Table T4. Distribution of Miocene–upper Eocene planktonic foraminifers, Holes 1218A and 1218B. (See table notes. Continued on next three pages.)

Core, section, interval (cm)	Depth (mbsf)	Zone/ Subzone	Preservation	Group abundance	*Catapsydrax dissimilis ciperoensis*	*Catapsydrax dissimilis*	*Catapsydrax unicavus*	*Chiloguembelina cubensis*	*Dentoglobigerina yeguaensis*	*Dentoglobigerina altispira*	*Dentoglobigerina baroemoenensis*	*Dentoglobigerina galavisi*	*Dentoglobigerina globularis*	*Globigerina ciperoensis*	*Globigerina praebulloides*	*Globigerinella praesiphonifera*	*Globigerinoides primordius*	*Globigerinoides trilobus*	*Globoquadrina binaiensis*	*Globoquadrina dehiscens*	*Globoquadrina praedehiscens*	*Globoquadrina prasaepis*	*Globoquadrina sellii*	*Globoquadrina tapuriensis*	*Globoquadrina tripartita*	*Globoquadrina venezuelana*	*Globorotaloides* sp.	*Globorotaloides suteri*	*Paragloborotalia continuosa*	*Paragloborotalia kugleri*	*Paragloborotalia mayeri*	*Paragloborotalia nana*	*Paragloborotalia opima opima*	*Paragloborotalia pseudokugleri*	*Paragloborotalia siakensis*	*Subbotina angiporoides*	*Subbotina euapertura*	*Subbotina gortanii*	*Subbotina praeturritilina*	*Subbotina utilisindex*	*Tenuitella clemenciae*	*Tenuitella gemma*	*Tenuitellinata angustiumbilicata*	*Turborotalia ampliapertura*	Comments
199-1218A-																																													
1H-CC, 5–15	8.16			B																																									
2H-CC, 9–14	17.95			B																																									
3H-CC, 22–27	27.76			B																																									
4H-6, 134–136	36.04	Not zoned		B																																									
4H-CC, 18–23	37.03			B																																									
5H-6, 7–9	44.27			B																																									
5H-CC, 19–24	46.35		P	R																									R		R				P*											
6H-5, 141–143	53.61			B																																									
6H-6, 94–96	54.64			B																																									
6H-7, 39–41	55.09		P	R	R																				P*	R		R																	
6H-CC, 0–5	55.32		P	R			R																			R			R		R														
7H-1, 110–115	56.80		M	C	P*					F	F		F						R		F		F					R			R				F										
7H-2, 110–115	58.30		M	C	R					F	F		R				R				F				F	A		R			A				A								P*		
7H-3, 110–115	59.80	M2/3	M	C	R						R					P*					F		F			A		R	R		A														
7H-4, 110–115	61.30		P	T																											R														
7H-5, 110–115	62.80			B																																									
7H-6, 110–115	64.30		P	F	R		R			P*											F		F			A		R			F				R										
7H-CC, 19–24	65.70		P	F	R		R																			R					R														
8H-2, 110–114	67.80		M	C	R		R			P*						R	P*		R	R	F		R			A		P*	R	R	A				P*								R		
8H-3, 110–114	69.30	M1b	P	F																P*	F					F			R		F							P*							
8H-4, 110–114	70.80		P	R	F															R	F					F					F														
8H-5, 110–114	72.30		M	F	F						R				R	P*				R	F		R			F		P*	P*	R	A			R	P*							P*		
8H-6, 60–62	73.30		M	C	R														P*		F		F			A				F	A			R	F							F		
8H-CC, 14–19	74.13		M	F		F	F																P*			F			F	F	F			R										
9H-5, 110–112	81.80	M1a	P	R			R																			R					R														
9H-CC, 14–19	84.68		P	R		R	R																			P*			R	R				R										
10H-1, 74–75	84.94		M	F																										R	R														
10H-1, 130–132	85.50		M	F		R																						R	R	R	R														
10H-2, 120–122	86.90			B																																									
10H-3, 120–122	88.40			B																																									
10H-CC, 13–18	93.86			B																																									
11H-1, 2–7	93.72		P	T		P*	P*																			R		P*																	
11H-2, 10–15	95.30		P	T		P*																																							
11H-3, 10–15	96.80		P	T																						P*																			
11H-4, 58–63	98.78		P	T		R	P*																					P*																	
11H-5, 38–43	100.08		P	F		R	R																		R	R		R			R			R								R		
11H-6, 38–43	101.58		P	F	R	R																	R			R		R			R														

Table T4 (continued).

Core, section, interval (cm)	Depth (mbsf)	Zone/ Subzone	Preservation	Group abundance	*Catapsydrax dissimilis ciperoensis*	*Catapsydrax dissimilis*	*Catapsydrax unicavus*	*Chiloguembelina cubensis*	*Dentoglobigerina yeguaensis*	*Dentoglobigerina altispira*	*Dentoglobigerina baroemoenensis*	*Dentoglobigerina galavisi*	*Dentoglobigerina globularis*	*Globigerina ciperoensis*	*Globigerina praebulloides*	*Globigerinella praesiphonifera*	*Globigerinoides primordius*	*Globigerinoides trilobus*	*Globoquadrina binaiensis*	*Globoquadrina dehiscens*	*Globoquadrina praedehiscens*	*Globoquadrina prasaepis*	*Globoquadrina sellii*	*Globoquadrina tapuriensis*	*Globoquadrina tripartita*	*Globoquadrina venezuelana*	*Globorotaloides* sp.	*Globorotaloides suteri*	*Paragloborotalia continuosa*	*Paragloborotalia kugleri*	*Paragloborotalia mayeri*	*Paragloborotalia nana*	*Paragloborotalia opima opima*	*Paragloborotalia pseudokugleri*	*Paragloborotalia siakensis*	*Subbotina angiporoides*	*Subbotina euapertura*	*Subbotina gortanii*	*Subbotina praeturritilina*	*Subbotina utilisindex*	*Tenuitella clemenciae*	*Tenuitella gemma*	*Tenuitellinata angustiumbilicata*	*Turborotalia ampliapertura*	Comments
11H-CC, 19–24	103.72			B																																										
12H-1, 142–147	104.62		P	F	F																					R		F			R													P*		
12H-2, 118–122	105.88		M	F		A	R						F											P*				A			F			R				P*						F		
12H-4, 59–64	108.29		P	R		F	P*																			P*		R																		
12H-5, 120–125	110.40	P22	M	C	R	R			R					R	R										R	R		R			R															
12H-6, 129–134	111.99		P	F	R	F	R																		R			R																		
12H-7, 37–42	112.57		P	T	R	F																			R			R																		
12H-CC, 0–5	112.81		P	T	R	F																			R			R																		
13H-1, 9–11	112.79		P	T	P*	P*																						P*																		
13H-2, 103–105	115.23			B																																										
13H-3, 122–124	116.92			B																																										
13H-4, 122–124	118.42			B																																										
13H-5, 122–124	119.92			B																																										
13H-6, 120–122	121.40		P	T																																										
13H-7, 60–62	122.30		P	F	F	F									P*									R	P*			F				F														
13H-CC, 22–27	122.76		P	R		F																						F																		
14H-1, 27–32	122.47		P	R	R	R																		P*		P*		R			P*	P*														
14H-2, 32–37	124.02		M	F		A																				P*	P*				F	F												P*		
14H-3, 31–36	125.51		P	F	F																			R			P*	F			R															
14H-4, 31–36	127.01		M	F	A				R															F	F		P*	F			F	F												F		
14H-5, 32–37	128.52		M	F	A	F																				R		F			F		R													
14H-6, 32–37	130.02		M	C	R																			F	F			F			F		F													
14H-7, 32–37	131.52		M	F	F	F																		R		F		R				R	R													
14H-CC, 0–10	131.67		M	F		F																						F			F	F	F											F		
15H-1, 50–52	132.20		M	C	R	R			R													R		P*		P*		R			F	F	F				R		R			R		R		
15H-3, 50–52	135.20		M	C	F	F																R		F				F			R	F	F				R		R			P*		R		
15H-5, 50–52	138.20	P21b	M	C	A	F																			R	R		R				F	A				F					R		R		
15H-7, 50–52	141.20		M	C	A				F													F	P*	F	F	R		R			R	P*	D				F	P*						P*		
15H-CC, 19–24	141.82		M	F		F			R															R								R	R				F									
16H-1, 117–122	142.37		G	C	A	F			F													F		F	F		R	R			R		F				R					R		P*		
16H-3, 118–123	145.38		M	C	R	R			F													F		F	F			R					A				F							F		
16H-5, 118–123	148.38		P	F		R																											A				F							P*		
16H-7, 39–44	150.59		G	C	A	R			F													R	R	F	F								A					R			R	R	R		
16H-CC, 0–3	150.80		M	C		R		R	R													R		R				R									R				R		R		
17H-1, 117–121	151.87		M	C	F	R	F	R	F													F					R	R					A				R				R		R		
17H-3, 117–122	154.87																																													
17H-5, 117–122	157.87		M	C	F			R														F						R			P*		A				F				R		R		
17H-7, 60–65	160.32	P20/21a																																												
17H-CC, 20–25	160.79		M	F		F			F													F		F	P*						P*	F	F					P*				P*			
18H-1, 98–103	161.18																																													

Table T4 (continued).

Core, section, interval (cm)	Depth (mbsf)	Zone/ Subzone	Preservation	Group abundance	*Catapsydrax dissimilis ciperoensis*	*Catapsydrax dissimilis*	*Catapsydrax unicavus*	*Chiloguembelina cubensis*	*Dentoglobigerina yeguaensis*	*Dentoglobigerina altispira*	*Dentoglobigerina baroemoenensis*	*Dentoglobigerina galavisi*	*Dentoglobigerina globularis*	*Globigerina ciperoensis*	*Globigerina praebulloides*	*Globigerinella praesiphonifera*	*Globigerinoides primordius*	*Globigerinoides trilobus*	*Globoquadrina binaiensis*	*Globoquadrina dehiscens*	*Globoquadrina praedehiscens*	*Globoquadrina prasaepis*	*Globoquadrina sellii*	*Globoquadrina tapuriensis*	*Globoquadrina tripartita*	*Globoquadrina venezuelana*	*Globorotaloides* sp.	*Globorotaloides suteri*	*Paragloborotalia continuosa*	*Paragloborotalia kugleri*	*Paragloborotalia mayeri*	*Paragloborotalia nana*	*Paragloborotalia opima opima*	*Paragloborotalia pseudokugleri*	*Paragloborotalia siakensis*	*Subbotina angiporoides*	*Subbotina euapertura*	*Subbotina gortanii*	*Subbotina praeturritilina*	*Subbotina utilisindex*	*Tenuitella clemenciae*	*Tenuitella gemma*	*Tenuitellinata angustiumbilicata*	*Turborotalia ampliapertura*	Comments
18H-2, 98–103	162.68			B																																										
18H-3, 98–103	164.18		P	F		R	R		F																			F					F				R				R	R				
18H-4, 98–103	165.68		P	R			F																										A				R									
18H-5, 98–103	167.10		M	C	R	R	R		F													F						F					A				F				R		R	R	
18H-6, 98–103	168.60			B																																									
18H-7, 18–23	169.30		P	F			F															F											A											P*	
18H-CC, 12–17	169.66		P	F		F																		R		F		F				F					R							R	
19H-1, 100–105	170.70		P	R			P*																														P*								
19H-2, 100–105	172.20		P	R			P*																														P*								
19H-3, 100–105	173.70		P	R			R																										P*												Reworked *P. opima*
19H-4, 100–105	175.20		P	F	R	P*	R																		P*			P*				R					R								
19H-5, 100–105	176.70			B																																									
19H-6, 100–105	178.20			B																																									
19H-7, 39–44	179.09			B																																									
19H-CC, 22–27	179.78		P	R		F																						F										P*			R				
20H-1, 100–104	180.20		P	R		P*	P*																									P*												P*	
20H-2, 100–104	181.70		P	T		P*	P*																					P*																	
20H-3, 50–56	182.70	P19/18	P	R		P*																																							
20H-4, 60–65	184.30		P	R		R																						R																	
20H-5, 130–135	186.50		P	R	R	R																			R			R				R										R			
20H-6, 100–105	187.70		P	R		R																			R			R				R													
20H-CC, 0–5	188.47		P	R		R																		R																R	R				
21X-CC, 0–3	188.70		P	R																					R							R													
22X-1, 40–45	196.30		P	R		F						R										R											F*			F				F	R				
22X-2, 28–32	197.68		P	R	F	F						R										R		R	F								F*							R		R		R	
22X-3, 80–85	199.70		P	R		R						R																																R	
22X-4, 128–133	201.68		P	R		R																						R																	
22X-5, 76–81	202.66		P	R		R						R										R			R	R																			
22X-6, 7–12	202.97			B																																									
22X-CC, 10–15	203.58		P	R		R																										R					R			R				R	
23X-1, 49–51	205.99			B																																									
23X-2, 106–108	208.06		P	R			R	P*														R			R							F				R				R				F	
23X-3, 115–117	209.65		P	R									P*									R		R	R							R								P*					
23X-4, 45–47	210.45		P	R		F																			P*			P*								P*								P*	
23X-5, 22–24	211.72			B																																									
23X-6, 14–16	213.14		P	R								R																								R				R					
23X-CC, 37–42	215.34		P	R		F																		R								F	F*											R	
24X-1, 18–20	215.28			B																																									
24X-2, 11–14	216.29			B																																									

Table T4 (continued).

Core, section, interval (cm)	Depth (mbsf)	Zone/ Subzone	Preservation	Group abundance	*Catapsydrax dissimilis ciperoensis*	*Catapsydrax dissimilis*	*Catapsydrax unicavus*	*Chiloguembelina cubensis*	*Dentoglobigerina yeguaensis*	*Dentoglobigerina altispira*	*Dentoglobigerina baroemoenensis*	*Dentoglobigerina galavisi*	*Dentoglobigerina globularis*	*Globigerina ciperoensis*	*Globigerina praebulloides*	*Globigerinella praesiphonifera*	*Globigerinoides primordius*	*Globigerinoides trilobus*	*Globoquadrina binaiensis*	*Globoquadrina dehiscens*	*Globoquadrina praedehiscens*	*Globoquadrina prasaepis*	*Globoquadrina sellii*	*Globoquadrina tapuriensis*	*Globoquadrina tripartita*	*Globoquadrina venezuelana*	*Globorotaloides* sp.	*Globorotaloides suteri*	*Paragloborotalia continuosa*	*Paragloborotalia kugleri*	*Paragloborotalia mayeri*	*Paragloborotalia nana*	*Paragloborotalia opima opima*	*Paragloborotalia pseudokugleri*	*Paragloborotalia siakensis*	*Subbotina angiporoides*	*Subbotina euapertura*	*Subbotina gortanii*	*Subbotina praeturritilina*	*Subbotina utilisindex*	*Tenuitella clemenciae*	*Tenuitella gemma*	*Tenuitellinata angustiumbilicata*	*Turborotalia ampliapertura*	Comments
24X-2, 37–39	216.55			B																																									
24X-2, 83–85	217.01			B																																									
24X-3, 131–133	219.01			B																																									
24X-4, 18–20	219.38			B																																									
24X-4, 109–111	220.29			B																																									
24X-4, 127–129	220.47			B																																									
24X-5, 73–75	221.43			B																																									
24X-5, 85–87	221.55			B																																									
24X-5, 143–145	222.13			B																																									
24X-6, 96–98	223.16			B																																									
24X-7, 37–39	224.07			B																																									
24X-CC, 27–32	224.87			B																																									
199-1218B-																																													
9H-3, 63–65	74.03		M	C				P*													R		F			F				A	F												F		
9H-4, 63–65	75.53	M1b	M	C												F		R		F	R					F			R	F	F									R		R			
9H-5, 63–65	77.03		M	F	R																		R	R	R	F			R		R			R											
9H-6, 63–65	78.53		P																																										
9H-7, 63–65	80.01	M1a	P	F										R							R					R			R		R														
10H-3, 125–127	84.15		M	R	R																R	F			P*	R			R		R			P*	R							P*			
10H-4, 125–127	85.65		M	F	A																				R			R	F	A					A					R					
10H-5, 125–127	87.15		P	R	R																R			R	R	R														R					
10H-6, 125–127	88.65		P	R	R																				R			R																	
10H-7, 39–41	89.24	P22		B																																									
11H-2, 120–122	92.10			B																																									
11H-3, 41–43	92.81			B																																									
11H-4, 41–43	94.31			B																																									

Notes: Preservation: G = good, M = moderate, P = poor. Group abundance: A = abundant, C = common, F = few, R = rare, T = trace (a single specimen was found), B = barren, F* = the presence of specimens referable to *Paragloborotalia opima opima* with a much earlier first occurrence than typical for this species at other sites, P* = the presence of one or two individuals in a given sample.