

**Table S1**

Microthermometric data from the western part of the Ornak Ridge, western part of the Polish Tatra Mts.

Western part of the Ornak Ridge				
Number of samples	$T_h$ [°C]	$T_m$ (Ice) [°C]	Salinity wt.% NaCl eq.	$T_c$ [°C]
<b>Baniste – secondary inclusions</b>				
TZ9_13	97.8			
TZ9_14	99.7			
TZ9_6	100.3			
TZ9_29	102.0			
TZ9_5	103.0			
TZ9_31	103.0			
TZ9_24	103.2			
TZ9_30	104.0			
TZ9_7	104.2			
TB1_1	104.3			
TZ9_12	105.0			
TZ9_23	105.0			
TZ9_18	106.0			
TZ9_17	108.0	-14.9	17.92	
TZ9_19	108.0			
TZ9_27	108.0			
TZ9_22	109.0			
TZ9_28	110.0			
TZ9_a	110.0	-17.7	20.43	
TZ9_26	110.7			
TB2_6	110.8	-8.7	11.71	
TZ9_20	111.8			
TZ9_25	112.0			
TB2_2	112.3	-7.6	10.49	-20.2
TZ9_21	113.3			
TB2_4	113.7			
TZ9_15	115.0			
TB2_1	115.2			
TZ9_8	115.7			
TB2_8	117.2			
<b>Baniste – primary inclusions</b>				
TB2_a	120.0	-0.2	0.0	
TZ9_b	120.0	-14.6	17.92	
TZ9_2	121.6	-5.9	7.85	
TZ9_3	122.4			
TZ9_11	124.1			
TZ9_9	125.0			
TB2_5	125.2			
TZ9_1	125.9	-4.2	6.43	
TB2_7	134.0			
TB2_3	134.7	-8.0	11.71	
TZ9_16	135.9	-10.1	13.99	
TZ9_4	140.7			
TZ9_10	153.0			
<b>Piekło Gully – secondary inclusions</b>				
PI20_4	96.7			
PI20_2	96.8			
PI20_3	109.0			
PI20_10	110.2			
PI20_5	112.9			
<b>Piekło Gully – primary inclusions</b>				
PI20_1	123.8			
PI20_c	125.4	-8.1	11.71	-18.0
PI20_b	130.0	-2.2	3.37	
PI20_d	131.3			
PI20_g	136.8			
PI20_7	146.6			
PI20_8	146.6			
PI20_9	163.0			
PI20_6	166.2			