

Table T8. Palynomorph data and remarks on dominant tree taxa, Hole M0028A. (See table notes.)

Core, section, interval (cm)	Depth (mbsf)	Nonsaccate arboreal pollen	Herbal pollen	Cyperaceae and poaceae pollen	Pollen spores	Fungal spores	Dinocysts	Foraminifer combined	All bisaccates (including reworked)	Nonsaccate arboreal pollen + herbal pollen	Dinocyst + foraminifer test linings	(Dinocysts + foraminifer test linings) / (nonsaccate arboreal pollen + herbal pollen)	Remarks
313-M0028A-													
2R-3, 30–32	226.63	96	6	8	0	0	7	2.3	52.5	102	9.3	0.0915	Hickory-oak forest
9R-CC	246.98	94	10	6	0	0	31	2.7	31	104	33.7	0.3237	High abundance of hickory pollen (>10%); hickory-oak forest
11R-CC, 10–12	254.18	95	12	8	0	0	14	0.3	62.5	107	14.3	0.1340	Very high abundance of hickory pollen, relatively low oak pollen content (considering the high pollen production of oaks)
27R-CC, 0–4	293.50	96	8	2	0	0	14	3.3	33	104	17.3	0.1667	High abundance of hickory pollen (>10%); hickory-oak forest
29R-CC, 14–16	299.72	105	5	2	0	0	41	6.3	75.5	110	47.3	0.4303	Hickory-oak forest
30R-CC	299.21	131	5	6	0	0	24	1.0	23	136	25.0	0.1838	High abundance of hickory pollen (>10%); hickory-oak forest
34R-CC	311.43	126	2	2	0	0	13	3.7	5.5	128	16.7	0.1302	High abundance of hickory pollen (>10%); hickory-oak forest
37R-CC	320.69	101	3	0	0	0	13	4.0	5.5	104	17.0	0.1635	Low abundances of hickory pollen, oak probably dominating hinterland vegetation
81R-CC, 9–11	423.08	99	3	2	0	0	27	12.7	44	102	39.7	0.3889	Hickory-oak forest
85R-CC, 6–7	436.75	104	7	0	0	0	33	10.7	43	111	43.7	0.3934	High abundance of hickory pollen (>10%); hickory-oak forest
91R-CC, 9–11	453.89	99	8	2	0	2	17	5.3	51.5	107	22.3	0.2087	High abundance of hickory pollen (>10%); hickory-oak forest
94R-CC	464.10	92	10	3	0	6	13	4.0	34.5	102	17.0	0.1667	Hickory-oak forest
97R-CC, 9–11	473.35	99	5	1	0	1	46	10.7	31	104	56.7	0.5449	Hickory-oak forest
100R-CC, 6–8	482.53	98	8	0	0	0	10	4.0	20	106	14.0	0.1320	Hickory-oak forest
102R-CC	487.68	98	9	1	0	0	31	4.0	14	107	35.0	0.3271	Hickory-oak forest
104R-CC	494.53	113	2	0	0	0	31	5.7	13.5	115	36.7	0.3188	High abundance of hickory pollen (>10%); hickory-oak forest
107R-CC	503.78	107	2	1	1	0	14	0.3	25	109	14.3	0.1315	High abundance of hickory pollen (>10%); hickory-oak forest
110R-CC	512.72	103	7	0	1	1	23	0.7	16	110	23.7	0.2151	High abundance of hickory pollen (>10%); hickory-oak forest, high relative abundances of elm pollen, correlative with Section 313-M0027A-105R-CC?
152R-CC, 151–153	613.54	96	9	1	0	1	34	17.7	148	105	51.7	0.4921	Hemlock-horizon, probably correlative with Section 313-M0027A-149R-CC!
155R-CC, 11–13	622.86	72	5	0	1	0	20	3.7	100.5	77	23.7	0.3074	Hemlock-horizon
167R-CC, 13–15	659.49	116	8	0	3	0	36	1.7	99	124	37.7	0.3038	Extremely high abundance of hickory pollen, relatively low oak pollen content (considering the high pollen production of oaks)
169R-CC, 16–18	664.50	105	2	0	0	1	10	0.3	25	107	10.3	0.0966	Hickory-oak forest
170R-CC, 6–8	668.63	110	1	0	0	5	18	0.3	49	111	18.3	0.1652	Hickory-oak forest

Notes: Remarks concerning nonsaccate pollen like “high percentages” are always in relation to the production and transport potential of the different pollen types.