Table T1. Distribution of planktonic foraminifers, Site 1143 (Miocene). (See table notes. Continued on next two pages.)

Foraminifer zone	Core, section, interval (cm)	Average sample depth (mbsf)	Average sample depth (mcd)	Preservation	*Beella praedigitata*	*Candeina nitida*	*Dentoglobigerina altispira*	*Globigerina bulloides*	*Globigerina falconensis*	*Globigerinella aequilateralis*	*Globigerinella obesa*	*Globigerinita glutinata*	*Globigerinoides conglobatus*	*Globigerinoides extremus*	*Globigerinoides obliquus*	*Globigerinoides ruber*	*Globigerinoides sacculifer*	*Globigerinoides trilobus*	*Globoquadrina baroemoenensis*	*Globoquadrina dehiscens*	*Globoquadrina venezuelana*	*Globorotalia cibaoensis*	*Globorotalia conoidea*	*Globorotalia juanai*	*Globorotalia lenguaensis*	*Globorotalia limbata*	*Globorotalia margaritae*	*Globorotalia menardii*	*Globorotalia merotumida*	*Globorotalia plesiotumida*	*Globorotalia praemenardii*	*Globorotalia scitula*	*Globorotalia tumida*	*Globoturborotalita apertura*	*Globoturborotalita decoraperta*	*Globoturborotalita nepenthes*	*Globoturborotalita woodi*	*Neogloboquadrina acostaensis*	*Neogloboquadrina continuosa*	*Neogloboquadrina humerosa*	*Neogloboquadrina pachyderma*	*Orbulina bilobata*	*Orbulina suturalis*	*Orbulina universa*	*Paragloborotalia mayeri*	*Pulleniatina primalis*	*Sphaeroidinella dehiscens*	*Sphaeroidinellopsis kochi*	*Sphaeroidinellopsis paenedehiscens*	*Sphaeroidinellopsis seminulina*	Comments
	184-1143A-																																																				
	20H-1, 115–117	175.06	182.91	P						P		P		R	P		F										R		P		P	R				P	P		P				P		R	P	R		R		
	20H-3, 115–117	178.06	185.91	P			R	P		P				R	P		R						R			P	R		P			R				P			R				R		R	P	R	R	F		
	20H-5, 115–117	181.06	188.91	P			R	R		P				R	R		R		P				P				R	P	P			R				P	P	R		R				R		R	P	F	P	F		
	21H-1, 115–117	184.56	194.68	P			R	R	P	P		P		R	R		F						P			P	R		P			F	P			R	P			R				F		R	P	R	P	F		
	21H-3, 115–117	187.56	197.68	G			R			P		R		R	A		P									P	R	P	P		P					P	R	P		F		P		R		P	P	R	R	A		
	21H-5, 86–88	190.27	200.39	G			A	P		P	P	F		F	F		P										R	P	P		P	P				R	R	F		P		P		F				F	P	F		
N19	22X-1, 115–117	191.56	202.26	G			F	P		P		F		R	F		A									P	P		P			R				R	R	F		P		P		F				F	P	A		
	22X-3, 115–117	194.56	205.26	G		P	R			P	P	R		F	F		A									P	A	P	F		P	F				P	P	P		R		P		F		F		F	P	A		
	23X-1, 115–117	199.16	209.66	G			P	P		P				P	P		P				P			P				P								P	P	P		P				P		P		P		P	1	
	23X-3, 115–117	202.16	212.66	G			A			P	P	R		R	F		F									R		F	R	R						P	P	P		R			P	F				F	R	A		
	23X-CC, 22–29	202.46	212.96	G			R	P		R		P	P	R	F		F					P					P	F		R						P	P	R		R		P		F		R	P	R	P	A		
	24X-1, 115–117	203.16	213.60	G		P	A	P		P		F		R	F		A									R		R	P	R		P				P	F	P			P	P		F		R	P	R	R	F		
	24X-3, 115–117	206.16	216.60	G		P	R	P		R		P		F	A		A					P	P				P	F	P	P			R			P	P			R		P		F				F	R	R		
	24X-5, 115–117	209.16	219.60	P		P	R							R	R		F					P	P									R						P		R				R		R		F	R	A	2	
N18	24X-CC, 31–40	211.68	222.12	G		P	R				P	P	P	R	F		A											F	P	P		R				P	R	R		P		P		F		P		R	P	F		
	25X-1, 115–117	212.76	221.48	G	P	P	R					R	P	R	F		F					P	P	P				R	P			R				P	R	F		P	P	P		R				R	R	R		
	25X-CC, 26–33	215.35	224.07	G		P				P		R		A	A		A					P	P	R				F		P		F		P	P	R	R		R		P		R		P		R	R	R		
	26X-1, 115–117	222.36	232.52	VG		P				P		P		F	F		F					P		P				R	P	P		P		P	P	R	R	R		R	P	P		F		R		F	R	F		
N17b	26X-3, 115–117	225.36	235.52	G				P		P		F		R	F		A									P		P	R	P						R	F	R		P		P		F		P		A		A		
	26X-5, 115–117	228.36	238.52	VG			R					P		R	F		F											P	R	R						R	F	R				R		F		R		R	F	F		
	26X-CC, 41–48	230.89	241.05	G		P	R			P	P	R	R	R	F		F											P	P	P				R		R	F	R	R	R	P	R		F		P		F	R	F		
	27X-1, 115–117	231.96	241.74	P			P					P		R	R														P	P						P		P		P	P			P					P	P	2	
	27X-CC, 22–29	234.21	243.99	P		P	P										P											P	P								P	P						P					P	P	2	
	28X-1, 115–117	241.56	251.88	P		P	F					P	P	P	R		F					P		P				R	R	R		P				R	R	F		P	P		P	F			F	P	F	2	
	28X-3, 115–117	244.56	254.88	G		P	F						P	R	F		A							P				R	F	P		P						A		F		P		A				R	R	F		
	28X-5, 115–117	247.56	257.88	G			F						P	R	A		A											P	P	P		P				P	R	A		F		P		F				P		F		
	28X-CC, 28–35	248.98	259.30	G			R					P		R	A		A											R	P	P		P				P	R	A		R		R		F				P	R	F		
	29X-1, 115–117	251.16	260.58	G		P	A					P		R	A		A	P			P	P						R	P	R				P	P	R	R	F		F		P	R	F				R	P	F		
	29X-3, 117–119	254.18	263.60	P			P					P			P		P												P							P	P	P						P				P		P	2	
N17a	29X-5, 115–117	257.16	266.58	G			F							R	F		A											R	R	P		P		P		R	F	F		P		P	P	R				R		A		
	30X-1, 115–117	260.76	270.70	G		P	R	P		P		R		F	A		A				P	P		P				R	R	F						R	P	R		R		P		F				P	P	R		
	30X-3, 115–117	263.76	273.70	G			A					P		R	F		A	P				P		P				R	P	P		P				R	F	A		R		R		A				P		R		
	30X-5, 115–117	266.76	276.70	G		P	F	P			P	P		R	A		A	R										R	F			R				P	F	A		P		P		F				P	P	F		
	31X-1, 114–116	270.35	280.47	G		P	F				P	F		R	F		A						P	R				R	R	P		R				P	R	F				P		R				P		F		
	31X-3, 114–116	273.35	283.47	P			R	P				R		P	F		A							P	P	P		R	P	P		P		P		P	P	A				P		P				R	P	A	2	
	31X-5, 115–117	276.36	286.48	G		P	F	P				R		R	F		A	P					R	R				P	F			R				R	F	F				P		F				P	P	F		
	32X-1, 114–116	280.05	290.39	P			P						P		P		P							P															P												2	
	32X-3, 115–117	283.06	293.40	G			R					P		P	P		R											P	P			P				R	R	P						P				F	P	A	2	
	32X-5, 115–117	286.06	296.40	P			F					P	P	R	F		A						P	P				P	P			P				R	P	R										P	P	F	2	

Table T1 (continued).

Foraminifer zone	Core, section, interval (cm)	Average sample depth (mbsf)	Average sample depth (mcd)	Preservation	*Beella praedigitata*	*Candeina nitida*	*Dentoglobigerina altispira*	*Globigerina bulloides*	*Globigerina falconensis*	*Globigerinella aequilateralis*	*Globigerinella obesa*	*Globigerinita glutinata*	*Globigerinoides conglobatus*	*Globigerinoides extremus*	*Globigerinoides obliquus*	*Globigerinoides ruber*	*Globigerinoides sacculifer*	*Globigerinoides trilobus*	*Globoquadrina baroemoenensis*	*Globoquadrina dehiscens*	*Globoquadrina venezuelana*	*Globorotalia cibaoensis*	*Globorotalia conoidea*	*Globorotalia juanai*	*Globorotalia lenguaensis*	*Globorotalia limbata*	*Globorotalia margaritae*	*Globorotalia menardii*	*Globorotalia merotumida*	*Globorotalia plesiotumida*	*Globorotalia praemenardii*	*Globorotalia scitula*	*Globorotalia tumida*	*Globoturborotalita apertura*	*Globoturborotalita decoraperta*	*Globoturborotalita nepenthes*	*Globoturborotalita woodi*	*Neogloboquadrina acostaensis*	*Neogloboquadrina continuosa*	*Neogloboquadrina humerosa*	*Neogloboquadrina pachyderma*	*Orbulina bilobata*	*Orbulina suturalis*	*Orbulina universa*	*Paragloborotalia mayeri*	*Pulleniatina primalis*	*Sphaeroidinella dehiscens*	*Sphaeroidinellopsis kochi*	*Sphaeroidinellopsis paenedehiscens*	*Sphaeroidinellopsis seminulina*	Comments
	33X-1, 116–118	289.67	300.33	P			F					R			F		P	P					P	P			R	R							P	F	F				P		F						F	2
	33X-3, 115–118	292.67	303.33	P			R					R		P	P		A										R	P	P						P	P	F					P	R						A	2
	33X-5, 118–120	295.69	306.35	G		P	R	P			P	P		P	F		A	P			P	P		P			R	R							R	R	R		R				R					P	A	
	34X-1, 116–118	299.27	309.93	G			F					R		P	F		A	P									P	F	P		R				R	F	A		P				F			F		F	2
	34X-3, 120–122	302.31	312.97	G			A			P		R		R	F		A	P						P			R	R	P		P				R	F	A		P				R			F	P	A	2
	34X-5, 115–117	305.26	315.92	P			R					P			R		A										R	R							R	R	P						F			A	P	A	1
	35X-1, 115–117	308.86	318.90	G			R					P			A		A							P			P	R	P		P				P		R		P			P	R			R	P	A	2
	35X-3, 112–114	311.83	321.87	G			R	P				R		R	R		A							P			R	P	P		P				P	P	A						F			R	P	A	1
	35X-5, 114–116	314.85	324.89	G			F					P	P	P	A		A												P		P		P	P	P	R							R					A	2
	36X-1, 115–117	318.46	329.12	G			A					R		R	F		D	R									R	R	P		P				R	R	A		A		P		R			P		P	
	36X-3, 118–120	321.49	332.15	G			F	P				R		R	A		A										R	P	R		P				R	R	A				P		F			A	P	A	
	36X-5, 115–117	324.46	335.12	G			A					R		R	R		A										R	F	P		P				R	F	F						F				F	A	
	37X-1, 115–117	328.06	338.98	VG			F			P		P	P	F	A	P	A										R	P	P		P				P	R	R		P		P		R			R		F	
	37X-3, 117–122	331.10	342.02	P			P								P		P																		P		P												1
	37X-5, 117–120	334.10	345.02	P			F					F		P	R		D										F	F			P				P	F	A						P						1
	38X-1, 115–117	337.56	349.14	P			F	P				P		P	R		D										P	R								R	F				P	P	F			P		F	2
	38X-3, 115–117	340.56	352.14	G		P	F					F		R	F		A	P									P	R	P		P				R	F	A					P	F			R	P	A	2
	38X-5, 115–117	343.56	355.14	G			A	P			P	R		R	R		A										P	P	P						F	R	A				P		R					A	
	39X-1, 115–117	347.26	358.84	P		P	R		P		P		R	R	F		A										R	P	P						R	P	F		P		P		R			R		F	2
	39X-3, 115–117	350.26	361.84	G			R					R		R	F		A										P	P	P		P				R	R	A						R			R		A	3
N17a	39X-5, 115–117	353.26	364.84	G			F	P				F		F	A		A	P			P	P				P	R	P	P		P				R	R	F				P		R			P		R	
	40X-1, 115–117	356.86	368.18	G			R				P	R	P	P	F		F	R			P						R	R	P						R	R	A				R	P	R			F	P	F	2
	40X-3, 115–117	359.86	371.18	G			F	P				F			R		A										P	R			P				R	F	A						R			R		A	2
	40X-CC, 43–49	363.26	374.58	G			A					F			F		A										P	R							F	R	A						R			P		R	2
	41X-1, 115–117	366.06	377.64	G		P	F		P	P	P	R	P	R	F		A				P	P		P			R	R			P				R	P	F				P	P	R			F	P	F	2
	41X-3, 114–116	369.05	380.63	G		P	A			P		F	P	R	F		A	P	P		P		P				R	R	P						P	R	A				P		R			R	P	R	
	41X-5, 114–116	372.05	383.63	P		P	A		P	R	R	F	A	R	A		A	P			P	P		P		R	F	R	R						P	R	F				P		R			F	P	F	
	42X-1, 115–117	375.66	389.70	G			F			P	P	R	P	P	F		A	P			P						R	R	P						R	R	R				P	P	P			F	P	R	2
	42X-3, 115–117	378.66	392.70	G		P	A		P	P	P	R		P	A		A	R	P		P						P	R	R						R	F	R				P		R			F	R	F	2
	42X-5, 115–117	381.66	395.70	P			R			P	P	R			F		D	P			P						R	R	P						R	R	F						F			P		R	
	43X-CC, 17–19	384.38	398.42	G			R				P	P		P	A		A						P	P			R	R	P						R	R	F				P		R			P		A	2
	44X-1, 113–115	395.04	408.10	G			F					F		R	F		A										R	R							R	F	F						F			F		F	2
	44X-3, 117–119	398.08	411.14	G		P	R			P		P			A		A										R	R	R						R	R	F				P		R			P		A	2
	184-1143C-																																																			
	42X-1, 115–117	382.86	395.26	P		P	R	P		R	R	F		P	A		A				P					R	R	F	P				P		R	F	R				P	P	R			F	R	F	
	42X-3, 115–117	385.86	398.26	G			R	P			P	R		P	F		A	P			P						R	F							P	R	F			P			R			R		A	2
	42X-5, 115–117	388.86	401.26	G		P	R	P		P	P	F		P	A		A				P						F	R	P				P		P	R	R				R		R			R	P	R	
	43X-3, 115–117	395.46	407.86	P			R			P		R		P	F		A							P			R	P	P		P		P		R	F	R					P	R			P		A	
	44X-1, 114–116	402.15	414.55	G			F	P				R		P	F		A	P								P	F	F							P	R	F						F			F		F	
	44X-3, 115–117	405.16	417.56	G		P	F			P	P	F		P	A		A											P							F	F	F				P		P			A	P	A	

Table T1 (continued).

Foraminifer zone	Core, section, interval (cm)	Average sample depth (mbsf)	Average sample depth (mcd)	Preservation	*Beella praedigitata*	*Candeina nitida*	*Dentoglobigerina altispira*	*Globigerina bulloides*	*Globigerina falconensis*	*Globigerinella aequilateralis*	*Globigerinella obesa*	*Globigerinita glutinata*	*Globigerinoides conglobatus*	*Globigerinoides extremus*	*Globigerinoides obliquus*	*Globigerinoides ruber*	*Globigerinoides sacculifer*	*Globigerinoides trilobus*	*Globoquadrina baroemoenensis*	*Globoquadrina dehiscens*	*Globoquadrina venezuelana*	*Globorotalia cibaoensis*	*Globorotalia conoidea*	*Globorotalia juanai*	*Globorotalia lenguaensis*	*Globorotalia limbata*	*Globorotalia margaritae*	*Globorotalia menardii*	*Globorotalia merotumida*	*Globorotalia plesiotumida*	*Globorotalia praemenardii*	*Globorotalia scitula*	*Globorotalia tumida*	*Globoturborotalita apertura*	*Globoturborotalita decoraperta*	*Globoturborotalita nepenthes*	*Globoturborotalita woodi*	*Neogloboquadrina acostaensis*	*Neogloboquadrina continuosa*	*Neogloboquadrina humerosa*	*Neogloboquadrina pachyderma*	*Orbulina bilobata*	*Orbulina suturalis*	*Orbulina universa*	*Paragloborotalia mayeri*	*Pulleniatina primalis*	*Sphaeroidinella dehiscens*	*Sphaeroidinellopsis kochi*	*Sphaeroidinellopsis paenedehiscens*	*Sphaeroidinellopsis seminulina*	Comments
N17a	44X-5, 115–117	408.16	420.56	VG		P	F	P		P	P	A		P	A		A							P				R	R	R				P	P		R	F				P		R				F	P	A	
	44X-CC, 46–52	410.24	422.64	G		P	F		P	P		F		P	A		A				P	P						R	R	P		P				P	R	R				P	P	R				P	P	A	
	45X-1, 113–115	411.84	424.24	VG			F	P	P	P	P	F			A		A				P							P	P							F	F	R					P	P				R	P	A	
	45X-3, 116–118	414.87	427.27	P			R				P	F			A	P	A												R							F	R	R						R				F	R	A	
	45X-5, 115–117	417.86	430.26	G			F			P	P	R			F	P	A												F			P				F	F	P						R				R		F	
	46X-1, 118–120	421.49	433.89	G			A	P		P	R	F			A	P	D				P							P	P			P				F	F	R					P	P				R		A	
	46X-3, 115–117	424.46	436.86	G		P	F		P	P		A			A		A				P		R					P	R	P				P		A	F	F			P		P	P	P			P		A	
	47X-1, 115–117	431.06	443.46	G			R		P	P		A			A	P	D				R			P				R	R	P		P		P	P	P	F	R	P					R				F		A	
	47X-3, 115–117	434.06	446.46	G			R					R					A																			R	R	P						R				F		A	
	47X-5, 115–117	437.06	449.46	G			R	P		R	R	A			F	P	D							P					R	P		P				R	P	R					P	R				F		R	
	47X-CC, 36–42	439.73	452.13	G			F	P		P	P	R			F		A				P			P				P	P							P	R	R					P	R				F	R	A	
	48X-1, 115–117	440.66	453.06	P		P	A				P	R			F		D					P		P				P	R	P						P	F	R						R				P		P	
N16	48X-3, 115–117	443.66	456.06	G			R					R			R		A											P	P							F	R	R					R	R				A		A	
	48X-5, 125–130	446.78	459.18	P			F					R			P		A								P			P								R	R	P						R				A		A	
	48X-CC, 33–39	448.15	460.55	P			F	P		P		F			A	P	A											R	R							R	F	F					P	P				A		A	
	49X-1, 115–117	450.36	462.76	P			R				P	R			R		A		P		P							P	P			P				R	R	R						R				A		A	
	49X-3, 115–117	453.36	465.76	G			F	P			P	F					A								P			R	R			P				P	R	P						F				A		A	
N15	49X-5, 115–117	456.36	468.76	P			R				P	R				A	A								P			F								R	R							R				F	P	A	
	49X-CC, 42–47	458.22	470.62	NA																																																3
N14	50X-1, 113–115	460.04	472.44	P			F				P	R					A								P			R			P	P				P	R							P	P				A	
	50X-3, 116–118	463.07	475.47	G			R								F		F								P			P			P					R	R							P				P	P	D	
	50X-5, 117–120	466.09	478.49	P			F				P	R			A		A											P								R	F							P		P		R		F	
	50X-CC, 27–33	467.63	480.03	G			R					R			A		F								R			P			P					P	A							R		F		R		F	
	51X-1, 115–117	469.66	482.06	G			F	P				R			A		A											P				P				P	A							R		F		R		F	
	51X-3, 115–117	472.66	485.06	P			R								A		A																				A					P	R		F		R	R	A	2
	51X-5, 115–117	475.66	488.06	G			A	P				F			F		F			P	P															F	F							R		P		A		A	
	52X-1, 115–117	479.36	491.76	G			F			P	P	F			F					P																P	F									A		A		A	
	52X-3, 114–116	482.35	494.75	P			R	P				R			R		P																			R	R					P		R		A		R	P	A	2
	52X-5, 104–106	485.25	497.65	P			R					P			F		R			P																	F							P		F					1
	53X-1, 115–117	489.06	501.46	P			R					F					R			A								P								P	F						P	P		A		A		A	2
	53X-3, 115–116	492.06	504.46	P			P					P					P																			R								P		P		R		D	2
	53X-5, 115–116	495.06	507.46	P			P					P					P																			P	P							P		P				P	2
	54X-1, 148–150	499.09	511.49	G			A										A																			P	A									A			P	A	
	54X-CC, 43–48	500.49	512.89	G			F					P				P	A			P																P	P							R		A		R		A	

Notes: Preservation: VG = <20% fragments, G = 20%–50% fragments, P = >50% fragments; NA = not applicable, ash layer. Occurrence: P = <1% of the assemblage, R = 1%–5%, F = 5%–10%, A = 10%–30%, D = >30%. Comments: 1 = sample having very few foraminifers after standard washing. 2 = sample rich in aggregates of clay after standard washing; contains few planktonic foraminifers. 3 = ash layer; very few planktonic foraminifers.