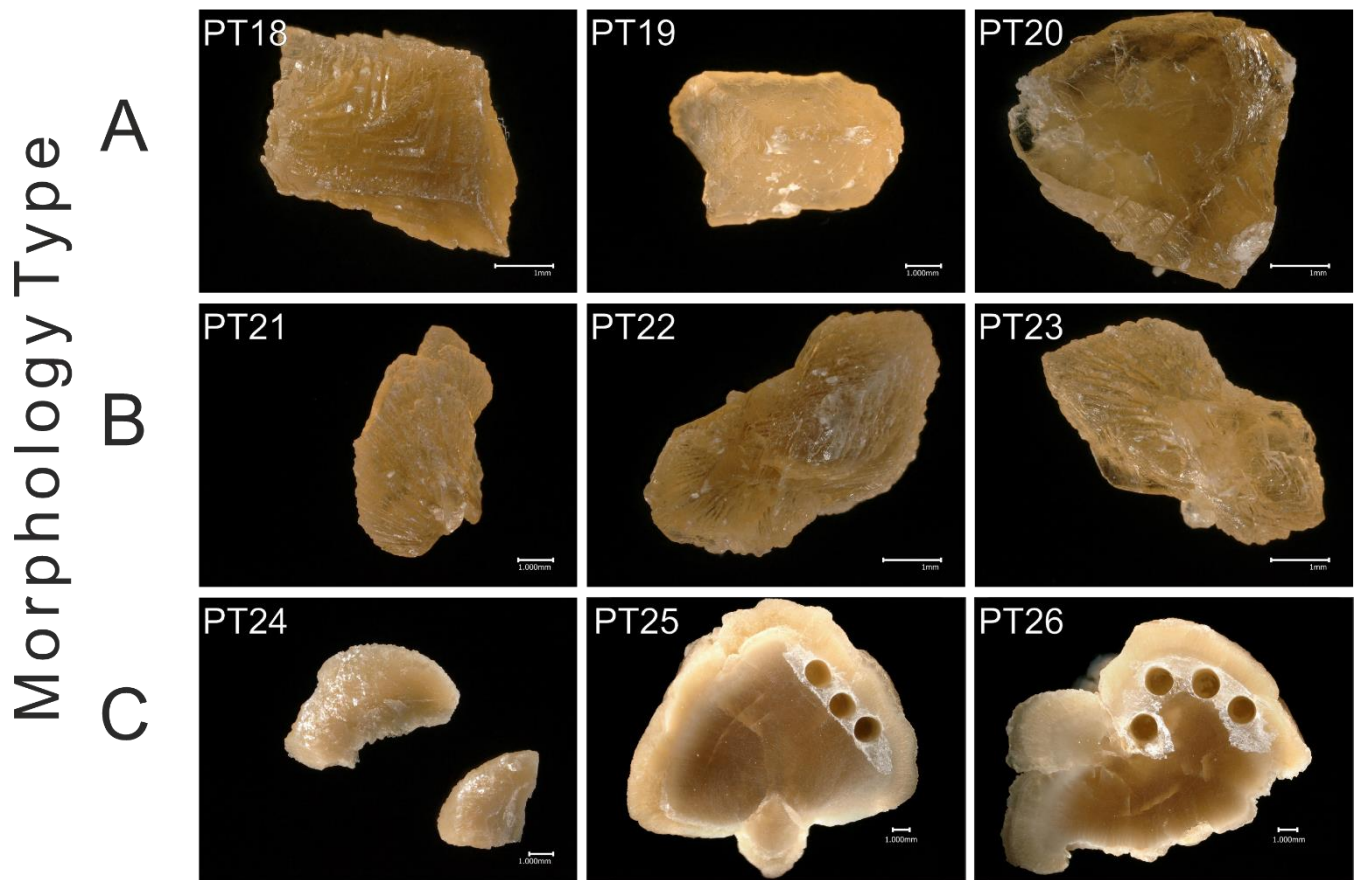


Figure S3

Table S1: Age and regression parameters of isochrons. Explanation of uncertainty ranges are given in the methods section of the main text.

ID	n	R ²	p	(²³⁰ Th/ ²³⁸ U)	δ ²³⁴ U ₀	(²³⁰ Th/ ²³² Th) ₀	Age [BCE]
r1.1	9	0.98	7.1 *10 ⁻⁶	0.1600 ±0.0031	509.9 ±1.8	2.7 ±0.2	12224 ±478
r1.2	8	0.997	5.0*10 ⁻⁸	0.1554 ±0.0010	507.6 ±1.2	3.4 ±0.1	11865 ±172
r2.1	6	0.98	6.0*10 ⁻⁴	0.2077 ±0.0007	1076.6 ±0.8	7.3 ±0.7	11524 ±85
r3.1	6	0.89	0.02	0.3783 ±0.0004	170.1 ±0.8	4.2 ±1.1	43065 ±139
r3.2	3	0.9991	0.03	0.3731 ±0.0004	169.14 ±0.04	5.4 ±0.2	42297 ±109