Site U1403, Table T4. Calcareous nannofossil distribution, Site U1403.

Core, section, interval (cm)	Depth (mbsf)	Nannofossil specialist	Zone/Subzone (Martini, 1971)	Nannofossil event	Age	Preservation	Abundance	*Biantholithus sparsus*	*Broinsonia parca constricta*	*Calcidiscus macintyrei*	Calcispheres	*Ceratolithoides kamptneri*	*Ceratolithus rugosus*	*Chiasmolithus danicus*	*Chiasmolithus gigas*	*Chiasmolithus grandis*	*Chiasmolithus oamaruensis*	*Chiasmolithus solitus*	*Coccolithus pelagicus*	*Cribrocorona gallica*	*Cruciplacolithus intermedius*	*Cruciplacolithus primus*	*Cruciplacolithus tenuis*	*Dictyococcites bisectus* (>10 µm)	*Discoaster barbadiensis*	*Discoaster brouweri*	*Discoaster diastypus*	*Discoaster lodoensis*	*Discoaster mohleri*	*Discoaster multiradiatus*	*Discoaster sublodoensis*	*Discoaster triradiatus*	*Ellipsolithus macellus*	*Emiliania huxleyi*	*Ericsonia robusta*	*Fasciculithus alanii*	*Fasciculithus magnus*	*Fasciculithus richardii*	*Fasciculithus* spp.	*Fasciculithus tympaniformis*	*Fasciculithus ulii*	*Gephyrocapsa* (>4 µm)	*Gephyrocapsa* (>5.5 µm)	*Girgisia gammation*	*Heliolithus cantabriae*	*Heliolithus kleinpellii*	*Isthmolithus recurvus*	*Lithraphidites quadratus*	*Micula murus*	*Micula prinsii*	*Nannotetrina alata*	*Nannotetrina cristata*	*Nannotetrina fulgens*	*Neobiscutum* spp.	*Neochiastozygus perfectus*	*Nephrolithus frequens*	*Prinsius tenuiculus*	*Pseudoemiliania lacunosa*	*Reinhardtites levis*	*Reticulofenestra asanoi*	*Reticulofenestra pseudoumbilicus*	*Reticulofenestra reticulata*	*Reticulofenestra umbilicus* (>14 µm)	*Rhomboaster bramlettei*	*Rhomboaster* spp.	*Sphenolithus anarrhopus*	*Sphenolithus furcatolithoides*	*Sphenolithus moriformis*	*Sphenolithus radians*	*Sphenolithus* spp.	*Toweius pertusus*	*Tranolithus orionatus*	*Tribrachiatus contortus*	*Tribrachiatus orthostylus*	*Uniplanarius trifidus*
342-U1403A-																																		?C																																									
1H-1, 45	0.45	PB	NN?21–NN20		Quaternary	M	A						1																													C	C																		2									1					
1H-1, 130	1.30	PB	upper NN19	T *P. lacunosa*	Quaternary	M	A																																			C																F		?F															
1H-2, 45	1.95	PB	lower NN19	T *C. macintyrei*	Quaternary	P–M	A			?R			R																													C	F																																
1H-2, 70	2.20	PB	NN18	?T *D. brouweri*	Quaternary	P	C			C			R													R						1																																											
1H-3, 70	3.70	PB	—		—	—	B																																																																				
1H-CC	5.80	CA	—		—	—	B																																																																				
2H-3, 70	3.70	PB	—		—	—	B																																																																				
2H-CC	15.72	PB	—		—	—	B																																																																				
3H-CC	25.14	PB	—		—	—	B																																																																				
4H-CC	34.29	PB	—		—	—	B																																																																				
5H-CC	43.79	PB	—		—	—	B																																																																				
6H-CC	53.64	PB	—		—	—	B																																																																				
7H-CC	63.34	PB	—		—	—	B																																																																				
8H-CC	72.96	PB	—		—	—	B																																																																				
9H-CC	81.77	PB	—		—	—	B																																																																				
10H-CC	91.88	PB	—		—	—	B																																																																				
11H-CC	101.10	PB	—		—	—	B																																																																				
12H-CC	110.84	CA	—		—	—	B																																																																				
13H-6, 25	117.93	PB	—		—	—	B																																																																				
13H-6, 100	118.68	PB	—		—	P	R																																												R																								
13H-7, 25	119.39	PB	NP14	?T *D. sublodoensis*	early/middle? Eocene	P–M	F									R			F						C			F			F																				R	R																F							
13H-CC	120.20	CA/PB	NP14		early/middle? Eocene	P	F									F			C						F			?R			F																				?1	F																F						?R	
14H-3, 30	123.09	PB	NP14		early/middle? Eocene	P–M	A									R		R	F						F			F			F																					F																R							
14H-6, 30	127.48	PB	NP14		early/middle? Eocene	P	R												F						F			R			R																					R																R							
15H-1, 39	129.69	CA/PB	NP14	B *N. cristata*	early/middle? Eocene	P–M	C									F			F						C			F			C																				?1	R																F							
14H-CC	129.74	CA	—		early Eocene	—	VR												F						C																																											R							
15H-2, 90	131.70	CA	NP14		early Eocene	P–M	A									R			F						C			F			C																																					F							
15H-4, 75	134.55	CA/PB	NP14	B *D. sublodoensis*	early Eocene	P–M	A									R			F						C			C			R													1																								F							
15H-5, 86	136.16	CA	NP13		early Eocene	P–M	A									R			F						C			C			VR																																					F							
15H-6, 84	137.64	CA	NP13		early Eocene	P	C									R			F						C			C																																								F							
15H-CC	138.38	CA/PB	NP13		early Eocene	P	C												F						F			C																																								R							
16H-2, 50	140.75	PB	NP13		early Eocene	P	A									F			C						C			C																																								F							
16H-CC	147.75	CA	NP13		early Eocene	P–M	A									F			C						C		R	C																																								R	R						
17H-CC	147.80	CA/PB	NP12	T *T. orthostylus*	early Eocene	P–M	A				F								C								R	R																?F																								F	F					F	
18X-1, 36	148.36	PB/CA	NP12		early Eocene	P–M	A				F								C									F																																								F	C					C	
18X-CC	148.76	CA/PB	NP12	B *D. lodoensis*	early Eocene	P	A												F								R	F																																								R	F					C	
19X-1, 46	156.46	CA	NP11		early Eocene	P	A				R								C								F			R			F																																			F	F		R			C	
19X-2,38	157.88	CA	NP11		early Eocene	M–P	A				R					F			C								F			VR			F																																			F	?R		F			C	
19X-3, 51	159.10	CA	NP11		early Eocene	P	F				VR								VR								R			VR																																						VR			VR			F	
19X-3, 38	159.38	CA	NP11		early Eocene	P	C–A				R								C								F			VR																																						F-C			R			C	
19X-4, 38	160.88	CA	NP10	T *T. contortus*	early Eocene	M	A				R								C								F			F																																		R	VR			F			F		C	?1	
19X-7, 38	165.18	CA	NP10		early Eocene	G	A				F								C						R		F			F			F																															R	R			F			F		R	R	
19X-CC	165.60	PB/CA	NP10	B *T. orthostylus*	early Eocene	G	A				F								C								F			C			F																															F	F			F			F		R	VR	
20X-1, 78	166.48	CA	NP10	B *T. contortus*	early Eocene	G	A												C								R			C																																		F	VR			C			C		R		
20X-2, 10	167.30	CA	NP10		early Eocene	M–G	A				R							F	C								F			F																																		F	R			C			C			1	
20X-4, 78	170.98	CA	NP10		early Eocene	M–G	A											F	C								F			C																																		F				C			C		?1		
20X-CC	175.42	PB	NP10		early Eocene	M–G	A				F							F	C								F			F																																		R	F			F			C				
21X-1, 28	175.68	PB	NP10		early Eocene	G	A				F							F	A								R			C																																			F			F			C				
21X-1, 88	176.28	PB	NP10		early Eocene	P–M	F											F	C								R			C																																			F			F							
21X-2, 28	177.18	PB/CA	NP10	B *R. bramlettei*; B *D. diastypus*	early Eocene	P	F											R	C								R			C																																		F	F			R							
21X-2, 88	177.78	PB	NP9b		early Eocene	M–G	A				F							R	A											C																																			F			F			C				
21X-3, 28	178.68	PB/CA	NP9b	T *Fasciculithus* spp.	early Eocene	M	A											F	A											F									R	R																									R			F			F				
21X-3, 88	179.28	PB	NP9b		early Eocene	P	F											F	F											C									R	R																												F							
21X-4, 28	180.18	PB	NP9b		early Eocene	M–G	A				F							F	A											C									R	F																												F							
21X-4, 88	180.78	PB	PETM		PETM	M–G	A				F							F	A											C									F	F																									R			F							
21X-4, base	181.30	PB	PETM		PETM	P–M	A				F								C											F									C	F																									F										
21X-4, 148	181.38	CA	PETM		PETM	P–M	A												C											F									F																										R										
21X-5, 28	181.68	PB/CA	NP9b	B *Rhomboaster* spp.	PETM	P–M	R												R											R									R																										R										
21X-5, 83	182.23	CA	—		—	—	B																																																																				
21X-5, 88	182.88	PB	—		—	—	B																																																																				
21X-6, 31	183.21	PB	—		—	—	B																																																																				
21X-6, 91	183.81	PB	—		—	—	B																																																																				
21X-7, 32	184.22	PB	—		—	—	B																																																																				
21X-7, 90	184.80	PB	—		—	—	B																																																																				
21X-CC	185.11	PB	—		—	—	B																																																																				
22X-1, 28	185.38	PB	—		—	—	B																																																																				
22X-1, 101	186.11	PB	—		—	—	B																																																																				
22X-2, 73	187.33	CA	—		—	—	B																																																																				
22X-3, 71	188.31	CA	—		—	—	B																																																																				
22X-CC	188.66	PB	—		—	—	B																																																																				
23X-4, 139	200.59	PB	NP4		early Paleocene	M	A												C				C																																																				
23X-CC	204.29	PB	NP4	B *E. macellus*	early Paleocene	M	A				R			?R					C		R		C										1																																						F				
24X-CC	204.77	PB	NP4		early Paleocene	P–M	A							F					A		F		C																																																				
25-1, 115	210.85	CA/PB	NP4	B *F. magnus*/*F. magnicordis*; B *C. tenuis*	early Paleocene	M	A												A		F		F														F																																						
26X-1, 20	214.70	PB	NP3		early Paleocene	M	A				R								C		C																																				A																		
26X-2, 20	216.20	PB	NP3	B *P. tenuis.*; *C. pelagicus*	early Paleocene	M	A				C								A		C	A																																			C																		
25-5, 75	216.45	CA	NP3		early Paleocene	M	A												C		R																																																						
25X-CC	218.30	CA/PB	NP3	B *C. danicus*	early Paleocene	M	A				R			F					C		R																																				A																		
26X-3, 84	218.34	PB	NP2	B *C. intermedius*	early Paleocene	M–G	C				C										C	C																																																					
26X-4, 74	219.74	PB	NP1	B *C. primus*	early Paleocene	M–G	A				A											C																																																					
26X-5, 3	220.53	PB	NP1		early Paleocene	M–G	C				A																																											A																					
26X-5, 5	220.55	PB	NP1		early Paleocene	M–G	C				A																																																																
26X-5, 9	220.59	PB	NP1		early Paleocene	M–G	C				A																																																																
26X-5, 9	220.59	PB	NP1	B *B. sparsus*; Ba calcispheres	early Paleocene			R			A																																																																
26X-5, 13	220.63	PB	UC20d	T *M. prinsii*	Maastrichtian	M–G	A													F																													F	F																									
26X-5, 20	220.63	PB	UC20d		late Maastrichtian	M–G	A													C																												F	F	F						F																			
26X-CC	224.16	CA/PB	UC20d	B *M. prinsii*	Maastrichtian	M	A													F																												R	F	F																									
342-U1403B-					Maastrichtian																																																																						
28X-5, 50	223.1	PB	UC20c	B *C. kamptneri*	late Maastrichtian							F								F																													C	?																									
28X-CC	224.42	PB	UC20b		Maastrichtian	M	A													F																												R	F																										
29X-CC	234.63	PB	UC20b		Maastrichtian	M	A													F																													F																										
30X-3, 45		PB	UC20b		Maastrichtian	M	A													R																													?R																										
30X-4, 40	240.9	PB	UC20b	B *M. murus*	Maastrichtian	M	A																																										F																										
30X-CC	241.59	PB	UC19–UC20a		Maastrichtian	M–G	A																																																																				
31X-2, 61	247.81	PB	UC19–UC20a		Maastrichtian	M	A																																																																				
31X-3, 52	249.22	PB	UC17–UC18	T *R. levis*	Maastrichtian	M	A																																																				F																
31X-4, 18	250.38	PB	UC15d–UC16	T *B. parca constricta*, *U. trifidus*, *R. levis*	late Campanian	P–M	A		F																																																		F																C
31X-CC	251.87	PB	UC15d–UC16		late Campanian	P–M	A		F																																																		F													?1			C
32X-3, 28	258.68	PB	UC15d–UC16	B *U. trifidus*	late Campanian	M	A		F																																																		R																F
32X-CC		PB	—		—	—	?B		1																																																																		

Preservation: G = good, M = moderate, P = poor. Abundance: A = abundant, C = common, F = few, R = rare, B = barren, VR = very rare. PB = Paul Bown, CA = Claudia Agnini. PETM = Paleocene/Eocene Thermal Maximum. T = top, B = base, Ba = base of acme. — = not assigned. See "Biostratigraphy" in the "Methods" chapter (Norris et al., 2014b) for preservation and abundance definitions.