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Supplement of

Where should we draw the lines between dinocyst “species”? Morphological continua in Black Sea dinocysts

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Sample code	Depth (mBSF)	Approx. age (kyrs) Van Baak et al. (2016)	EXPEDITION	SITE	HOLE	CORE	CORE_TYPE	SECTION	TOP_DEPTH (cm)	BOTTOM_DEPTH (cm)	DSDP sedimentary description (Shipboard scientific staff, 1978)
6-R-1-W	45.54	48	42	379	A	6	R	1	3	5.5	Clay
8-R-4-W	69	73	42	379	A	8	R	4	9	13	Sandy mud
11-R-3-W	95.72	121	42	379	A	11	R	3	21	23.5	Sandy Mud with nanno ooze
12-R-2-W	104.18	136	42	379	A	12	R	2	66.5	69	Sandy mud
13-R-6-W	120.41	160	42	379	A	13	R	6	100	102.5	Mud
14-R-6-W	129.032	173	42	379	A	14	R	6	131	133.5	Mud
16-R-4-W	145.17	197	42	379	A	16	R	4	65	68	Terrigenous mud
17-R-1-W	149.66	203	42	379	A	17	R	1	15	17	Terrigenous mud
18-R-2-W	160.94	220	42	379	A	18	R	2	43	45	Sandy mud
19-R-4-W	174.31	240	42	379	A	19	R	4	129.50	133	Sandy mud
20-R-3-W	181.98	251	42	379	A	20	R	3	90	92.5	Sandy mud
21-R-6-W	195.56	271	42	379	A	21	R	6	20	23	Sandy mud
25-R-3-W	229.91	326	42	379	A	25	R	3	140	142.5	Sandy Mud with diatom ooze
27-R-3-W	247.65	368	42	379	A	27	R	3	14	16.5	Sandy mud
28-R-4-W	259.42	395	42	379	A	28	R	4	41	43	Terrigenous mud
29-R-1-W	263.93	406	42	379	A	29	R	1	41	44	Calcareous mud
29-R-3-W	266.67	412	42	379	A	29	R	3	15	18	Calcareous mud
29-R-6-W	272.13	425	42	379	A	29	R	6	112	114.5	Calcareous mud
30-R-2-W	274.53	432	42	379	A	30	R	2	1.5	5	Terrigenous mud
31-R-1-W	283.22	454	42	379	A	31	R	1	71	73	Sandy mud
31-R-5-W	289.77	471	42	379	A	31	R	5	125	129.5	Sandy mud
34-R-2-W	313.76	533	42	379	A	34	R	2	85	87	Terrigenous mud
37-R-5-W	346.92	618	42	379	A	37	R	5	120.5	123	Mud
38-R-6-W	358.01	647	42	379	A	38	R	6	116	119	Mud
40-R-2-W	370.82	680	42	379	A	40	R	2	111	113.5	Mud
43-R-5-W	393.4	738	42	379	A	43	R	5	7	10	Mud
49-R-1-W	444.83	884	42	379	A	49	R	1	47.5	50	Mud with calcareous ooze
52-R-3-W	476.42	977	42	379	A	52	R	3	91	93.5	Mud
56-R-1-W	510.72	1040	42	379	A	56	R	1	20	23.5	Mud with calcareous ooze
58-R-4-W	534.74	1078	42	379	A	58	R	4	72	76	Clay with calcareous ooze
64-R-1-W	577.92	1132	42	379	A	64	R	1	90	94	Mud with calcareous ooze
67-R-6-W	614.14	1178	42	379	A	67	R	6	113.5	116	Mud with calcareous ooze