Table 1: Hydrogen isotopes in lipid biomarkers from surface sediment samples from the Chinese Marginal Seas.

				Dinosterol			Brassicasterol			Fatty Acids					
Sample	lat(° N)	lon(°E)	*Salinity (‰)	mean δ^2H (‰ v SMOW)	SD	n	meanδ^2H (‰ v SMOW)	SD	n	meanδ^2H C16FA (‰ v SMOW)	SD	n	meanδ^2H C28FA (‰ v SMOW)	SD	n
B43	38.33	119.45	29.9	-292	4	3	-287	3	3	-193	5	5	-192	1	5
B67-SP	37.75	119.58	29.9	-289	4	3	-274	5	3	-203	1	4	-196	4	4
B67-SU	37.92	119.28	29.8	-308		1	-289	7	3	-190	3	4	-188	4	4
B71	37.75	120.11	30.3	-291	5	4	-292	3	3	-202	1	3	-188	4	3
B36	37.91	121.16	30.7	-303	2	3	-290	7	3	-177	2	4	-186	6	4
B25-SP	37.97	122.61	31.4	-290	6	3	-285	2	3	-177	5	3	-191	2	3
B25-SU	37.69	122.47	31.4	-285	2	3	-292	2	3	-178	3	4	-184	3	4
BF01-SP	37.39	122.93	31.7	-295	4	3	-282	3	3	-216	7	4	-180	1	2
BS5-SU	37.40	122.83	31.6	-291	3	5	-302	3	3	-184	6	3	-179	3	3
B04	36.81	122.60	31.7	-299	8	3	-299	6	3	-206	2	4	-181	6	4
H02	36.00	121.34	31.7	-305	2	3	-284	3	3	-179	1	3	-166	2	3
H24	34.00	123.08	31.8	-309	1	3	-290	2	3	-183	2	4	-165	2	4
H30	33.00	123.00	31.5	-303	0	2	-298	4	3	-190	9	3	-186	7	3
H07-SP	35.96	123.00	31.8	-282	3	3	-263	8	3	-182	1	4	-154	5	4
H07-SU	35.99	123.00	31.8	-297	6	3	-281	5	2	-175	3	4	-157	3	4
SYS600	34.77	119.65	31.7	-297	2	3	-299	2	3						
SYS454	34.38	120.55	31.7	-290	6	3	-282	1	3	-201	3	4	-191	4	4

YCB14-222	34.26	120.39	31.7	-310	9	3	-274	2	3	-216	2	4	-182	1	2
OYR0	34.10	120.20	31.7							-209	1	2	-187	3	3
OYR50	34.10	120.20	31.7							-218	3	3	-196	7	4
P01	31.02	122.27	30.8	-304	4	3	-314	4	3	-201	1	4	-183	4	4
W01	31.36	122.15	30.7	-302	2	2	-301	3	3	-182	3	4	-184	5	4
F10	31.27	126.04	33.3	-297	3	4	-279	4	4	-189	1	3	-160	1	3

*Average of observational salinity（ https://www.nodc.noaa.gov/OC5/woa09/）