

Table S4: Results of palynofacies analysis

Sample		Wood translucent	Wood opaque	Intertinite	Cuticles	Membranes	Bisaccates	Spores	AOM	TOC	d13Corg
QIA 160	321	300	8	2			1	4	6	1.347213	-27.4253
QIA 162	346	286	48			4		6	2	1.219552	-27.9481
QIA 161	0									3.085252	-25.9738
QIA 159	308	290	11						7	2.773256	-26.1969
QIA 163	327	294	13					9	11	3.163019	-25.145
QIA 164	315	269	17			1			28	3.300693	-27.2084
QIA 165	299	280	3						16	1.84011	-29.4427
QIA 166	316	267	11		1				37	1.529319	-30.6828
QIA 167	307	256	10	2		1			38		

Line	Sample name	Amount (ug)	Ampl45 mV	Area all	$\delta^{13}\text{C}$ measured ‰lab-CO2	TOC (wt.%)	d^{13}C ‰ VPDB	Comment	$\delta^{13}\text{C}$ accepted ‰ VPDB		
1	blank										
2	UNIL-Glycine	146	3460	88.058	-26.588			Calibration standard	-26.10		
3	UNIL-Glycine	106	2467	63.152	-26.606			Calibration standard	-26.10		
4	UNIL-Urea	160	2293	59.751	-43.896			Calibration standard	-43.96		
5	UNIL-Urea	175	2530	65.701	-43.999			Calibration standard	-43.96		
6	Graphite-24	47	7566	195.151	-17.22			Calibration standard	-16.05		
7	Pyridine	60	2580	65.965	-29.799			Calibration standard	-29.24		
8	QIA 159	2426	5114	131.34	-26.747	2.82	-26.12			2.77	-26.20
9	QIA 159	2064	4114	107.768	-26.898	2.73	-26.28				
10	QIA 160	1666	1551	42.474	-27.905	1.39	-27.33			1.35	-27.43
11	QIA 160	2332	2179	56.757	-28.092	1.30	-27.52				
12	QIA 161	1494	3409	86.778	-26.678	3.06	-26.06			3.09	-25.97
13	QIA 161	2351	5557	140.901	-26.513	3.11	-25.89				
14	QIA 162	2201	1921	49.626	-28.564	1.22	-28.02			1.22	-27.95
15	QIA 162	1454	1228	31.863	-28.416	1.22	-27.87				
16	QIA 163	1851	4648	116.777	-25.849	3.29	-25.21			3.16	-25.14
17	QIA 163	3017	6896	177.026	-25.721	3.03	-25.08				
18	QIA 164	1799	5099	129.206	-27.842	3.74	-27.29			3.30	-27.21
19	QIA 164	2987	6415	165.188	-27.69	2.86	-27.13				
20	QIA 165	1379	1829	47.678	-29.842	1.87	-29.37			1.84	-29.44
21	QIA 165	2346	3164	80.409	-29.983	1.81	-29.52				
22	QIA 166	1988	2029	53.402	-31.13	1.44	-30.71			1.53	-30.68
23	QIA 166	2976	3554	91.43	-31.074	1.61	-30.66				
32	UNIL-Glycine	132	3208	80.625	-26.578			Calibration standard	-26.10		
33	UNIL-Glycine	146	3549	88.832	-26.53			Calibration standard	-26.10		
34	UNIL-Urea	159	2310	59.399	-43.891			Calibration standard	-43.96		
35	UNIL-Urea	189	2803	71.724	-43.943			Calibration standard	-43.96		
36	Graphite-24	32	2236	57.102	-17.0956			Calibration standard	-16.05		
37	Pyridine	80	3584	90.136	-29.703			Calibration standard	-29.24		